

2008 University of Maine Extension Plan of Work

I. Plan Overview

1. Brief Summary about Plan Of Work

For more than 90 years, the University of Maine has been charged with reaching out to Maine citizens and providing accessible education, leadership, and service to the state. As a land-grant and sea-grant institution, our participation in community life and improvement is vital. The University of Maine Cooperative Extension supports UMaine's public education and service role by conducting Extension programs in every county in Maine, and beyond.

As we engage in teaching and learning, we listen to our audiences across the state and revise our educational programs accordingly. Our role as university educators working in Maine communities is to remain relevant and flexible by teaching practical life skills and providing contemporary, research-based information. The role of Maine citizens, as our partners, is to be involved, to supply feedback about what works and what we can improve, and to apply what they learn in meaningful ways to their lives and communities.

In this second year of our Plan of Work, we are refining our intentions based on experience in program implementation during 2007. We expect further refining in subsequent years. The results represent ongoing renewal and an increased understanding of the specific need for educational programming and discovery (including applied research) in Maine. Consequently, we will continue our focus on long-term outcomes in five areas. We will

- enhance the economic and environmental sustainability of Maine agriculture and aquaculture;
- increase the economic and social viability and sustainability of Maine communities;
- enhance the safety, sustainability, and dependability of Maine's food supply;
- improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness; and
- protect and enhance Maine's natural resources and environment through sustainable stewardship.

Our intentions to achieve these outcomes have been formed with a statewide, and where appropriate a multistate, perspective by programming teams within UMaine Extension. Each team has focused their collaborative and individual programming goals on one or more of the 18 Maine issue areas that were identified through a recent needs assessment process. These intentions are expressed through 2012, and will be renewed annually with an ongoing five-year perspective.

We at UMaine Extension commit to serving Maine with a deep appreciation of our roots and a profound belief that we can create an even better future together. In the process we will use our limited resources wisely and continue to partner with the people, agencies, and other educational and discovery entities of Maine.

Estimated Number of Professional FTEs/SYs total in the State.

Year	Extension		Research	
	1862	1890	1862	1890
2008	96.5	0.0	6.4	0.0
2009	93.3	0.0	5.4	0.0
2010	88.5	0.0	4.9	0.0
2011	87.5	0.0	4.8	0.0
2012	85.6	0.0	5.9	0.0

II. Merit Review Process

1. The Merit Review Process that will be Employed during the 5-Year POW Cycle

- Internal University Panel
- External University Panel
- External Non-University Panel
- Expert Peer Review
- Other (Individual experts pertinent to Maine issue areas)

2. Brief Explanation

A cross-section of stakeholders with diverse roles will contribute to the ongoing review of Extension programming. Reviews will be conducted relating to specific Maine issues using consistent criteria that require programs to be needs-based, effective, and collaborative, and have potential to meet the special needs of diverse and under-served audiences. Reviewers are chosen by program teams and administrators based on their expertise relative to the issue. Frequency of reviews and lists of reviewers will evolve along with the Plan of Work. Following is the list of proposed reviewers for each issue area:

Aging Lifestyles

Bureau of Elder Affairs (Sandy Butler)

Maine Office of Elder Services (Mary Walsh)

UMaine Center on Aging (Dr. Leonard Kaye)

Agriculture - Crop Production

Maine Board of Agriculture (Chair)

Maine Organic Farmers and Growers Association

The Agricultural Council of Maine (Laughlin Titus)

Maine Department of Agriculture, Food and Rural Resources (John Harker).

U.S. Agricultural Research Service (John Halloran)

UMaine Department of Resource Economics and Policy (Dr. Tim Dalton)

UMaine Department Natural Sciences, Forestry & Agriculture (Dr. Steve Reiling)

Agriculture - Sustainable Business Management

Vermont Extension (Dr. Bob Parsons, Extension Farm Management Specialist)

Maine Department of Agriculture, Food and Rural Resources (John Harker)

Coastal and Marine

UMaine School of Marine Sciences (Dr. James Mc Cleaves)

Maine Department of Marine Resources (Linda Mercer)

Maine Sea Grant Policy Advisory Committee

Maine Aquaculture Association (Sebastian Belle)

Maine Department of Marine Resources (Samantha Horn Olsen)

Community Development: Capacity/Building Skills

Maine Community Foundation (Ann Tart)

Maine Rural Partners (Mary Ann Hayes)

Entrepreneurship - Small and Home Based Business

Small Business Development Center at the University of Southern Maine (John Massua)

Environmental Education-Sustainable Living

UMaine College of Education and Human Development (Dr. Mary Bird)

Family Relations and Transitions

UMaine Employee Assistance Program (Dr. Polly Muntevelis)

UMaine College of Education and Human Development (Dr. Gary Schilmoeller)

Food Safety

University of New Hampshire Extension (Dr. Catherine Violette)

Maine Department of Agriculture, Food, and Rural Resources (Stan Millet Interim Director of the Division of Regulations, Dr. Donald Hoenig - State Veterinarian)

UMaine Department of Food Science & Human Nutrition (Dr. Vivian Woo)

Forestry and Wildlife

Natural Resources Conservation Service (State Forester)

USDA Forest Service Northeastern Research Station Forestry Sciences Laboratory (Roger Monthey)

Health Literacy, Disease and Our Health Care System

Maine Center for Disease Control and Prevention (Christine Lyman)

Healthy Lifestyles

UMaine Department of Food Science and Human Nutrition (Dr. Adrienne White)
Maine Nutrition Network (Chris Sady)
Home Horticulture
University of Southern Maine Department of Horticulture (Dr. Rick Churchill)
Maine Department of Agriculture, Food and Rural Resources (State Horticulturist)
Maine Livestock Industry
Bickford of Maine Dairy Industry Association (Julie Marie Bickford)
Maine Department of Agriculture, Food and Rural Resources (Shelley Doak)
Pest Management
Maine Department of Agriculture, Food and Rural Resources - Board of Pesticides Control (Gary Fish, Kathy Murray)
UMaine Department of Biological Sciences (Dr. Eleanor Grodin)
Sustainable Communities
UMaine Department of Resource Economics and Policy (Dr. Stewart Smith)
Watershed Management
Maine Department of Environmental Protection (Roy Bouchard)
Senator George J. Mitchell Center for Environmental and Watershed Research (John Peckenham)
Youth Development
National 4-H Council (Susan Halbert)
New Hampshire Cooperative Extension (Dr. Wendy Brock)
Minnesota Cooperative Extension (Dr. Dorothy McCargo Freeman)

III. Evaluation of Multis & Joint Activities

1. How will the planned programs address the critical issues of strategic importance, including those identified by the stakeholders?

Our plans of work are outcome-focused, and structured to address one or more of 18 Maine issue areas. Programs will be delivered to achieve the intended outcomes and will be measured through planned evaluations of short-, medium-, and long-term changes in target audiences.

2. How will the planned programs address the needs of under-served and under-represented populations of the State(s)?

Each year we carry out mandatory civil rights training for all of our staff that includes a review of our civil rights policy, a review of the five federal laws that form the basis for our policy (Civil Rights Act of 1964; Title VI, Title IX of the Educational Amendments of 1972; Rehabilitation Act of 1973; Section 504, Americans with Disabilities Act (ADA) of 1992; and the Age Discrimination Act of 1975), and a review of our process to ensure that all reasonable effort is made to involve minorities and clientele with disabilities in our programs and to properly record that effort. This work is supported by a civil rights coordinator in each county and campus office and an organization-wide civil rights committee.

A number of planned programs and organizational initiatives will serve the needs of underrepresented and underserved audiences in Maine:

UMaine Extension's Women's Agricultural Network (WAgN) will continue to serve the needs of female farmers. WAgN enables women and other underserved people to successfully own, operate, and support agriculture-related enterprises, and provides outreach and advocacy on women's issues in agriculture, support and networking, education and training, economic and community development, and scholarship and training accessibility.

UMaine Extension coordinates the Wabanaki Relations Group. This group is reaching out to Wabanaki people in Maine to create stronger relationships between our staff and individuals in Maine's Native communities (as well as with Wabanaki-serving organizations), and to identify areas of programming that will strengthen Native communities while expanding our capacity to serve diverse audiences.

The Eat Well Nutrition Education Program (Eat Well) is a major outreach effort of UMaine Extension. Both components of Eat Well—the Expanded Food and Nutrition Education Program (EFNEP) and the Maine Family Nutrition Program (MFNP)—are staffed with nutrition aides who bring nutrition education to low-income individuals and families living in urban and rural areas of Maine. EFNEP's target audience is made up of low-income families with young children. EFNEP nutrition aides are making special efforts to reach targeted populations, including the Somali population in Auburn/Lewiston area, Native American populations in Penobscot and Aroostook Counties, South Pacific Islanders in Cumberland County, and Spanish-speaking migrant workers in Washington County.

Our Senior Companion Program will continue to educate volunteers, clients, families, and caregivers in independent living in later years. Seniors present and future will be best equipped to live in their own home for as long as possible, in a safe home environment. Limited-resource clients are included in the Senior Companion Program and are predominantly volunteers (as part of criteria to become a volunteer).

The Sustainability Program will teach participants daily practices that can reduce their impacts on the environment. This program is designed for a lower-income audience not typically reached by UMaine Extension. To date, the outcome projects are all designed to work with lower-income seniors.

Efforts will be made to begin 4-H programming at the Passamaquoddy Tribe's Indian Township Reservation in Washington County. Continued efforts will be made to work with Sipayik Boys and Girls Club at Pleasant Point Reservation to continue the integration of 4-H programming. Our 4-H program will also be serving children of parents deployed in the military as part of a new grant initiative.

Extension has joined with the UMaine Division of Lifelong Learning to offer the Diversity Leadership Institute, a two-year program to educate UMaine staff about race and privilege issues. Diversity awareness in our staff amplifies organizational creativity, improves our ability to cope with change, and expands our capacity to serve an increasingly diverse society.

3. How will the planned programs describe the expected outcomes and impacts?

By working independently and within teams, UMaine Extension program delivery staff have expressed their intentions to conduct Extension and research programs that will address current and emerging issues. These planned programs describe our intended organizational investment (inputs), planned educational methods and target audiences (outputs), and the learning and action changes that program participants will achieve that lead to positive changes in the condition of their lives (outcomes). Target outcomes identified by teams of UMaine Extension staff will achieve five long-term outcomes. Successful attainment of outcomes will be identified by a variety of evaluation techniques using established outcome measures for determining learning gained and actions taken by participants. Planned program targets are expressed for five years and will be revised annually with the addition of a fifth year.

4. How will the planned programs result in improved program effectiveness and/or efficiency?

Planned programs within this plan of work were established by teams using an issues-based process that examined current situations and assumptions, targeted audiences and outcomes, and established general evaluation strategies. Further, research and educational planning was conducted using a structured format within a Web-based planning program that reflects the elements of the logic modeling process. Consequently, effectiveness and efficiency have been improved through the application of a consistent and comprehensive planning process for all of our outreach staff. One example is the anticipation of improved effectiveness by our 4-H youth development programs through crafting of consistent programming logic models guided by three USDA-CSREES and National 4-H Council mission mandates.

Engaging in a comprehensive planning approach has also encouraged participation in structures that increase programming efficiencies through collaborations. Examples include the Maine Agricultural Center, a collaboration that brings together the agriculturally related programs of the UMaine College of Natural Sciences, Forestry, and Agriculture, the Maine Agricultural and Forest Experiment Station, and UMaine Extension, as well as multistate programming connections such as the Facilitation Skills Curriculum, the Maine Compost Team, and the New England Garden Conference.

IV. Stakeholder Input

1. Actions taken to seek stakeholder input that encourages their participation

- Targeted invitation to traditional stakeholder individuals
- Targeted invitation to traditional stakeholder groups
- Targeted invitation to selected individuals from general public
- Other (Research using relevant current and first-source data)
- Use of media to announce public meetings and listening sessions
- Survey of traditional stakeholder individuals
- Survey of traditional stakeholder groups
- Targeted invitation to non-traditional stakeholder individuals

Brief explanation.

In preparation for this planning cycle we conducted a statewide needs assessment that included two components which encouraged direct stakeholder participation. The first was a targeted solicitation of stakeholders, UMaine teaching and research

faculty, and Extension staff to define a list of priority issues relevant to citizens and within the general categories of Extension programming in Maine; agriculture, stages of life, health and wellness, natural resources and the environment, and sustainable communities and lifestyles. The second component involved stakeholders and the general public in a series of public planning discussions that were designed and implemented under contract with the University of Maine Center for Research and Evaluation.

2(A). A brief statement of the process that will be used by the recipient institution to identify individuals and groups stakeholders and to collect input from them

1. Method to identify individuals and groups

- Use Advisory Committees
- Other (Identify and analyze issues)
- Use Surveys
- Needs Assessments

Brief explanation.

Stakeholders are primarily identified through a deep understanding of current and emerging issues in Maine, and the issue's relevance to the citizens of Maine. Issues have been identified through internal and external surveys that were a component of a recent statewide needs assessment, and evaluated through a scholarly analysis. This process will be updated once each five-year period.

Stakeholders are also identified through ongoing interactions with advisory committees and traditional stakeholder groups, who serve as the eyes and ears for UMaine Extension within communities and specific areas of interest; and through the budget appropriations process with funders such as county commissioners and the Maine state legislature.

Internal policies also require that we actively recruit and retain people who are traditionally underserved and underrepresented in our programs and employee groups.

2(B). A brief statement of the process that will be used by the recipient institution to identify individuals and groups who are stakeholders and to collect input from them

1. Methods for collecting Stakeholder Input

- Meeting with traditional Stakeholder individuals
- Other (Research using relevant current and first source data)
- Meeting specifically with non-traditional groups
- Meeting with traditional Stakeholder groups
- Meeting with the general public (open meeting advertised to all)

Brief explanation

Our planned programs are a result of a comprehensive planning process that included our entire programming staff, informed by the results of a statewide needs assessment.

Within the priority issue areas that were defined with stakeholder input, research was conducted by Extension experts working individually or in teams, and using relevant current and first source data to produce a peer-reviewed white paper for each issue area that addressed the following elements:

The scope of the issue area.

The current situation.

The societal impacts and consequences in Maine if the issue were being addressed.

Changes needed to improve the current situation.

Type of programmatic action indicated to produce the desired results.

An examination of who else is addressing the issue in Maine.

The white papers, with abstracts, were posted to the UMaine Extension Web site, reproduced in hard copy by request, and were the informational foundation for public planning discussions that were designed and implemented under a contract with the University of Maine Center for Research and Evaluation. The discussions, called "Shaping Our Future: A Planning Discussion for Cooperative Extension," were held in each county office in Maine, and in selected issue-based stakeholder meetings. The county-based sessions offered the public an opportunity to engage in discussions about educational issues and local needs for their communities, and to provide input to programming priorities. Participants included the general public and targeted stakeholders. Prioritized results were posted to our public Web site and used by Extension staff to inform their future programming intentions.

UMaine Extension staff continuously engage in formal and informal interaction with traditional and non-traditional stakeholders through programming and networking opportunities. This interaction builds an understanding of the evolving needs of our constituents, allowing staff to adjust program delivery appropriately.

Each year staff are required to review their programming intentions for upcoming years and to add intentions for a fifth year. As part of the process, they will review information from ongoing merit review processes and the statewide needs assessment, the most important elements of which will be updated once each five-year period.

3. A statement of how the input will be considered

- To Identify Emerging Issues
- Redirect Research Programs
- Redirect Extension Programs
- To Set Priorities

Brief explanation.

Needs assessment data, which includes stakeholder input, will be used to inform UMaine Extension teams and individuals about emerging issues that will help them prioritize and focus research and Extensions programs appropriately and effectively.

V. Planned Program Table of Content

S. NO.	PROGRAM NAME
1	Administrative Plan of Work; Planning and Supervision
2	Aging Lifestyles
3	Agriculture - Crop Production
4	Agriculture - Sustainable Business Management
5	Coastal and Marine
6	Community Development: Capacity-building Skills
7	Entrepreneurship - Small and Home Based Business
8	Environmental Education - Sustainable Living
9	Family Relations and Transitions
10	Food Safety
11	Forestry and Wildlife
12	Health Literacy, Disease, and Our Health Care System
13	Healthy Lifestyles
14	Home Horticulture
15	Maine Livestock Industry
16	Pest Management
17	Sustainable Communities
18	Watershed Management
19	Youth Development

V(A). Planned Program (Summary)

1. Name of the Planned Program

Administrative Plan of Work; Planning and Supervision

2. Brief summary about Planned Program

Inputs related to administrative contributions to the University of Maine Cooperative Extension Plan of Work.

3. Program existence : Mature (More than five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : No

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

- 902 100% Administration of Projects and Programs

V(C). Planned Program (Situation and Scope)

1. Situation and priorities

{NO DATA ENTERED}

2. Scope of the Program

- Multistate Extension
- Integrated Research and Extension
- In-State Extension
- Multistate Integrated Research and Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

{NO DATA ENTERED}

2. Ultimate goal(s) of this Program

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.

Increase the economic and social viability and sustainability of Maine communities.

Enhance the safety, sustainability, and dependability of Maine's food supply.

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

Protect and enhance Maine's natural resources and environment through sustainable stewardship.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2008	11.3	0.0	0.4	0.0
2009	10.7	0.0	0.4	0.0
2010	10.5	0.0	0.4	0.0
2011	10.2	0.0	0.3	0.0
2012	10.5	0.0	0.3	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

{NO DATA ENTERED}

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Other 1 (Supervision) ● Other 2 (Staff Training) 	<ul style="list-style-type: none"> ● Other 1 (External Staff Development)

3. Description of targeted audience

Extension - all staff (Adult)

Extension Faculty (Adult)

Extension Professionals (Adult)

V(G). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2008	150	0	0	0
2009	150	0	0	0
2010	150	0	0	0
2011	150	0	0	0
2012	150	0	0	0

2. (Standard Research Target) Number of Patents

Expected Patents

2008 :0 2009 :0 2010 : 0 2011 :0 2012 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target
2008	0	0
2009	0	0
2010	0	0
2011	0	0
2012	0	0

V(H). State Defined Outputs

1. Output Target

- {NO DATA ENTERED}

{NO DATA ENTERED}

{NO DATA ENTERED}

{NO DATA ENTERED}

{NO DATA ENTERED}

{NO DATA ENTERED}

V(I). State Defined Outcome

1. Outcome Target

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 902 - Administration of Projects and Programs

1. Outcome Target

Increase the economic and social viability and sustainability of Maine communities.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 902 - Administration of Projects and Programs

1. Outcome Target

Enhance the safety, sustainability, and dependability of Maine's food supply.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 902 - Administration of Projects and Programs

1. Outcome Target

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 902 - Administration of Projects and Programs

1. Outcome Target

Protect and enhance Maine's natural resources and environment through sustainable stewardship.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 902 - Administration of Projects and Programs

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Public Policy changes
- Natural Disasters (drought,weather extremes,etc.)
- Competing Public priorities
- Government Regulations
- Appropriations changes
- Economy
- Populations changes (immigration,new cultural groupings,etc.)

Description

{NO DATA ENTERED}

V(K). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- Other (Merit Review Process)
- During (during program)

Description

{NO DATA ENTERED}

2. Data Collection Methods

- Structured
- Other (Performance Reviews; Facilitate)
- Observation

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)**1. Name of the Planned Program**

Aging Lifestyles

2. Brief summary about Planned Program

Maine's population has an increasing proportion of those aged 65 or older, and more than 50 percent of elders live in rural areas, limiting their access to social services and other assistance. Many elders rely on family members for assistance with daily living, many of whom must take time off work to do so. Workshops for employers and employees will address workplace issues related to care of elders. Websites will be developed to provide access to elder care information and about available resources and services. By collaborating with others, UMaine Extension will work to create the safe and supportive communities and physical environments required to promote healthy aging in Maine.

3. Program existence : Mature (More than five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)**1. Program Knowledge Areas and Percentage**

- 607 10% Consumer Economics
- 608 10% Community Resource Planning and Development
- 723 10% Hazards to Human Health and Safety
- 724 10% Healthy Lifestyle
- 801 10% Individual and Family Resource Management
- 802 10% Human Development and Family Well-Being
- 803 10% Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 10% Community Institutions, Health, and Social Services
- 901 10% Program and Project Design, and Statistics
- 903 10% Communication, Education, and Information Delivery

V(C). Planned Program (Situation and Scope)**1. Situation and priorities**

Elder Caregiving: A survey of Maine citizens found that (1) over 60 percent of employers were either somewhat or very supportive of employees needing time off to help an older family member, but only 11 percent of caregivers reported that they routinely took time off; (2) most people would turn to family, friends, or a doctor for help with an older family member before turning to the Department of Human Services, Area Agency on Aging, or home health agency; (3) forty-seven percent of respondents routinely helped an older family member, most frequently assisting with shopping, errands, bills, and doctors appointments, as well as house or yard work; (4) thirty-four percent of the respondents had used home care services. [i]

Retirement and Planning: Results of a 2001 survey indicated that 30 percent of the employers of workers surveyed did not contribute to an employee retirement plan.[ii]It is reported that average American households have accumulated less than \$1,000 in net financial assets and less than \$35,000 in net worth.[iii]In addition, the annual Retirement Confidence Survey for 2003 found that three out of ten workers (29 percent) have not saved for retirement.[iv]

Independent Living: When surveyed as to the most important thing the state could do to help older people live more independently, Maine people identified the following: improved assisted living or home care options; lower taxes; better public transportation; lower drug costs; financial assistance; affordable medical care; and better and more affordable housing options.[v]

Health and Wellness: The U.S. Administration on Aging is focusing on lifestyle choices that will reduce physical limitations associated with illness, disease and unhealthy lifestyles. Prevention strategies such as access to health screenings, physical activity and nutrition programs, mental health programs, and routine immunizations will be emphasized.[vi] Of those people receiving long-term care assessments, the top ten health problems reported were hypertension, dementia, arthritis, other cardiovascular disease, depression, allergies, congestive heart failure, diabetes mellitus, cerebrovascular accident, and emphysema.[vii]

[i] Bureau of Elder and Adult Services, "Maine Development Foundation 2001 Survey of Maine Citizens,"

http://www.state.me.us/dhs/beas/survey/00_01survey/2001_survey.htm (accessed August 2002, July 2004, May 2006).

[ii] Bureau of Elder and Adult Services, “2001 Survey of Maine Citizens.”

[iii] CSREES, USDA, National Extension Money Management, \$ (Financial) Security Later in Life (July, 2000), 3.

[iv] Employee Benefit, Research Institute, Retirement Confidence Survey, “The 2003 Retirement Confidence Survey Summary of Findings,” <http://www.ebri.org> (accessed May 2006).

[v] Bureau of Elder and Adult Services, “2001 Survey of Maine Citizens.”

[vi] Administration on Aging, Elders and Families, “Promoting Healthy Lifestyles,” http://www.aoa.gov/eldfam/healthy_lifestyles/hl_hd.asp (accessed May 2006).

<p class="MsoEndnoteText" style="BORDER-RIGHT: medium none; PADDING-RIGHT: 0in; BORDER-TOP: medium none; PADDING-LEFT: 0in; PADDING-BOTTOM: 0in; MARGIN: 0in 0in 0pt; BORDER-LEFT:

2. Scope of the Program

- Multistate Integrated Research and Extension
- Integrated Research and Extension
- In-State Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

While aging is something we all do, every day, we may define “old” in different ways. Definitions include: chronological age, stage of life, or the function someone performs in everyday life. Aging issues include the lifestyles and needs of the following groups:

- Pre-retirees or “mature adults”: approximately 45 or 50 to 64 years of age
- Younger retirees or the “young old”: generally in the 65- to 74-year-old range
- Older retirees or the “old”: 75 to 84 years of age
- Very old retirees or the “old, old”: 85 years of age or older
- Formal and informal or family caregivers: adults of any age who are providing support or care to another adult, usually someone in the “young old” through “old, old” age range
- Relatives and grandparents raising children: individuals who are caring for a child or children of their own adult children or other adult family member

There are 183,402 persons age 65 or older living in Maine. They make up 14.4 percent of the state’s population: an increase of 11 percent since 1990 and 23 percent since 1980.[i] Ten percent of Maine people age 65 and older had incomes below the federal poverty level. Generally, the income of Maine elders tends to be lower than elders nationally and is often fixed, making access to goods and services more difficult.[ii] Maine ranks second nationwide for percentage of residents age 65 and older living in rural areas—55.8 percent compared to 21.7 percent nationally. This further limits access to needed goods and services.

[i] Bureau of Elder and Adult Services, Department of Human Services, “A Profile of Maine’s Older Population,” <http://www.state.me.us/dhs/beas/profile/> (accessed July 2004).

[ii] Mills, Dora Anne, Healthy Maine 2010 – Opportunities for All, (Maine Department of Human Services, Bureau of Health, 2002), 38.

2. Ultimate goal(s) of this Program

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

Increase the economic and social viability and sustainability of Maine communities.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2008	0.5	0.0	0.2	0.0
2009	0.5	0.0	0.2	0.0
2010	0.5	0.0	0.2	0.0
2011	0.5	0.0	0.2	0.0
2012	0.4	0.0	0.2	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

Aging Initiatives Web Site Pages
 Current and Emerging Technology Workshops
 eXtension Family Caregiving Community of Practice [CoP] Web Site Development
 Preparing for Elder Care Employer/Employee Project

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Other 1 (Collaborative or Cooperative Eff) ● Workshop 	<ul style="list-style-type: none"> ● Web sites

3. Description of targeted audience

Employees (Adult)
 Employers (Adult)
 Extension - all staff (Adult)
 General Public (Adult)
 Social Service Providers (Adult)

V(G). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2008	158	275	0	0
2009	158	275	0	0
2010	158	275	0	0
2011	158	275	0	0
2012	158	275	0	0

2. (Standard Research Target) Number of Patents

Expected Patents

2008 :0 2009 :0 2010 :0 2011 :0 2012 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target
2008	0	0
2009	0	0
2010	0	0
2011	0	0
2012	0	0

V(H). State Defined Outputs

1. Output Target

- Direct - Collaborative or Cooperative Effort

2008 :6 2009 :6 2010 :6 2011 :6 2012 :6

- Direct - Workshop - single session

2008 :1 2009 :1 2010 :1 2011 :1 2012 :1

- Indirect - Website

2008 :5 2009 :5 2010 :5 2011 :5 2012 :5

V(I). State Defined Outcome

1. Outcome Target

Access relevant UMCE web-based resources

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :400 2009 : 400 2010 : 400 2011 :400 2012 : 400

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

- 802 - Human Development and Family Well-Being
- 903 - Communication, Education, and Information Delivery

1. Outcome Target

Demonstrate how to critically evaluate the effectiveness of existing policies or practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :3 2009 : 3 2010 : 3 2011 :3 2012 : 3

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics
- 903 - Communication, Education, and Information Delivery

1. Outcome Target

Describe how to care for and nurture others

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Describe how to manage stress.

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being

1. Outcome Target

Describe legal documents related to personal care, health care and end-of-life-issues

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 607 - Consumer Economics
- 608 - Community Resource Planning and Development

- 801 - Individual and Family Resource Management

1. Outcome Target

Describe local health care and long-term care programs and services

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 802 - Human Development and Family Well-Being
- 805 - Community Institutions, Health, and Social Services
- 903 - Communication, Education, and Information Delivery

1. Outcome Target

Balance roles, responsibilities, and stress

2. Outcome Type : Change in Action Outcome Measure

2008 :5 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Care for and nurture others

2. Outcome Type : Change in Action Outcome Measure

2008 :5 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Evaluate and analyze existing employer policies or practices

2. Outcome Type : Change in Action Outcome Measure

2008 :3 2009 : 3 2010 : 3 2011 :3 2012 : 3

3. Associated Knowledge Area(s)

- 607 - Consumer Economics
- 608 - Community Resource Planning and Development
- 801 - Individual and Family Resource Management
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics

1. Outcome Target

Prepare legal documents related to personal care, health care and end-of-life issues

2. Outcome Type : Change in Action Outcome Measure

2008 :5 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 607 - Consumer Economics
- 801 - Individual and Family Resource Management

1. Outcome Target

Use programs and services that support independent living

2. Outcome Type : Change in Action Outcome Measure

2008 :5 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 802 - Human Development and Family Well-Being
- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Use relevant UMCE web-based resources

2. Outcome Type : Change in Action Outcome Measure

2008 :300 2009 : 300 2010 : 300 2011 :300 2012 : 300

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 901 - Program and Project Design, and Statistics
- 903 - Communication, Education, and Information Delivery

1. Outcome Target

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 607 - Consumer Economics
- 608 - Community Resource Planning and Development
- 723 - Hazards to Human Health and Safety
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics
- 903 - Communication, Education, and Information Delivery

1. Outcome Target

Increase the economic and social viability and sustainability of Maine communities.

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 607 - Consumer Economics
- 608 - Community Resource Planning and Development
- 723 - Hazards to Human Health and Safety
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics
- 903 - Communication, Education, and Information Delivery

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Competing Programatic Challenges
- Natural Disasters (drought,weather extremes,etc.)
- Appropriations changes
- Competing Public priorities
- Economy
- Populations changes (immigration,new cultural groupings,etc.)
- Public Policy changes
- Government Regulations

Description

{NO DATA ENTERED}

V(K). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- Retrospective (post program)
- Before-After (before and after program)
- During (during program)
- Time series (multiple points before and after program)

Description

A short-term evaluation will document activities and project outcomes or products using meeting notes, end or educational program evaluations, researcher/educator observation, and researcher/educator journal.

A mid-term evaluation will document changes in employer/employee engagement, practice, decision-making approach, and social action within the "community of interest."

A long-term evaluation will investigate the impact of changes in social, civic, organizational, economic, and environmental conditions using, but not limited to, retrospective evaluation techniques.

2. Data Collection Methods

- Observation
- On-Site
- Structured
- Other (Email/Web surveys)
- Journals

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)**1. Name of the Planned Program**

Agriculture - Crop Production

2. Brief summary about Planned Program

Agriculture is an important industry in Maine. Continued success of Maine farmers relies on a balance among yield, protecting the environment, and decreasing costs. Through workshops, field days, consultations, newsletters, websites, hotlines, conferences, and field trials, clients are engaged in determining how best to achieve that balance. Agency and extension professionals, commercial producers, green industry workers, and home gardeners participate in programs on nutrient management, small fruit and vegetable production, solar systems, cut flowers, organic grains, sustainable cropping and livestock systems, ornamental horticulture, and many others.

3. Program existence : Mature (More than five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)**1. Program Knowledge Areas and Percentage**

- 101 5% Appraisal of Soil Resources
- 102 20% Soil, Plant, Water, Nutrient Relationships
- 111 10% Conservation and Efficient Use of Water
- 112 10% Watershed Protection and Management
- 131 10% Alternative Uses of Land
- 202 15% Plant Genetic Resources
- 205 10% Plant Management Systems
- 314 10% Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards Affecting Animals
- 405 10% Drainage and Irrigation Systems and Facilities

V(C). Planned Program (Situation and Scope)**1. Situation and priorities**

Our success growing agricultural crops in Maine is fragile. The long history of family farms and community-based farming is facing unprecedented stress from several sources. Intense competition from within and across our national borders has forced prices to levels that threaten the profitability of growing crops locally. These pressures have resulted in a decrease in farm numbers and acreage in every county over the past decade. At the same time, the need to produce crops in a manner that does not threaten the environment has never been greater, despite the added costs and risks this can generate. Thus farmers are trying to develop methods to optimize crop yield and quality using techniques that sustain our environment, while keeping costs at levels that will maintain or improve farm profitability. For example, many Maine crops could benefit from irrigation, but we must be able to provide water to our crops with techniques that are low cost, and also protect our water supply. Storage technology could significantly lengthen and expand marketing opportunities for our crops, but it must also be affordable and environmentally sound. Managing the weeds, insects and diseases that threaten our crops poses a great challenge, as new pests emerge and old methods of controlling pests must be put aside due to resistance, health risks or environmental threats. Growing crops organically can improve marketability and profits, but pest control and fertility problems need to be addressed before organic production can be successful on a large scale in Maine. There are also opportunities to use new crops to expand our markets, improve soil fertility, and reduce pest problems, but most are untested in our climate and could pose an economic risk if they prove unreliable. New technologies, new crops and new markets offer real opportunities for Maine farmers to maintain and improve the profitability of their operations. However, unless these opportunities are fully tested, explored and implemented, it is likely that there will be a significant decline in commercial crop production in Maine in the coming years, with consequences that will affect all Maine residents.

2. Scope of the Program

- Multistate Integrated Research and Extension
- Multistate Extension
- Integrated Research and Extension
- In-State Research
- In-State Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

According to the 2002 agricultural census, the diversity of crops we grown on 7,196 Maine farms have a market value of more than \$450 million. With their associated industries, such as processors, suppliers and retailers, farms provide about \$1.2 billion in economic activity for the state, and employ over 65,000 workers. Growing crops on Maine farms preserves over 1.4 million acres in open space and provides Maine citizens with locally grown fresh and processed food. Our farms produce an impressive array of crops. Some, such as potatoes and blueberries, are grown on larger farms, supported by large industries, and create substantial economic activity (\$300 million and \$30 million, respectively). Other crops, such as ornamentals (trees, shrubs and flowers) are grown on far fewer acres, but have very high value, generating over \$300 million annually. Fruits and vegetables tend to be grown on small, diversified farms, many only 20 acres or less, and are often situated near high population areas. Yet this part of the industry is vital and growing, employing a large labor force and providing fresh, nutritious, local produce to Maine people through farm stands, farmers markets and stores, with more than \$30 million dollars in sales annually. Forage crops, such as hay, silage and grain, are vital to our dairy and meat industries and, like other crops, play an important role in maintaining Maine’s open spaces and rural heritage. This, in turn, maintains the attractive character of the Maine landscape that keeps our tourism industry vibrant, and slows the spread of urban sprawl.

2. Ultimate goal(s) of this Program

- Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
- Enhance the safety, sustainability, and dependability of Maine's food supply.
- Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
- Protect and enhance Maine's natural resources and environment through sustainable stewardship.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2008	11.1	0.0	0.8	0.0
2009	11.1	0.0	0.8	0.0
2010	10.8	0.0	0.8	0.0
2011	10.8	0.0	0.8	0.0
2012	10.6	0.0	0.8	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

- New England Garden Conference
- Display at NewEnglandGrows and New England Garden Conference
- Commercial Agriculture Conference
- Commercial Agriculture Workshop Series
- Consultations on Crop Production
- Cover Crop Practices for Crops in Potato Rotation
- Cut Flower Research
- Cut Flower Research

- Demonstration
- Field Day Presentations
- Greenhouse Pest Manual
- Lilly Leaf Beetle Project, Powdery Mildew Project, Scaevola Project, Field Trials of Turfgrass, New Annuals, Roses
- Maine Agriculture Trades Show
- Maine Potato Conference
- Maine Senior Farmshare
- Maine Vegetable and Fruit School
- Meetings on Crop Production Practices
- New England Regional In-Service Training for Agricultural Service Providers
- New England Small Fruit Pest Management Guide
- New England Vegetable and Fruit Conference
- New England Vegetable Management Guide
- Organic Forage and Grain Cropping Systems
- Pest Alert Newsletter
- Pest Management Conference
- Pest Management Hotline
- Piscataquis Farming Newsletter
- Potato Cropping Systems - Applied Research
- Potato Program Web site
- Small Fruit and Vegetable Variety and Production Trials
- Solar Collection for Hoop Houses and Green Houses
- Spudlines Newsletter
- Tree Fruit Meetings
- Tree Fruit Newsletter
- Tree Fruit Workshops and demonstratons
- Vegetable and Berry News
- Vegetable Fact Sheets
- Vegetable Variety and Production Trials

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Other 2 (Display or exhibit) ● Demonstrations ● Workshop ● Other 1 (Train-the-Trainer) ● One-on-One Intervention ● Education Class ● Group Discussion 	<ul style="list-style-type: none"> ● Other 2 (Publication) ● Other 1 (Applied Research) ● Newsletters ● Web sites

3. Description of targeted audience

- Agency Staff or Professionals (Adult)
- Agricultural Producers (Adult)
- Agricultural Workers (Adult)
- Commercial Dairy Producers (Adult)
- Commercial Potato Growers (Adult)
- Commercial Vegetable Growers (Adult)
- Community Leaders (Adult)
- Community Members (Adult)
- Extension - all staff (Adult)
- Extension Faculty (Adult)
- Farmers (Adult)
- General Public (Adult)

Green Industry Members (Adult)
 Greenhouse Operators (Adult)
 Home Gardeners (Adult)
 Limited Income Public (Adult)
 Pesticide Applicators (Adult)
 Scientists (Adult)

V(G). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2008	13150	13100	0	0
2009	13150	13100	0	0
2010	13150	13100	0	0
2011	13150	13100	0	0
2012	13150	13100	0	0

2. (Standard Research Target) Number of Patents

Expected Patents

2008 :0 2009 :0 2010 :0 2011 :0 2012 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target
2008	0	0
2009	0	0
2010	0	0
2011	0	0
2012	0	0

V(H). State Defined Outputs

1. Output Target

- Direct - Seminar

2008 :2 2009 :2 2010 :2 2011 :2 2012 :2

- Direct - Public Presentation

2008 :10 2009 :10 2010 :7 2011 :7 2012 :7

- Direct - Group Presentation

2008 :114 2009 :114 2010 :114 2011 :114 2012 :114

● Direct - Experiential Learning					
2008 :1	2009 :1	2010 :1	2011 :1	2012 :1	
● Direct - Display or exhibit					
2008 :2	2009 :1	2010 :2	2011 :1	2012 :1	
● Indirect - Publication - referred journal article					
2008 :1	2009 :1	2010 :0	2011 :0	2012 :0	
● Indirect - Website					
2008 :1	2009 :1	2010 :1	2011 :1	2012 :1	
● Direct - Demonstration Project					
2008 :1	2009 :0	2010 :0	2011 :0	2012 :0	
● Direct - Consultation; phone, written, in-person					
2008 :440	2009 :440	2010 :440	2011 :440	2012 :440	
● Indirect - Publication - fact sheet					
2008 :2	2009 :2	2010 :2	2011 :2	2012 :2	
● Indirect - Publication - manual					
2008 :4	2009 :1	2010 :4	2011 :1	2012 :1	
● Indirect - Publication - newsletter					
2008 :45	2009 :45	2010 :45	2011 :45	2012 :45	
● Direct - Conference or symposium					
2008 :103	2009 :103	2010 :103	2011 :103	2012 :103	
● Direct - Collaborative or Cooperative Effort					
2008 :47	2009 :47	2010 :41	2011 :41	2012 :41	
● Direct - Applied Research					
2008 :12	2009 :11	2010 :11	2011 :11	2012 :11	
● Direct - Train-the-Trainer					
2008 :2	2009 :1	2010 :2	2011 :1	2012 :1	
● Direct - Workshop - series					
2008 :100	2009 :300	2010 :100	2011 :300	2012 :300	

- Direct - Workshop - single session

2008 :2 2009 :2 2010 :2 2011 :2 2012 :2

- Indirect - AV resource

2008 :15 2009 :15 2010 :15 2011 :15 2012 :15

- Indirect - Applied Research

2008 :6 2009 :5 2010 :5 2011 :5 2012 :5

V(I). State Defined Outcome

1. Outcome Target

Access relevant UMCE publications

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :120 2009 : 170 2010 : 125 2011 :175 2012 : 175

3. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 131 - Alternative Uses of Land
- 202 - Plant Genetic Resources
- 205 - Plant Management Systems
- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards Affecting Animals
- 405 - Drainage and Irrigation Systems and Facilities

1. Outcome Target

Access relevant UMCE web-based resources

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :1740 2009 : 1740 2010 : 1740 2011 :1740 2012 : 1740

3. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 131 - Alternative Uses of Land
- 202 - Plant Genetic Resources
- 205 - Plant Management Systems
- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards Affecting Animals

- 405 - Drainage and Irrigation Systems and Facilities

1. Outcome Target

Demonstrate how to amend soils

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :30 2009 : 30 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 102 - Soil, Plant, Water, Nutrient Relationships
- 131 - Alternative Uses of Land

1. Outcome Target

Demonstrate how to apply pesticides safely and effectively

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :75 2009 : 75 2010 : 75 2011 :75 2012 : 75

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 205 - Plant Management Systems

1. Outcome Target

Demonstrate how to develop integrated farming systems

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :205 2009 : 215 2010 : 230 2011 :240 2012 : 240

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 131 - Alternative Uses of Land
- 405 - Drainage and Irrigation Systems and Facilities

1. Outcome Target

Demonstrate how to diagnose pest problems

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :1450 2009 : 1450 2010 : 1450 2011 :1450 2012 : 1450

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 205 - Plant Management Systems
- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards Affecting Animals

1. Outcome Target

Demonstrate how to effectively manage grasslands

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :35 2009 : 35 2010 : 35 2011 :35 2012 : 35

3. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 131 - Alternative Uses of Land

1. Outcome Target

Demonstrate how to evaluate the potential of new and non-traditional crops and varieties for profitable production in Maine

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :40 2009 : 40 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 131 - Alternative Uses of Land

1. Outcome Target

Demonstrate how to feed animals with production and economy in mind

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :80 2009 : 80 2010 : 80 2011 :80 2012 : 80

3. Associated Knowledge Area(s)

- 131 - Alternative Uses of Land

1. Outcome Target

Demonstrate how to grow fruits and vegetables

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :150 2009 : 150 2010 : 150 2011 :150 2012 : 150

3. Associated Knowledge Area(s)

- 131 - Alternative Uses of Land

1. Outcome Target

Demonstrate how to operate farm equipment safely

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems

1. Outcome Target

Demonstrate how to test new crops

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :82 2009 : 82 2010 : 82 2011 :82 2012 : 82

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems

1. Outcome Target

Demonstrate how to test new nutrient management strategies

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards Affecting Animals
- 405 - Drainage and Irrigation Systems and Facilities

1. Outcome Target

Demonstrate how to test new production techniques

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :135 2009 : 140 2010 : 140 2011 :140 2012 : 140

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems
- 405 - Drainage and Irrigation Systems and Facilities

1. Outcome Target

Demonstrate how to test new storage techniques

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :30 2009 : 30 2010 : 30 2011 :30 2012 : 30

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 205 - Plant Management Systems
- 405 - Drainage and Irrigation Systems and Facilities

1. Outcome Target

Demonstrate how to test new varieties

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :85 2009 : 85 2010 : 85 2011 :85 2012 : 85

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems

1. Outcome Target

Demonstrate new variety performance and potential

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :40 2009 : 40 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems

1. Outcome Target

Demonstrate sound agricultural practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :50 2009 : 50 2010 : 50 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 131 - Alternative Uses of Land
- 202 - Plant Genetic Resources
- 205 - Plant Management Systems
- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards Affecting Animals
- 405 - Drainage and Irrigation Systems and Facilities

1. Outcome Target

Describe IPM techniques

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :1220 2009 : 1220 2010 : 1225 2011 :1225 2012 : 1225

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems

1. Outcome Target

Describe IPM technologies and benefits

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :60 2009 : 60 2010 : 65 2011 :65 2012 : 65

3. Associated Knowledge Area(s)

- 202 - Plant Genetic Resources

1. Outcome Target

Describe advantages of alternative crop management strategies

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :25 2009 : 25 2010 : 25 2011 :25 2012 : 25

3. Associated Knowledge Area(s)

- 131 - Alternative Uses of Land
- 205 - Plant Management Systems

1. Outcome Target

Describe advantages of new technologies to improve crop yield and quality and to reduce environmental impacts and off-farm inputs

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :1900 **2009 :** 1900 **2010 :** 1900 **2011 :**1900 **2012 :** 1900

3. Associated Knowledge Area(s)

- 405 - Drainage and Irrigation Systems and Facilities

1. Outcome Target

Describe alternative crop management strategies

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :600 **2009 :** 600 **2010 :** 600 **2011 :**600 **2012 :** 610

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems

1. Outcome Target

Describe alternative pest manage techniques

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :125 **2009 :** 130 **2010 :** 90 **2011 :**90 **2012 :** 90

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems

1. Outcome Target

Describe forages and forage quality

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :50 **2009 :** 50 **2010 :** 50 **2011 :**50 **2012 :** 50

3. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 102 - Soil, Plant, Water, Nutrient Relationships
- 131 - Alternative Uses of Land
- 205 - Plant Management Systems

1. Outcome Target

Describe hoop house crop management

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :45 **2009 :** 50 **2010 :** 50 **2011 :**50 **2012 :** 50

3. Associated Knowledge Area(s)

- 131 - Alternative Uses of Land

1. Outcome Target

Describe hoop house crops

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :130 **2009 :** 130 **2010 :** 135 **2011 :**135 **2012 :** 135

3. Associated Knowledge Area(s)

- 131 - Alternative Uses of Land

- 205 - Plant Management Systems

1. Outcome Target

Describe hoop house technology

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :75 2009 : 75 2010 : 75 2011 :75 2012 : 75

3. Associated Knowledge Area(s)

- 131 - Alternative Uses of Land
- 205 - Plant Management Systems

1. Outcome Target

Describe integrated farming systems

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :110 2009 : 110 2010 : 110 2011 :110 2012 : 110

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 205 - Plant Management Systems

1. Outcome Target

Describe new crops and varieties

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :300 2009 : 350 2010 : 300 2011 :350 2012 : 350

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems

1. Outcome Target

Describe nutrient sources, recycling and delivery methods that are compatible with crop, soil and production systems

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :175 2009 : 175 2010 : 165 2011 :165 2012 : 165

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 112 - Watershed Protection and Management
- 205 - Plant Management Systems
- 405 - Drainage and Irrigation Systems and Facilities

1. Outcome Target

Describe practices that improve efficiency, reduce inputs, or increase profitability

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :225 **2009 :** 225 **2010 :** 185 **2011 :**185 **2012 :** 185

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems
- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards Affecting Animals
- 405 - Drainage and Irrigation Systems and Facilities

1. Outcome Target

Describe production practices associate with new crops for the region

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :55 **2009 :** 55 **2010 :** 60 **2011 :**60 **2012 :** 60

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems

1. Outcome Target

Describe sound agricultural practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :2560 **2009 :** 2560 **2010 :** 2560 **2011 :**2560 **2012 :** 2560

3. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 131 - Alternative Uses of Land
- 202 - Plant Genetic Resources
- 205 - Plant Management Systems
- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards Affecting Animals
- 405 - Drainage and Irrigation Systems and Facilities

1. Outcome Target

Describe the advantages of new technologies to improve crop yield and quality and to reduce environmental impacts

2. Outcome Type : Change in Action Outcome Measure

2008 :220 **2009 :** 250 **2010 :** 250 **2011 :**250 **2012 :** 250

3. Associated Knowledge Area(s)

- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards Affecting Animals
- 405 - Drainage and Irrigation Systems and Facilities

1. Outcome Target

Describe the benefits of efficiency in irrigation water use

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :90 2009 : 90 2010 : 90 2011 :90 2012 : 90

3. Associated Knowledge Area(s)

- 405 - Drainage and Irrigation Systems and Facilities

1. Outcome Target

Describe the benefits of grass-fed livestock

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :30 2009 : 30 2010 : 30 2011 :30 2012 : 30

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships

1. Outcome Target

Describe the inherent instability of monocultures

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :100 2009 : 100 2010 : 100 2011 :100 2012 : 100

3. Associated Knowledge Area(s)

- 202 - Plant Genetic Resources
- 205 - Plant Management Systems

1. Outcome Target

Describe the value of organic nutrient sources to sustainable cropping systems

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :50 2009 : 50 2010 : 50 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 405 - Drainage and Irrigation Systems and Facilities

1. Outcome Target

Adopt IPM strategies

2. Outcome Type : Change in Action Outcome Measure

2008 :30 2009 : 30 2010 : 30 2011 :30 2012 : 30

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems

1. Outcome Target

Adopt and maintain integrated pest management strategies

2. Outcome Type : Change in Action Outcome Measure

2008 :60 2009 : 70 2010 : 75 2011 :85 2012 : 85

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems

1. Outcome Target

Adopt appropriate handling and storage technologies

2. Outcome Type : Change in Action Outcome Measure

2008 :25 2009 : 25 2010 : 25 2011 :25 2012 : 25

3. Associated Knowledge Area(s)

- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards Affecting Animals
- 405 - Drainage and Irrigation Systems and Facilities

1. Outcome Target

Adopt appropriate management strategies

2. Outcome Type : Change in Action Outcome Measure

2008 :780 2009 : 580 2010 : 770 2011 :580 2012 : 580

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems

1. Outcome Target

Adopt appropriate pest management practices

2. Outcome Type : Change in Action Outcome Measure

2008 :50 2009 : 50 2010 : 50 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems

1. Outcome Target

Adopt appropriate practices

2. Outcome Type : Change in Action Outcome Measure

2008 :235 2009 : 335 2010 : 425 2011 :535 2012 : 535

3. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 131 - Alternative Uses of Land
- 202 - Plant Genetic Resources
- 205 - Plant Management Systems
- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards Affecting Animals
- 405 - Drainage and Irrigation Systems and Facilities

1. Outcome Target

Adopt appropriate technologies

2. Outcome Type : Change in Action Outcome Measure

2008 :470 **2009 :** 275 **2010 :** 475 **2011 :**275 **2012 :** 275

3. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 131 - Alternative Uses of Land
- 202 - Plant Genetic Resources
- 205 - Plant Management Systems
- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards Affecting Animals
- 405 - Drainage and Irrigation Systems and Facilities

1. Outcome Target

Adopt environmentally sound technologies that improve economic viability

2. Outcome Type : Change in Action Outcome Measure

2008 :45 **2009 :** 45 **2010 :** 45 **2011 :**45 **2012 :** 45

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 131 - Alternative Uses of Land
- 205 - Plant Management Systems

1. Outcome Target

Adopt new crop

2. Outcome Type : Change in Action Outcome Measure

2008 :60 **2009 :** 60 **2010 :** 60 **2011 :**60 **2012 :** 60

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems

1. Outcome Target

Adopt practices that maintain long-term productivity

2. Outcome Type : Change in Action Outcome Measure

2008 :985 **2009 :** 985 **2010 :** 985 **2011 :**985 **2012 :** 985

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 205 - Plant Management Systems

1. Outcome Target

Adopt practices that maintain profitability

2. Outcome Type : Change in Action Outcome Measure

2008 :935 2009 : 935 2010 : 935 2011 :935 2012 : 935

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems

1. Outcome Target

Develop environmentally sound technologies that improve economic viability

2. Outcome Type : Change in Action Outcome Measure

2008 :230 2009 : 230 2010 : 230 2011 :230 2012 : 230

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 131 - Alternative Uses of Land
- 205 - Plant Management Systems

1. Outcome Target

Evaluate and adopt nutrient sources, recycling and delivery systems that produce high quality crops

2. Outcome Type : Change in Action Outcome Measure

2008 :55 2009 : 60 2010 : 55 2011 :55 2012 : 55

3. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 102 - Soil, Plant, Water, Nutrient Relationships
- 131 - Alternative Uses of Land
- 205 - Plant Management Systems

1. Outcome Target

Evaluate new cropping systems

2. Outcome Type : Change in Action Outcome Measure

2008 :55 2009 : 55 2010 : 60 2011 :60 2012 : 60

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems

1. Outcome Target

Evaluate the potential of new and non-traditional crops and varieties for profitable production in Maine

2. Outcome Type : Change in Action Outcome Measure

2008 :63 2009 : 73 2010 : 73 2011 :73 2012 : 73

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems

1. Outcome Target

Grow new crop

2. Outcome Type : Change in Action Outcome Measure

2008 :45 2009 : 45 2010 : 45 2011 :45 2012 : 45

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems

1. Outcome Target

Grow new variety

2. Outcome Type : Change in Action Outcome Measure

2008 :114 2009 : 114 2010 : 104 2011 :103 2012 : 103

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems

1. Outcome Target

Improve IPM

2. Outcome Type : Change in Action Outcome Measure

2008 :500 2009 : 500 2010 : 500 2011 :500 2012 : 500

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems

1. Outcome Target

Improve crop quality and marketability

2. Outcome Type : Change in Action Outcome Measure

2008 :40 2009 : 40 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems

1. Outcome Target

Improve production and quality of crops

2. Outcome Type : Change in Action Outcome Measure

2008 :105 2009 : 110 2010 : 115 2011 :125 2012 : 125

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems

1. Outcome Target

Improve soil health

2. Outcome Type : Change in Action Outcome Measure

2008 :30 2009 : 30 2010 : 30 2011 :30 2012 : 30

3. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 102 - Soil, Plant, Water, Nutrient Relationships

1. Outcome Target

Maintain Certified Crop Advisor Certification

2. Outcome Type : Change in Action Outcome Measure

2008 :70 2009 : 70 2010 : 60 2011 :60 2012 : 60

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems

1. Outcome Target

Maintain nutrient management certification

2. Outcome Type : Change in Action Outcome Measure

2008 :60 2009 : 60 2010 : 60 2011 :60 2012 : 60

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships

1. Outcome Target

Maintain pesticide applicator certification

2. Outcome Type : Change in Action Outcome Measure

2008 :85 2009 : 85 2010 : 85 2011 :85 2012 : 85

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems

1. Outcome Target

Make appropriate cultivar choices

2. Outcome Type : Change in Action Outcome Measure

2008 :60 2009 : 60 2010 : 60 2011 :60 2012 : 60

3. Associated Knowledge Area(s)

- 202 - Plant Genetic Resources

1. Outcome Target

Make better decisions regarding pest management

2. Outcome Type : Change in Action Outcome Measure

2008 :1215 2009 : 1215 2010 : 1215 2011 :1215 2012 : 1215

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems

1. Outcome Target

Participate in the Maine grass farmer network

2. Outcome Type : Change in Action Outcome Measure

2008 :130 2009 : 150 2010 : 150 2011 :150 2012 : 150

3. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 102 - Soil, Plant, Water, Nutrient Relationships
- 131 - Alternative Uses of Land

1. Outcome Target

Test new crops

2. Outcome Type : Change in Action Outcome Measure

2008 :50 2009 : 50 2010 : 50 2011 :50 2012 : 47

3. Associated Knowledge Area(s)

- 202 - Plant Genetic Resources
- 205 - Plant Management Systems

1. Outcome Target

Test new production techniques

2. Outcome Type : Change in Action Outcome Measure

2008 :120 2009 : 120 2010 : 129 2011 :129 2012 : 129

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems

1. Outcome Target

Test new varieties

2. Outcome Type : Change in Action Outcome Measure

2008 :42 2009 : 42 2010 : 42 2011 :42 2012 : 42

3. Associated Knowledge Area(s)

- 202 - Plant Genetic Resources
- 205 - Plant Management Systems

1. Outcome Target

Use relevant UMCE web-based resources

2. Outcome Type : Change in Action Outcome Measure

2008 :5770 2009 : 5770 2010 : 5770 2011 :5770 2012 : 5770

3. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 131 - Alternative Uses of Land
- 202 - Plant Genetic Resources
- 205 - Plant Management Systems
- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards Affecting Animals
- 405 - Drainage and Irrigation Systems and Facilities

1. Outcome Target

Grow trialed plants

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 202 - Plant Genetic Resources
- 205 - Plant Management Systems

1. Outcome Target

Increase crop production

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems

1. Outcome Target

Reduce the use of high-risk pesticides

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 205 - Plant Management Systems

1. Outcome Target

Test new storage techniques

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :2 2009 : 2 2010 : 2 2011 :2 2012 : 2

3. Associated Knowledge Area(s)

- 405 - Drainage and Irrigation Systems and Facilities

1. Outcome Target

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 131 - Alternative Uses of Land
- 202 - Plant Genetic Resources
- 205 - Plant Management Systems
- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards Affecting Animals

- 405 - Drainage and Irrigation Systems and Facilities

1. Outcome Target

Enhance the safety, sustainability and dependability of Maine's food supply.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 131 - Alternative Uses of Land
- 202 - Plant Genetic Resources
- 205 - Plant Management Systems
- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards Affecting Animals
- 405 - Drainage and Irrigation Systems and Facilities

1. Outcome Target

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 202 - Plant Genetic Resources
- 205 - Plant Management Systems
- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards Affecting Animals
- 405 - Drainage and Irrigation Systems and Facilities

1. Outcome Target

Protect and enhance Maine's natural resources and environment through sustainable.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management

- 131 - Alternative Uses of Land
- 202 - Plant Genetic Resources
- 205 - Plant Management Systems
- 314 - Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards Affecting Animals
- 405 - Drainage and Irrigation Systems and Facilities

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Appropriations changes
- Competing Public priorities
- Economy
- Populations changes (immigration,new cultural groupings,etc.)
- Competing Programatic Challenges
- Public Policy changes
- Government Regulations
- Natural Disasters (drought,weather extremes,etc.)

Description

V(K). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- During (during program)
- Before-After (before and after program)

Description

Intentions for short-term evaluation: written evaluation surveys will be circulated to program participants and newsletter recipients. Intentions For Medium-Term and Long-Term Evaluation: a written evaluation survey will be circulated to program participants and newsletter recipients. In addition, the program will be evaluated by the Maine Potato Board as well as the UMaine Extension Potato Advisory Group.

2. Data Collection Methods

- On-Site
- Structured
- Other (Email/Web surveys)

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)

1. Name of the Planned Program

Agriculture - Sustainable Business Management

2. Brief summary about Planned Program

The educational needs of Maine farmers in sustainable business management skills are as varied as the farms themselves. Workshops, consultations, publications, and websites will address the need for skills in human resource management, product tracking technology, waste and nutrient management, worker protection standards, financial management, crop insurance, and estate planning, among other topics. Small and part-time farmers will learn basic business management skills such as business plan development, customer service, pricing, merchandising and marketing, and methods of maximizing product value.

3. Program existence : Mature (More than five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

- 601 60% Economics of Agricultural Production and Farm Management
- 602 40% Business Management, Finance, and Taxation

V(C). Planned Program (Situation and Scope)

1. Situation and priorities

The current population of full-time farmers in Maine is aging, with an average age of 54. New farmers often require off-farm income to survive. The size of the average farm is increasing, but the overall number of farms continues to decline. Even so, in terms of acreage, while large farms are getting larger, the number of very small, diverse farm enterprises is growing. Maine has seen a growing number of women entering farming. In 2002, Maine had 7,196 farms, with close to 1.4 million acres of farmland.[i] This is about 7 percent of the state’s land base.[ii] The majority of these farms are classified as small farms. The number of farms with yearly sales over \$100,000 was 679. Ninety-five percent of Maine farms fit the USDA definition of a “small farm,” with annual sales under \$250,000.[iii]

The need for those in agriculture to practice effective business management skills is critical for the sustainability of this industry, which provides employment for more than 65,000 Maine people and contributes over \$1.2 billion to the Maine economy.[iv]

The educational needs of Maine farmers in sustainable business management skills are as varied as the diverse enterprises that make up this industry. As farms become larger, operators have to learn new skills in human resource management, product tracking technology, waste/nutrient management, worker protection standards, financial management and other issues. Small and part-time farmers often need to learn basic business management skills such as business plan development, customer service, pricing, merchandising and marketing, and methods of maximizing product value.

[i] USDA National Agricultural Statistics Service, 2002 Census of Agriculture (June 2004), <http://www.nass.usda.gov/census/>.

[ii] Hugh M. Coxe, Agricultural Council of Maine Property Tax Study (Falmouth, ME: New England Planning Concepts, 2004), 9.

[iii] USDA, 2002 Census of Agriculture.

[iv] Maine Department of Agriculture, Food and Rural Resources, Agriculture Works Biennial Report 2002.

2. Scope of the Program

- In-State Extension
- Multistate Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

Sustainable business management practices are essential for the survival of commercial agriculture in Maine. The wise use of economic, natural and human resources in an agricultural enterprise is required to keep farming profitable for the present and the future. Maine’s farmers have long regarded themselves as stewards of the land and water resources of our state. In recent years, competing interests for land, water, and labor have presented serious challenges to many agricultural producers.

2. Ultimate goal(s) of this Program

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
 Enhance the safety, sustainability, and dependability of Maine's food supply.
 Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
 Increase the economic and social viability and sustainability of Maine communities.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2008	4.4	0.0	0.6	0.0
2009	4.4	0.0	0.6	0.0
2010	4.4	0.0	0.6	0.0
2011	4.4	0.0	0.6	0.0
2012	4.3	0.0	0.6	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

Consultations - Agriculture Business Management
 Developing and Implementing an Estate Plan to Preserve Wealth
 Cost of Production Dairy Farms and Forage Crops
 Crop Insurance Education
 Farms for the Future
 Meetings on Agriculture Business Management
 Piscataquis Farming Newsletter
 Producers will adopt an organized farm recordkeeping system
 Profitability Workshops for Livestock Producers

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Other 2 (Collaborative or Cooperative Eff) ● Group Discussion ● Workshop ● Demonstrations ● Other 1 (Conference or symposium) ● One-on-One Intervention 	<ul style="list-style-type: none"> ● Web sites ● Other 2 (Radio Program) ● TV Media Programs ● Other 1 (Applied Research) ● Newsletters

3. Description of targeted audience

Agency Staff or Professionals (Adult)
 Agricultural Producers (Adult)
 Extension - all staff (Adult)
 Forestland Managers (Adult)

V(G). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2008	2118	90905	0	0
2009	2118	90905	0	0
2010	2118	90905	0	0
2011	2118	90905	0	0
2012	2118	90905	0	0

2. (Standard Research Target) Number of Patents

Expected Patents

2008 :0 2009 :0 2010 :0 2011 :0 2012 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target
2008	0	0
2009	0	0
2010	0	0
2011	0	0
2012	0	0

V(H). State Defined Outputs

1. Output Target

- Direct - Conference or symposium; Planning and/or participation

2008 :41 2009 :41 2010 :41 2011 :31 2012 :31

- Direct - Consultation; phone, written, in-person

2008 :50 2009 :50 2010 :50 2011 :50 2012 :50

- Direct - Display or exhibit

2008 :8 2009 :8 2010 :8 2011 :8 2012 :8

- Direct - Group Presentation

2008 :4 2009 :3 2010 :4 2011 :3 2012 :3

- Direct - Public Presentation

	2008 :12	2009 :12	2010 : 12	2011 :12	2012 :12
● Direct - Train-the-Trainer					
	2008 :4	2009 :4	2010 : 4	2011 :4	2012 :4
● Direct - Workshop - single session					
	2008 :2	2009 :2	2010 : 2	2011 :2	2012 :2
● Indirect - AV resource					
	2008 :2	2009 :0	2010 : 2	2011 :0	2012 :0
● Indirect - Applied Research					
	2008 :1	2009 :1	2010 : 1	2011 :1	2012 :1
● Indirect - Display or Exhibit					
	2008 :8	2009 :8	2010 : 8	2011 :8	2012 :8
● Indirect - Publication					
	2008 :30	2009 :30	2010 : 32	2011 :32	2012 :32
● Indirect - Publication - newsletter					
	2008 :12	2009 :12	2010 : 12	2011 :12	2012 :12
● Indirect - Radio Program					
	2008 :2	2009 :2	2010 : 2	2011 :2	2012 :2
● Indirect - Television Segment					
	2008 :4	2009 :4	2010 : 4	2011 :4	2012 :4
● Indirect - Website					
	2008 :1	2009 :1	2010 : 1	2011 :1	2012 :1

V(I). State Defined Outcome

1. Outcome Target

Demonstrate advanced business management skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :4	2009 : 6	2010 : 8	2011 :10	2012 : 10
---------	----------	----------	----------	-----------

3. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Demonstrate basic business management skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :30 2009 : 30 2010 : 30 2011 :30 2012 : 30

3. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Demonstrate how to analyze records for decision making

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :55 2009 : 65 2010 : 75 2011 :85 2012 : 85

3. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Demonstrate production recordkeeping

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :30 2009 : 30 2010 : 30 2011 :30 2012 : 30

3. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Describe record keeping and record keeping systems

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Describe the components of an estate plan

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :15 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Adopt appropriate management strategies

2. Outcome Type : Change in Action Outcome Measure

2008 :35 2009 : 45 2010 : 55 2011 :65 2012 : 65

3. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Develop a business plan

2. Outcome Type : Change in Action Outcome Measure

2008 :15 2009 : 15 2010 : 15 2011 :15 2012 : 15

3. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Develop a financial plan

2. Outcome Type : Change in Action Outcome Measure

2008 :55 2009 : 70 2010 : 80 2011 :90 2012 : 90

3. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Develop an estate plan for business enterprise

2. Outcome Type : Change in Action Outcome Measure

2008 :15 2009 : 15 2010 : 15 2011 :15 2012 : 15

3. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Enroll in and work with Farms for the Future

2. Outcome Type : Change in Action Outcome Measure

2008 :15 2009 : 15 2010 : 15 2011 :15 2012 : 15

3. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Keep accurate records

2. Outcome Type : Change in Action Outcome Measure

2008 :65 2009 : 75 2010 : 85 2011 :95 2012 : 95

3. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Make better decisions using accurate records

2. Outcome Type : Change in Action Outcome Measure

2008 :55 2009 : 65 2010 : 75 2011 :85 2012 : 85

3. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Manage business to achieve profit

2. Outcome Type : Change in Action Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Secure financing

2. Outcome Type : Change in Action Outcome Measure

2008 :35 2009 : 45 2010 : 55 2011 :65 2012 : 65

3. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Use relevant UMCE web-based resources

2. Outcome Type : Change in Action Outcome Measure

2008 :335 2009 : 345 2010 : 355 2011 :365 2012 : 365

3. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Demonstrate sound agricultural practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :70 2009 : 70 2010 : 70 2011 :70 2012 : 70

3. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Adopt practices that maintain profitability

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 502 - New and Improved Food Products
- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Enhance the safety, sustainability and dependability of Maine's food supply.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 502 - New and Improved Food Products
- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 502 - New and Improved Food Products
- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Protect and enhance Maine's natural resources and environment through sustainable.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 502 - New and Improved Food Products
- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Appropriations changes
- Natural Disasters (drought,weather extremes,etc.)
- Competing Programatic Challenges
- Populations changes (immigration,new cultural groupings,etc.)
- Competing Public priorities
- Government Regulations
- Economy
- Public Policy changes

Description

{NO DATA ENTERED}

V(K). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- Retrospective (post program)
- Time series (multiple points before and after program)
- During (during program)
- Before-After (before and after program)

Description

Intentions for short-term evaluation: field day evaluations, workshop evaluations, statistical counts of new pesticide applicator licenses and pesticide recertification credits, evaluation of bench mark data.

Intentions for medium-term evaluation: end of production year evaluation using surveys.

Intentions for long-term evaluation: evaluate changes in annual agricultural productivity and profitability, and adoption of technology.

2. Data Collection Methods

- Other (Email/Web Surveys)
- On-Site
- Structured

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)**1. Name of the Planned Program**

Coastal and Marine

2. Brief summary about Planned Program

Fishing, marine aquaculture, and tourism are vital to Maine's economy. Changing development patterns are causing habitat loss, fragmentation, and degradation that are affecting the viability of Maine's coastal communities and ecosystems. These issues will be addressed through volunteer education and monitoring programs, collaborative fisheries management systems, marine fisheries, aquaculture, and ecosystem education programs, and planning initiatives focused on sustainable coastal communities.

3. Program existence : Mature (More than five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)**1. Program Knowledge Areas and Percentage**

- 112 25% Watershed Protection and Management
- 134 15% Outdoor Recreation
- 135 13% Aquatic and Terrestrial Wildlife
- 307 12% Animal Management Systems
- 608 35% Community Resource Planning and Development

V(C). Planned Program (Situation and Scope)**1. Situation and priorities**

Maine's seafood industry provides 26,000 direct and indirect jobs and brings \$860 million into the state economy.[i] Lobsters dominate the commercial fishery, with over 5,000 licenses and landings of over 50 million pounds worth more than \$150 million.[ii] The state has approximately 600 ground fish permits, mostly in the Portland area, with landings of over \$23 million.

Marine commercial and recreational aquaculture operations cultivate shellfish—including mussels, clams, bay scallops and oysters—and finfish, primarily Atlantic salmon. Hatcheries and salmon farms account for most of the value generated by aquaculture products in Maine. Salmon aquaculture peaked at \$80 million in 2000 and declined to less than \$15 million in 2003. Throughout coastal Maine, traditional working waterfronts based on marine resources infrastructure and industry are being forced to make way for a new waterfront economy in which water-dependent businesses (schooners, kayakers, whale watchers, etc.) compete for waterfront access with traditional industries (lobster wharfs, boat building and other marine trades).

[i] Northeast Fisheries Science Center, Commercial Fisheries and Mariculture Revenues for Northeast States, 1999 (July 5, 2000), www.nefsc.nmfs.gov/press_releases/news00.16.html (accessed August 2004).

[ii] Maine Department of Marine Resources, Statistics Division, Commercial Fisheries Landings, <http://www.maine.gov/dmr.commercialfishing/2002landingsbyvalue.htm> (accessed August 2004).

2. Scope of the Program

- Integrated Research and Extension
- Multistate Extension
- In-State Extension
- In-State Research

V(D). Planned Program (Assumptions and Goals)**1. Assumptions made for the Program**

Maine's coastal communities under pressure are faced with potential economic losses, including lowered income or lost jobs for coastal fishing families. Fishing not only provides income for families, but also is a traditional way of life. Maine residents may lose the ability to harvest Gulf of Maine resources and participate in resource management. A growing segment of the emerging coastal economy are in the service sector and are often seasonal, offering lower pay and reduced or absent health benefits. Many fear the "hollowing out"[i] of coastal

communities, in which retirees and second homeowners replace working people as the character of coastal communities shifts from a fishing culture toward a suburban and tourism-based lifestyle. These changes can cause local conflicts that divide communities trying to balance economic development with public resource protection.

The integrity of Maine’s coast is threatened by habitat loss, fragmentation and degradation, often as the result of changing development patterns. Ecosystem health (including deteriorating water quality, the prevalence of invasive species, and climate change) has a direct impact on the communities supported by both the fishing and tourism industries. Ultimately, human health and quality of life are compromised by failure to control pollution or monitor environmental conditions.

[i] John Ryan, Mount Desert Island Housing Trust Action Plan, (February, 2004).

2. Ultimate goal(s) of this Program

- Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
- Enhance the safety, sustainability, and dependability of Maine's food supply.
- Increase the economic and social viability and sustainability of Maine communities.
- Protect and enhance Maine's natural resources and environment through sustainable stewardship.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2008	3.6	0.0	0.4	0.0
2009	3.0	0.0	0.1	0.0
2010	2.7	0.0	0.1	0.0
2011	2.6	0.0	0.1	0.0
2012	2.8	0.0	0.1	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

- Academic Assessment with the Geroges Rives Case Study
- Applied Research in Fisheries and Aquaculture
- Assessment of Marine Invasive Species
- Beach Profile Monitoring Program
- Coastal Access Forums
- Cobscook Bay Fishermen's Association
- Interactive, Collaborative Fisheries Management Workshops
- Academic Assessment with the Georges River Case Study
- Education/Outreach
- Fisheries Outreach Education
- Maine Beaches Conference
- Maine Scallop Advisory Council
- Maine Healthy Beaches Program consultation
- Maine Healthy Beaches field training
- Maine Healthy Beaches presentations/forum
- Maine Healthy Beaches Website
- Marine Education in Classrooms
- Northeast Farmed Fish Health Management workshop
- Porphyra Culture Demonstration Project
- Washington County Community College Waterfront Management Committee

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● One-on-One Intervention ● Other 2 (Collaborative or Cooperative Eff) ● Demonstrations ● Other 1 (Applied Research) ● Workshop ● Education Class 	<ul style="list-style-type: none"> ● Web sites ● Other 1 (Applied Research) ● Other 2 (Publication - fact sheet)

3. Description of targeted audience

- Agency Staff or Professionals (Adult)
- Coalition Members (Adult)
- Commercial Fishing Industry Members (Adult)
- Commercial Aquaculturalists (Adult)
- Commercial Fishing Industry Organization Members (Adult)
- Community Leaders (Adult)
- Community Members (Adult)
- General Public (Adult)
- Municipal Officials (Adult)
- Policy Makers (Adult)
- Veterinarians (Adult)
- Volunteers (Adult)
- Students (Youth)

V(G). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2008	1070	50250	100	0
2009	1220	50250	200	0
2010	1020	50250	300	0
2011	1220	50250	400	0
2012	1220	50250	400	0

2. (Standard Research Target) Number of Patents

Expected Patents

2008 :0 2009 :0 2010 :0 2011 :0 2012 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target
2008	0	0
2009	0	0
2010	0	0
2011	0	0
2012	0	0

V(H). State Defined Outputs

1. Output Target

- Direct - Applied Research

2008 :2 2009 :1 2010 : 1 2011 :1 2012 :1

- Direct - Collaborative or Cooperative Effort

2008 :5 2009 :5 2010 : 5 2011 :5 2012 :5

- Direct - Conference or symposium

2008 :0 2009 :1 2010 : 0 2011 :1 2012 :1

- Direct - Consultation; phone, written, in-person

2008 :100 2009 :100 2010 : 100 2011 :100 2012 :100

- Direct - Experiential Learning

2008 :10 2009 :20 2010 : 20 2011 :20 2012 :20

- Direct - Public Presentation

2008 :13 2009 :13 2010 : 13 2011 :13 2012 :13

- Direct - Volunteer Training

2008 :45 2009 :45 2010 : 45 2011 :45 2012 :45

- Direct - Workshop - single session

2008 :4 2009 :4 2010 : 4 2011 :4 2012 :4

- Indirect - Applied Research

2008 :2 2009 :2 2010 : 2 2011 :2 2012 :2

- Indirect - Publication - fact sheet

2008 :2 2009 :2 2010 : 2 2011 :2 2012 :2

- Indirect - Website

2008 :1

2009 :1

2010 : 1

2011 :1

2012 :1

V(I). State Defined Outcome

1. Outcome Target

Describe fisheries management practices that are environmentally and socially sound and lead to long-term economic viability

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :65

2009 : 65

2010 : 65

2011 :65

2012 : 65

3. Associated Knowledge Area(s)

- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Management Systems
- 608 - Community Resource Planning and Development

1. Outcome Target

Describe how to balance ecological, social and economic needs

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :40

2009 : 40

2010 : 40

2011 :40

2012 : 40

3. Associated Knowledge Area(s)

- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Management Systems
- 608 - Community Resource Planning and Development

1. Outcome Target

Describe resources available from, and services provided by, natural resource professionals

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :100

2009 : 100

2010 : 100

2011 :100

2012 : 100

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Management Systems
- 608 - Community Resource Planning and Development

1. Outcome Target

Describe the effects of individual and cumulative decisions and actions on local and global ecosystems

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :75

2009 : 100

2010 : 125

2011 :150

2012 : 150

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Management Systems

1. Outcome Target

Describe the process involved in affecting change in public policy

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

1. Outcome Target

Describe water and land interaction, and related water-quality issues

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :300 2009 : 325 2010 : 350 2011 :375 2012 : 375

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management

1. Outcome Target

Adopt appropriate practices

2. Outcome Type : Change in Action Outcome Measure

2008 :150 2009 : 150 2010 : 150 2011 :150 2012 : 150

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Management Systems
- 608 - Community Resource Planning and Development

1. Outcome Target

Adopt practices that maintain long-term productivity

2. Outcome Type : Change in Action Outcome Measure

2008 :60 2009 : 60 2010 : 60 2011 :60 2012 : 60

3. Associated Knowledge Area(s)

- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Management Systems

1. Outcome Target

Conduct community service or outreach

2. Outcome Type : Change in Action Outcome Measure

2008 :12 2009 : 12 2010 : 12 2011 :12 2012 : 12

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

1. Outcome Target

Create and sustain effective partnerships and collaborations

2. Outcome Type : Change in Action Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

1. Outcome Target

Identify and remediate pollution sources

2. Outcome Type : Change in Action Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management

1. Outcome Target

Increase levels of community participation and decision making

2. Outcome Type : Change in Action Outcome Measure

2008 :40 2009 : 40 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

1. Outcome Target

Make better decision regarding natural resource management

2. Outcome Type : Change in Action Outcome Measure

2008 :15 2009 : 15 2010 : 15 2011 :15 2012 : 15

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Management Systems

1. Outcome Target

Make better decisions using science and technology skills

2. Outcome Type : Change in Action Outcome Measure

2008 :50 2009 : 50 2010 : 60 2011 :70 2012 : 70

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Management Systems

1. Outcome Target

Manage community resources

2. Outcome Type : Change in Action Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

1. Outcome Target

Promote community responsibility and action

2. Outcome Type : Change in Action Outcome Measure

2008 :25 2009 : 30 2010 : 35 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

1. Outcome Target

Promote municipal responsibility and action

2. Outcome Type : Change in Action Outcome Measure

2008 :25 2009 : 30 2010 : 35 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

1. Outcome Target

Promote personal responsibility and action

2. Outcome Type : Change in Action Outcome Measure

2008 :70 2009 : 80 2010 : 90 2011 :100 2012 : 100

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

1. Outcome Target

Use relevant UMCE web-based resources

2. Outcome Type : Change in Action Outcome Measure

2008 :100 2009 : 250 2010 : 350 2011 :450 2012 : 450

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Management Systems
- 608 - Community Resource Planning and Development

1. Outcome Target

Demonstrate how to assess and manage marine resources

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :190 2009 : 180 2010 : 180 2011 :180 2012 : 190

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Management Systems
- 608 - Community Resource Planning and Development

1. Outcome Target

Demonstrate how to collect and analyze data

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :100 **2009 :** 200 **2010 :** 300 **2011 :**400 **2012 :** 400

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Management Systems

1. Outcome Target

Demonstrate how to identify invasive species

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :100 **2009 :** 200 **2010 :** 250 **2011 :**300 **2012 :** 300

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Management Systems

1. Outcome Target

Demonstrate how to keep good records

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :80 **2009 :** 200 **2010 :** 350 **2011 :**450 **2012 :** 450

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Management Systems
- 608 - Community Resource Planning and Development

1. Outcome Target

Demonstrate how to locate Extension web-based resources

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :200 **2009 :** 300 **2010 :** 400 **2011 :**450 **2012 :** 450

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 134 - Outdoor Recreation

- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Management Systems
- 608 - Community Resource Planning and Development

1. Outcome Target

Demonstrate how to locate scientific information

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :100 **2009 :** 200 **2010 :** 300 **2011 :**300 **2012 :** 300

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Management Systems

1. Outcome Target

Demonstrate how to use science process skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :100 **2009 :** 250 **2010 :** 350 **2011 :**350 **2012 :** 350

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Management Systems

1. Outcome Target

Describe integrated farming system strategies.

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :5 **2009 :** 5 **2010 :** 5 **2011 :**5 **2012 :** 5

3. Associated Knowledge Area(s)

- 307 - Animal Management Systems

1. Outcome Target

Develop environmentally sound technologies and practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :5 **2009 :** 5 **2010 :** 5 **2011 :**5 **2012 :** 5

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Management Systems
- 608 - Community Resource Planning and Development

1. Outcome Target

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Management Systems
- 608 - Community Resource Planning and Development

1. Outcome Target

Enhance the safety, sustainability and dependability of Maine's food supply.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Management Systems
- 608 - Community Resource Planning and Development

1. Outcome Target

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 307 - Animal Management Systems
- 608 - Community Resource Planning and Development

1. Outcome Target

Protect and enhance Maine's natural resources and environment through sustainable.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife

- 307 - Animal Management Systems
- 608 - Community Resource Planning and Development

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Government Regulations
- Economy
- Natural Disasters (drought, weather extremes, etc.)
- Populations changes (immigration, new cultural groupings, etc.)
- Competing Programmatic Challenges
- Competing Public priorities
- Appropriations changes
- Public Policy changes

Description

{NO DATA ENTERED}

V(K). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- Retrospective (post program)
- Time series (multiple points before and after program)
- Before-After (before and after program)

Description

Intentions for short-term evaluation: Pre- and post-program evaluations will be conducted as appropriate. We will track the use of web resources and requests for publications. We will survey marine aquaculture stakeholder groups to document success in collaborative research and education.

Intentions for medium-term evaluation: Follow up survey of program participants will be conducted as appropriate to assess how knowledge/skills gained are being applied. Evaluate behavior changes such as production practices and policies for marine aquaculture resulting from our efforts in collaborative research and education.

Intentions for long-term evaluation: Follow up community-level survey to assess progress made in relation to goals set, such as protecting and enhancing natural resources and environment through sustainable stewardship. Evaluate beneficial changes to the economic and environmental sustainability of marine aquaculture resulting from UMaine Extension's efforts in collaborative research and education.

2. Data Collection Methods

- Structured
- Other (Email/Web surveys)
- On-Site

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)**1. Name of the Planned Program**

Community Development: Capacity-building Skills

2. Brief summary about Planned Program

In all communities, large and small, there is a need for local leadership to deal with complex issues. Members of charitable non-profits and community organizations need to be able to develop skills and access information and technical assistance to inform their decisions. Citizens, both youth and adults, need to engage in building the communities that they want for the future. Workshops, train-the-trainer programs, and coaching sessions will be used to develop facilitation and group process skills that will enhance individual participation and effectiveness in working in groups to make informed decisions and plan for the future of their organizations and communities.

3. Program existence : Mature (More than five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : No

V(B). Program Knowledge Area(s)**1. Program Knowledge Areas and Percentage**

- 608 10% Community Resource Planning and Development
- 802 35% Human Development and Family Well-Being
- 803 45% Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 5% Community Institutions, Health, and Social Services
- 901 5% Program and Project Design, and Statistics

V(C). Planned Program (Situation and Scope)**1. Situation and priorities**

Maine has a population of about 1.25 million people, yet we live in a space that could comfortably hold the other five New England states put together.[i] The majority of Maine's residents live in southern Maine, where coastal property is at a premium and increasingly unaffordable to long-time Maine residents due to escalating property taxes. Southern and mid-coast areas have experienced the greatest in-migration. Our net population is growing slowly. From 2002 to 2010, it is estimated that 3000 to 4000 people will move to Maine "from away." [ii] From within the state, we are moving from north to south, from inland to coastal areas and from urban to rural areas. Infrastructure costs to support these population shifts (schools, commuter roads, municipal services) and the environmental costs of urban sprawl (water, soil and air quality) are being passed on to state taxpayers. Maine's population is relatively old, with a median age of 36.9 years.[iii] It is the third oldest state in the nation. In 2002, 14 percent of Maine's total population was 65 or older.[iv] In 2025, that group will represent 21 percent of the total population, as a result of elders living longer, a projected continuing out-migration and declining birth rates.[v] From 2000 to 2020, Maine's population is forecast to grow about 10 percent overall, but Maine's senior population will grow by 50 percent.[vi] Affordable and accessible elder health care, housing and related services will become more pronounced over time.

Some reports indicate that Maine's young people are leaving. This is referred to as the "brain drain." [vii] This presents a challenge: young people are attracted to vibrant economies, and vibrant economies are built on the ideas and energy of young workers.[viii] From 2000 to 2010 the K-12 public school population will decrease; from 2005 to 2010, the number of high school graduates will decrease, and in 2005, the total school population will begin to decline.[ix] In addition to these statistics, the increased time workers spend commuting between home and one or more work sites, just to make ends meet, leaves less time and energy for family connections, volunteerism or civic engagement.

[i] Laurie Lachance, "Maine's Population," Maine Policy Leaders Academy presentation (Augusta, ME: Maine State Planning Office, 2000), <http://www.state.me.us/spo/economics/economics/pdf/pla-presentation.pdf> (accessed May 2004).

[ii] Charles Colgan, "The 2002 Long Range Economic and Population Forecasts For Maine and its Regions 2000-2025". (Portland, ME: USM Center for Business and Economic Research, 2002) http://www.muskie.usm.maine.edu/csc/homepage/dmpremi_2000.htm (accessed May 2004).

[iii] Lachance, "Maine's Population."

[iv] Lachance, "Maine's Population."

[v] Lachance, "Maine's Population."

[vi] Lachance "Maine's Population."

[vii] Laurie Lachance, "The Maine Economy: Shoring Up the Foundation," presentation to the Jackson Laboratory (Augusta, ME: Maine State Planning Office, 2003), www.state.me.us/spo/economics/economics/presentations.php (accessed May 2004).

[viii] Lachance, "The Maine Economy."

[ix] Colgan, "Economic and Population Forecasts."

2. Scope of the Program

- In-State Research
- Integrated Research and Extension
- In-State Extension
- Multistate Extension
- Multistate Research

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

According to James B. Cook, "there is a generally recognized set of characteristics that differentiate community development from other forms of community-related activities." [i]The characteristics of a community development activity include (1) a focus on a defined "unit" called community, (2) a desired outcome that results in positive structural change, (3) involvement of paid professionals or workers, (4) a process initiated from outside of the community, (5) an emphasis on the involvement of community members, and (6) a holistic approach that will increase participation in a democratic process . . . and result in more inclusive community decision-making. [ii]A community's capacity, or ability to achieve identified goals, is realized when potential community assets, resources, gifts and talents are mobilized.

[i]James B. Cook, Community Development Theory, publication MP568, (Columbia, MO: University of Missouri Extension, 1994), 3.

[ii] Cook, Community Development Theory, 3.

2. Ultimate goal(s) of this Program

Increase the economic and social viability and sustainability of Maine communities.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2008	2.2	0.0	0.3	0.0
2009	2.2	0.0	0.5	0.0
2010	1.2	0.0	0.3	0.0
2011	1.2	0.0	0.3	0.0
2012	1.0	0.0	0.3	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

- Community Capacity Building and Leadership.
- Community Coaching
- Community Wellness Coalition
- Maine Solutions Projects
- Organizational Development with Community Groups and Organizations

Strengthening Facilitation Skills
 Strengthening Facilitation Skills Workshop
 York County Executive Committee
 York County Prevention Collaborative

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Other 2 (Collaborative or Cooperative Eff) ● Education Class ● Other 1 (Applied Research) ● Workshop ● Group Discussion ● One-on-One Intervention 	<ul style="list-style-type: none"> ● Web sites ● Other 1 (Applied Research)

3. Description of targeted audience

Agency Staff or Professionals (Adult)
 Community Leaders (Adult)
 Community Members (Adult)
 Community Organization Members or Staff (Adult)
 County Executive Committee Members (Adult)
 Extension - all staff (Adult)
 Extension Faculty (Adult)
 Policy Makers (Adult)
 Radio Program Audience (Adult)
 Social Service Providers (Adult)
 4-H Special Interest or Short-Term Program Participants (Youth)
 Community Members (Youth)

V(G). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2008	10778	504	0	100
2009	10923	504	0	100
2010	10578	504	0	100
2011	10583	504	0	100
2012	10583	504	0	100

2. (Standard Research Target) Number of Patents

Expected Patents

2008 :0 2009 :0 2010 :0 2011 :0 2012 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target
2008	0	0
2009	0	0
2010	0	0
2011	0	0
2012	0	0

V(H). State Defined Outputs

1. Output Target

- Direct - Applied Research

2008 :1 2009 :1 2010 :1 2011 :1 2012 :1

- Direct - Collaborative or Cooperative Effort

2008 :20 2009 :20 2010 :20 2011 :20 2012 :20

- Direct - Experiential Learning

2008 :12 2009 :24 2010 :24 2011 :24 2012 :24

- Direct - Train-the-Trainer

2008 :1 2009 :1 2010 :1 2011 :1 2012 :1

- Direct - Volunteer Training

2008 :6 2009 :6 2010 :6 2011 :6 2012 :6

- Direct - Workshop - series

2008 :2 2009 :2 2010 :2 2011 :2 2012 :2

- Direct - Workshop - single session

2008 :5 2009 :5 2010 :0 2011 :0 2012 :0

- Indirect - Applied Research

2008 :1 2009 :1 2010 :1 2011 :1 2012 :1

- Indirect - Website

2008 :0 2009 :0 2010 :0 2011 :0 2012 :0

V(I). State Defined Outcome

1. Outcome Target

Demonstrate advanced facilitation skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :35 2009 : 35 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics

1. Outcome Target

Demonstrate basic facilitation skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :170 2009 : 170 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics

1. Outcome Target

Demonstrate effective collaboration skills and techniques

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :30 2009 : 30 2010 : 30 2011 :30 2012 : 30

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Demonstrate effective practices in leadership roles

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics

1. Outcome Target

Demonstrate effective strategies for meeting needs

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Demonstrate leadership skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :178 2009 : 178 2010 : 28 2011 :28 2012 : 28

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 802 - Human Development and Family Well-Being
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics

1. Outcome Target

Demonstrate strategies to mobilize community resources

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 30 2010 : 30 2011 :30 2012 : 30

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Demonstrate the effective use of action and results planning techniques

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :24 2009 : 34 2010 : 34 2011 :34 2012 : 34

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics

1. Outcome Target

Describe effective mentoring and coaching techniques

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :25 2009 : 25 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Describe the components of an effective meeting

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :170 **2009 :** 170 **2010 :** 20 **2011 :**20 **2012 :** 20

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Describe the elements of effective group work

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :150 **2009 :** 150 **2010 :** 0 **2011 :**0 **2012 :** 0

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Describe organizational development processes and stages

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 **2009 :** 15 **2010 :** 15 **2011 :**15 **2012 :** 15

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Demonstrate process for assessing organizational and community needs

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :8 **2009 :** 8 **2010 :** 8 **2011 :**8 **2012 :** 8

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Provide learning opportunities for groups or organizations

2. Outcome Type : Change in Action Outcome Measure

2008 :240 2009 : 240 2010 : 240 2011 :240 2012 : 240

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Take leadership role

2. Outcome Type : Change in Action Outcome Measure

2008 :150 2009 : 150 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 802 - Human Development and Family Well-Being
- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Teach others to take leadership and facilitation roles

2. Outcome Type : Change in Action Outcome Measure

2008 :40 2009 : 40 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Demonstrate group process skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :5 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics

1. Outcome Target

Demonstrate how to design, facilitate, run, and maintain a volunteer program

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :7 2009 : 7 2010 : 7 2011 :7 2012 : 7

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics

1. Outcome Target

Demonstrate how to evaluate the effectiveness of existing policies or practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics

1. Outcome Target

Describe how to identify and garner resources

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :3 2009 : 3 2010 : 3 2011 :3 2012 : 3

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics

1. Outcome Target

Describe needs assessment techniques

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :5 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics

1. Outcome Target

Describe the stages of group development

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics

1. Outcome Target

Identify community success stories

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Access community needs

2. Outcome Type : Change in Action Outcome Measure

2008 :5 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics

1. Outcome Target

Be a mentor to other community organizations or groups

2. Outcome Type : Change in Action Outcome Measure

2008 :2 2009 : 2 2010 : 2 2011 :2 2012 : 2

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 802 - Human Development and Family Well-Being
- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Create and sustain effective partnerships and collaborations

2. Outcome Type : Change in Action Outcome Measure

2008 :2 2009 : 2 2010 : 2 2011 :2 2012 : 2

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics

1. Outcome Target

Develop a shared vision for the future

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :5 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics

1. Outcome Target

Develop partnerships among organizations or groups

2. Outcome Type : Change in Action Outcome Measure

2008 :2 2009 : 2 2010 : 2 2011 :2 2012 : 2

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Facilitate community discussions

2. Outcome Type : Change in Action Outcome Measure

2008 :122 2009 : 122 2010 : 22 2011 :22 2012 : 22

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Implement public policies or practices

2. Outcome Type : Change in Action Outcome Measure

2008 :2 2009 : 3 2010 : 3 2011 :3 2012 : 3

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics

1. Outcome Target

Increase capacity to function as a group

2. Outcome Type : Change in Action Outcome Measure

2008 :7 2009 : 7 2010 : 7 2011 :7 2012 : 7

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics

1. Outcome Target

Increase volunteerism

2. Outcome Type : Change in Action Outcome Measure

2008 :7 2009 : 7 2010 : 7 2011 :7 2012 : 7

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics

1. Outcome Target

Teach others to convene and facilitate community collaboratives

2. Outcome Type : Change in Action Outcome Measure

2008 :4 2009 : 4 2010 : 4 2011 :4 2012 : 4

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Use collaborative process or approach

2. Outcome Type : Change in Action Outcome Measure

2008 :3 2009 : 3 2010 : 3 2011 :3 2012 : 3

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Increase the economic and social viability and sustainability of Maine communities.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 901 - Program and Project Design, and Statistics

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Economy
- Competing Programatic Challenges
- Populations changes (immigration,new cultural groupings,etc.)
- Natural Disasters (drought,weather extremes,etc.)
- Appropriations changes
- Public Policy changes
- Government Regulations
- Competing Public priorities

Description

{NO DATA ENTERED}

V(K). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- Before-After (before and after program)

Description

Intentions for short-term evaluation: Pre- and post-event evaluation instrument as well as a retrospective evaluation instrument will be used to measure knowledge gained and skills learned.

Intentions for medium-term evaluation: Evaluation of changes in behavior, practice, decision-making, policy, and social action. Evaluation of changes in civic engagement.

Intentions for long-term evaluation: Research on the long-term impact of changes in social, civic, organizational, economic, and environmental conditions.

2. Data Collection Methods

- Other (Email/Web Surveys)
- On-Site

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)**1. Name of the Planned Program**

Entrepreneurship - Small and Home Based Business

2. Brief summary about Planned Program

Small businesses are an important sector of Maine's economy, and approximately 25 percent of new small businesses in Maine are home-based. Business and financial planning and management skills, computer skills, product and value-added development, and marketing skills are essential to the success of new and established small businesses. Workshops, clinics, consultations, conferences, and websites provide access to information and a means to develop and refine skills that are applied at all stages of new business development and current business enhancement.

3. Program existence : Mature (More than five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)**1. Program Knowledge Areas and Percentage**

- 134 2% Outdoor Recreation
- 504 2% Home and Commercial Food Service
- 602 80% Business Management, Finance, and Taxation
- 604 7% Marketing and Distribution Practices
- 607 2% Consumer Economics
- 608 5% Community Resource Planning and Development
- 801 2% Individual and Family Resource Management

V(C). Planned Program (Situation and Scope)**1. Situation and priorities**

A 2003 statewide poll of Maine residents, conducted by Market Decisions of South Portland, found the economy, specifically jobs, to be a top concern.[i] While the economy has experienced slow growth in recent years, many people in Maine are very pessimistic about future employment prospects.

Maine's economic outlook calls for continued steady slow economic growth, with southern and coastal areas of the state outperforming the rest of the state in the years ahead. Most of the new jobs in Maine are expected to come from the services and retail trade sectors concentrated in the southern and coastal regions. The outlook for the manufacturing sector calls for continued employment losses as traditional natural-resource-based industries in Maine continue to erode and decline. Between 2001 and 2002, Maine lost 9,700 manufacturing jobs, representing 11.2 percent of all our manufacturing jobs.[ii] In northern Maine, hundreds of workers have recently lost high paying jobs as a result of the bankruptcies of Great Northern Paper Company in Millinocket, Eastern Fine Paper Company in Brewer, and Lincoln Pulp and Paper Company in Lincoln.

The top priority of Maine's Governor and the Department of Economic and Community Development is to increase economic opportunities. Small business development and entrepreneurship play an important role in the state's current economic development strategy. Maine's economic future is dependent on the successful start-up, continuation and expansion of small businesses. There are about 140,000 small businesses in Maine. [iii] About 90 percent of them employ five or fewer employees, accounting for about 20 percent of the labor force. [iv] Many of these businesses are home-based and located in the rural areas of the state. Together, these small businesses contribute significantly to the employment base in Maine.

Successful start-up of small businesses has played a very important role in Maine's employment growth during the 1990s and early 2000s and is expected to continue through the next decade. About 25 percent of these start-ups are home-based. They include every economic sector, from food processing to home childcare. It is estimated that two out of every three new jobs will be created by small businesses employing fewer than five people. [v] Many of these businesses are expected to be home-based or micro-enterprises that produce value-added products from Maine's natural resources. Small and home-based businesses represent entrepreneurial strength, diversity and durability, which contribute to the economic vitality of the state.

[i] Market Decisions. Mainers' View of Economy Continues to Improve - Rising Faster than National Indices. South Portland, ME, 2003.

<http://www.marketdecisions.com/index2.htm> (accessed September 2004).

[ii] Maine Department of Labor, Labor Market Information Services. <http://www.maine.gov/labor/lmis/> (accessed September 2004).

[iii] James C. McConnon. "Maine Microenterprises and Employment Levels by County, 2001." Working paper, University of Maine Cooperative Extension, Orono, Maine, 2003.

<http://www.umext.maine.edu/topics/county2001.pdf> (accessed July 2004).

[iv] Ibid

[v] Maine Department of Economic and Community Development, in cooperation with the Kauffman Foundation. Promoting and Sustaining an Entrepreneurship-Based Economy in Maine. <http://www.state.me.us/decd/decdweb/OBDApril262003.htm> (accessed July 2004).

2. Scope of the Program

- Multistate Extension
- In-State Extension
- Multistate Integrated Research and Extension
- Integrated Research and Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

A growing number of Maine residents are considering starting a small business as a way of securing and sustaining a livable wage. There are also many established small businesses that have great potential to expand into new markets. Unfortunately, those interested in starting or expanding their own business are often unaware of the resources available to help them, and many lack the business management skills necessary to successfully evaluate potential business viability, and start and grow a small business. Many also lack the kinds of computer skills that, among other things, can offer access to much broader markets. Extension will collaborate with others to determine the most responsive and effective ways to market our resources and provide practical educational delivery methods and services.

2. Ultimate goal(s) of this Program

- Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
- Increase the economic and social viability and sustainability of Maine communities.
- Enhance the safety, sustainability, and dependability of Maine's food supply.
- Protect and enhance Maine's natural resources and environment through sustainable stewardship.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2008	4.8	0.0	0.4	0.0
2009	3.8	0.0	0.4	0.0
2010	4.0	0.0	0.4	0.0
2011	4.0	0.0	0.4	0.0
2012	3.7	0.0	0.5	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

- Consultations - Small and Home Based Business
- Eastern Maine Regional Business Regional Conference
- Governor's Regional Conferences on Small Business & Entrepreneurship Management Series
- National Home-Based and Micro Business Design Team
- Small and Home Based Business Education Clinic
- Small and Home Based Business Workshop Series

Tourism Economic Development: Inter-Organizational Consultation
 Tourism Economic Development - Community and Business Modules
 Tourism Economic Development: Information System
 Trade Area Analysis Program
 Virtual Resource Library
 Women's Agricultural Network Conference
 Women's Agricultural Network Member to Member Directory
 Women's Agricultural Network Strategic Plan

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Education Class ● One-on-One Intervention ● Other 1 (Collaborative or Cooperative Eff) ● Demonstrations ● Workshop ● Other 2 (Trade Area Analyses) ● Group Discussion 	<ul style="list-style-type: none"> ● Other 1 (Publication) ● Web sites

3. Description of targeted audience

Agricultural Producers (Adult)
 Business Owners - current (Adult)
 Business Owners - potential (Adult)
 Extension - all staff (Adult)
 Extension Faculty (Adult)
 Farmers (Adult)
 Forestland Owner - Non-Industrial (Adult)
 Small or Home-Based Business Owners - Current (Adult)
 Small or Home-Based Business Owners - Potential (Adult)
 Tourism Development Stakeholders (Adult)

V(G). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2008	3700	2150	65	0
2009	3800	2150	65	0
2010	1600	2150	65	0
2011	1600	2150	65	0
2012	1600	2150	65	0

2. (Standard Research Target) Number of Patents

Expected Patents

2008 :0 2009 :0 2010 :0 2011 :0 2012 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target
2008	0	0
2009	0	0
2010	0	0
2011	0	0
2012	0	0

V(H). State Defined Outputs

1. Output Target

- Direct - Conference or symposium; Planning and/or participation

2008 :302 2009 :2 2010 : 2 2011 :2 2012 :2

- Direct - Consultation; phone, written, in-person

2008 :362 2009 :281 2010 : 281 2011 :281 2012 :281

- Direct - Collaborative or Cooperative Effort

2008 :1 2009 :0 2010 : 0 2011 :0 2012 :0

- Direct - Group Presentation

2008 :10 2009 :10 2010 : 10 2011 :10 2012 :10

- Direct - Trade Area Analyses

2008 :5 2009 :5 2010 : 5 2011 :5 2012 :5

- Direct - Train-the-Trainer

2008 :1 2009 :1 2010 : 1 2011 :1 2012 :1

- Direct - Workshop - series

2008 :10 2009 :10 2010 : 10 2011 :10 2012 :10

- Direct - Workshop - single session

2008 :37 2009 :29 2010 : 29 2011 :29 2012 :26

- Indirect - Publication

2008 :10 2009 :10 2010 : 10 2011 :10 2012 :10

- Indirect - Website

2008 :1 2009 :1 2010 : 1 2011 :1 2012 :1

V(I). State Defined Outcome

1. Outcome Target

Access small business information

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :715 **2009 :** 265 **2010 :** 315 **2011 :**265 **2012 :** 365

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics

1. Outcome Target

Contact business assist organizations

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :105 **2009 :** 85 **2010 :** 85 **2011 :**85 **2012 :** 105

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics

1. Outcome Target

Demonstrate group, organizational, or personal leadership activities

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :50 **2009 :** 50 **2010 :** 50 **2011 :**50 **2012 :** 50

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 608 - Community Resource Planning and Development

1. Outcome Target

Describe the components of a business plan

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :145 **2009 :** 155 **2010 :** 155 **2011 :**155 **2012 :** 155

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation

- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics

1. Outcome Target

Describe the components of a customer service plan

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :100 2009 : 100 2010 : 100 2011 :100 2012 : 100

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics

1. Outcome Target

Describe the components of a marketing plan

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :135 2009 : 135 2010 : 135 2011 :135 2012 : 135

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics

1. Outcome Target

Describe the components of a profitable price

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :100 2009 : 100 2010 : 100 2011 :100 2012 : 100

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics

1. Outcome Target

Describe the components of a record-keeping system

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :150 **2009 :** 165 **2010 :** 165 **2011 :**150 **2012 :** 150

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics
- 801 - Individual and Family Resource Management

1. Outcome Target

Understand small business information

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :295 **2009 :** 225 **2010 :** 245 **2011 :**215 **2012 :** 275

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics

1. Outcome Target

Adopt business management practices

2. Outcome Type : Change in Action Outcome Measure

2008 :405 **2009 :** 205 **2010 :** 225 **2011 :**205 **2012 :** 185

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics

1. Outcome Target

Adopt record-keeping system

2. Outcome Type : Change in Action Outcome Measure

2008 :70 **2009 :** 70 **2010 :** 80 **2011 :**70 **2012 :** 60

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service

- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics
- 801 - Individual and Family Resource Management

1. Outcome Target

Conduct educational activities through cooperative or collaborative effort

2. Outcome Type : Change in Action Outcome Measure

2008 :22 2009 : 22 2010 : 22 2011 :22 2012 : 22

3. Associated Knowledge Area(s)

- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics

1. Outcome Target

Design and implement small business conference

2. Outcome Type : Change in Action Outcome Measure

2008 :203 2009 : 203 2010 : 203 2011 :203 2012 : 203

3. Associated Knowledge Area(s)

- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Develop a business plan

2. Outcome Type : Change in Action Outcome Measure

2008 :160 2009 : 160 2010 : 160 2011 :140 2012 : 140

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics

1. Outcome Target

Develop a financial plan

2. Outcome Type : Change in Action Outcome Measure

2008 :50 2009 : 40 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices

- 607 - Consumer Economics

1. Outcome Target

Develop a marketing plan

2. Outcome Type : Change in Action Outcome Measure

2008 :35 2009 : 35 2010 : 35 2011 :35 2012 : 35

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics

1. Outcome Target

Develop a pricing strategy

2. Outcome Type : Change in Action Outcome Measure

2008 :30 2009 : 30 2010 : 30 2011 :30 2012 : 30

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics

1. Outcome Target

Develop customer service plan

2. Outcome Type : Change in Action Outcome Measure

2008 :50 2009 : 50 2010 : 50 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics

1. Outcome Target

Develop marketing tools

2. Outcome Type : Change in Action Outcome Measure

2008 :55 2009 : 55 2010 : 55 2011 :55 2012 : 55

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics
- 608 - Community Resource Planning and Development

1. Outcome Target

Establish a business

2. Outcome Type : Change in Action Outcome Measure

2008 :28 2009 : 28 2010 : 28 2011 :28 2012 : 28

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Participate in networking opportunities

2. Outcome Type : Change in Action Outcome Measure

2008 :750 2009 : 350 2010 : 350 2011 :2600 2012 : 2600

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices

1. Outcome Target

Use relevant UMCE web-based resources

2. Outcome Type : Change in Action Outcome Measure

2008 :595 2009 : 595 2010 : 595 2011 :595 2012 : 595

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics
- 608 - Community Resource Planning and Development
- 801 - Individual and Family Resource Management

1. Outcome Target

Demonstrate how to complete a community tourism inventory

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :5 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation

1. Outcome Target

Describe the value of networks

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :205 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 602 - Business Management, Finance, and Taxation
- 608 - Community Resource Planning and Development

1. Outcome Target

Decide not to create non-viable business

2. Outcome Type : Change in Action Outcome Measure

2008 :5 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Develop tourism plan

2. Outcome Type : Change in Action Outcome Measure

2008 :5 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 608 - Community Resource Planning and Development

1. Outcome Target

Expand a business

2. Outcome Type : Change in Action Outcome Measure

2008 :5 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Form collaborative group

2. Outcome Type : Change in Action Outcome Measure

2008 :5 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 604 - Marketing and Distribution Practices
- 608 - Community Resource Planning and Development

1. Outcome Target

Increase business revenues

2. Outcome Type : Change in Action Outcome Measure

2008 :205 2009 : 205 2010 : 205 2011 :205 2012 : 205

3. Associated Knowledge Area(s)

- 604 - Marketing and Distribution Practices

1. Outcome Target

Inventory community assets

2. Outcome Type : Change in Action Outcome Measure

2008 :5 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

1. Outcome Target

Retain a business

2. Outcome Type : Change in Action Outcome Measure

2008 :5 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Transition a business to closure

2. Outcome Type : Change in Action Outcome Measure

2008 :2 2009 : 2 2010 : 2 2011 :2 2012 : 2

3. Associated Knowledge Area(s)

- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation

- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics
- 608 - Community Resource Planning and Development
- 801 - Individual and Family Resource Management

1. Outcome Target

Enhance the safety, sustainability and dependability of Maine's food supply.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics
- 801 - Individual and Family Resource Management

1. Outcome Target

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices
- 607 - Consumer Economics
- 608 - Community Resource Planning and Development
- 801 - Individual and Family Resource Management

1. Outcome Target

Protect and enhance Maine's natural resources and environment through sustainable.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 504 - Home and Commercial Food Service
- 602 - Business Management, Finance, and Taxation
- 604 - Marketing and Distribution Practices

- 607 - Consumer Economics
- 608 - Community Resource Planning and Development
- 801 - Individual and Family Resource Management

1. Outcome Target

Demonstrate Advanced business management skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :50 **2009 :** 0 **2010 :** 0 **2011 :**0 **2012 :** 0

3. Associated Knowledge Area(s)

- 602 - Business Management, Finance, and Taxation

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Government Regulations
- Economy
- Public Policy changes
- Appropriations changes
- Competing Programatic Challenges
- Natural Disasters (drought,weather extremes,etc.)
- Populations changes (immigration,new cultural groupings,etc.)
- Competing Public priorities

Description

{NO DATA ENTERED}

V(K). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- After Only (post program)

Description

Intentions for short-term evaluation: An end-of-program evaluation will be administered to assess initial knowledge and skill changes and establish a baseline of planned practice changes. Quantitative and qualitative methods may be used to assess program impacts.

Intentions for medium-term evaluation: Approximately six-months after each program, an evaluation will be conducted to assess medium-term knowledge, skill, and practice changes and measure initial program impacts. Quantitative and qualitative methods may be used to assess program impacts.

Intentions for long-term evaluation: Approximately one-year after each program, an evaluation will be conducted to assess long-term knowledge, skill and practice changes and to measure program impacts. Quantitative and qualitative methods may be used to assess program impacts.

2. Data Collection Methods

- Other (Email/Web surveys)
- Structured
- Mail

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)

1. Name of the Planned Program

Environmental Education - Sustainable Living

2. Brief summary about Planned Program

All life on Earth is dependent upon healthy ecosystems. Sustainable ecosystems are essential to healthy, sustainable economies. Global issues, such as global warming and overconsumption of resources, can be addressed at the local level through education and individual and collective action. Day camps, summer residential camps, leadership development programs, volunteer development programs, demonstrations, websites, and other methodologies will be used to establish strong connections between individuals and the natural world, and support their commitment to action.

3. Program existence : Mature (More than five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

- 111 10% Conservation and Efficient Use of Water
- 112 10% Watershed Protection and Management
- 123 10% Management and Sustainability of Forest Resources
- 134 10% Outdoor Recreation
- 135 5% Aquatic and Terrestrial Wildlife
- 136 5% Conservation of Biological Diversity
- 403 15% Waste Disposal, Recycling, and Reuse
- 703 5% Nutrition Education and Behavior
- 724 15% Healthy Lifestyle
- 801 15% Individual and Family Resource Management

V(C). Planned Program (Situation and Scope)

1. Situation and priorities

Nearly all the world’s ecosystems are shrinking to make way for humans and their homes, farms, malls and factories. It is no different in Maine. The industrial growth economy, driven in large part by consumerism, is not sustainable. Yet, social health has declined in the United States in the past 30 years, despite higher levels of consumption.

All economic activity, indeed all life, depends on the earth’s ecosystem. For economic progress to continue we have little choice but to restructure the economy to make it environmentally sustainable. Educating for a sustainable future involves learning to make decisions that consider the long-term economy, ecology and equity of all communities—learning how to anticipate the consequences of our actions.

A sustainable society is one that satisfies its needs without jeopardizing the prospects of future generations. National opinion surveys reveal that Americans do not understand the concepts involved in sustainable living, and they have little understanding of such pervasive issues as biodiversity, global warming and endangered species. This stands in startling contrast to the fact that the year 2002 was the second hottest (1998 was the hottest) since record keeping began in the 1880s, and that approximately 27,000 species worldwide are driven to extinction each year.

2. Scope of the Program

- In-State Extension
- Multistate Extension
- Integrated Research and Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

Sustainability will require a shift from an industrial growth economy to a life-sustaining society. Support mechanisms for sustainable living are needed in order to translate research information, introduce educational strategies, develop curricula and organize community action. An Extension network for sustainable living would empower individuals in communities to shape their own futures through an appropriate mix of education, group-process training and technical support.

2. Ultimate goal(s) of this Program

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness. Protect and enhance Maine's natural resources and environment through sustainable stewardship.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2008	3.9	0.0	0.3	0.0
2009	3.9	0.0	0.2	0.0
2010	3.9	0.0	0.2	0.0
2011	3.9	0.0	0.2	0.0
2012	3.9	0.0	0.2	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

- 4-H Day School Programs at Camp
- 4-H Earth Connections - Conducted on School Grounds
- 4-H Earth Connections - Overnight School Programs
- 4-H Earth Connections Summer Residential Camp
- Applied research project - topic to be determined
- Earth Connections Web Site
- Geographic Information Systems Community Mapping Project for Schools
- Green Camp Certification
- EE-SL programs and activities
- Outreach Conducted by Earth Connections Volunteers
- Tanglewood Board of Directors
- Tanglewood Day Camp
- Tanglewood Discovery Trips
- Vaughn Island 4-H Camp

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Education Class ● Workshop ● Demonstrations ● Other 2 (4-H Day Camp) ● Group Discussion ● Other 1 (Applied Research) 	<ul style="list-style-type: none"> ● Web sites

3. Description of targeted audience

- Adults with Disabilities (Adults)
- Community Members (Adult)
- Earth Connections Volunteers (Adult)
- Extension Professionals (Adult)
- General Public (Adult)
- Native Americans (Adult)
- Teachers (Adult)
- Volunteers (Adult)
- Youth Educators (Adult)
- 4-H Leaders (Youth)
- 4-H Members (Youth)
- 4-H Special Interest or Short-Term Program Participants (Youth)
- Community Members (Youth)
- School Enrichment Program Participants (Youth)
- Youth (Youth)

V(G). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2008	950	405	4626	100
2009	970	410	4626	100
2010	980	420	4626	100
2011	990	252	4626	100
2012	990	252	4626	100

2. (Standard Research Target) Number of Patents

Expected Patents

2008 :0 2009 :0 2010 :0 2011 :0 2012 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target
2008	0	0
2009	0	0
2010	0	0
2011	0	0
2012	0	0

V(H). State Defined Outputs

1. Output Target

- Direct - Volunteer Training

2008 :8 2009 :10 2010 : 10 2011 :10 2012 :10

- Direct - Train-the-Trainer

2008 :1 2009 :2 2010 : 2 2011 :2 2012 :2

- Direct - 4-H Overnight Camp

2008 :35 2009 :35 2010 : 35 2011 :35 2012 :35

- Direct - 4-H Day Camp

2008 :71 2009 :71 2010 : 71 2011 :71 2012 :71

- Direct - Public Presentation

2008 :30 2009 :30 2010 : 30 2011 :30 2012 :30

- Direct - Demonstration Project

2008 :25 2009 :25 2010 : 25 2011 :25 2012 :25

- Direct - Management teams

2008 :15 2009 :15 2010 : 15 2011 :15 2012 :15

- Direct - 4-H School Enrichment

2008 :15 2009 :15 2010 : 15 2011 :15 2012 :15

- Direct - Applied Research

2008 :1 2009 :1 2010 : 1 2011 :1 2012 :1

- Direct - Collaborative or Cooperative Effort

2008 :10 2009 :10 2010 : 10 2011 :10 2012 :10

- Indirect - Website

2008 :2

2009 :2

2010 :2

2011 :1

2012 :1

V(I). State Defined Outcome

1. Outcome Target

Develop skills that promote healthy relationships

2. Outcome Type : Change in Action Outcome Measure

2008 :1520

2009 : 1520

2010 : 1520

2011 :1520

2012 : 1520

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Increase use of Maine-produced natural resources

2. Outcome Type : Change in Action Outcome Measure

2008 :30

2009 : 30

2010 : 30

2011 :30

2012 : 30

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation

1. Outcome Target

Make better decision regarding natural resource management

2. Outcome Type : Change in Action Outcome Measure

2008 :115

2009 : 135

2010 : 155

2011 :155

2012 : 155

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity

1. Outcome Target

Make better decisions regarding healthy lifestyle

2. Outcome Type : Change in Action Outcome Measure

2008 :700

2009 : 700

2010 : 700

2011 :700

2012 : 700

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Organize community coalitions and working groups

2. Outcome Type : Change in Action Outcome Measure

2008 :25

2009 : 25

2010 : 25

2011 :25

2012 : 25

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior

1. Outcome Target

Promote healthy relationships

2. Outcome Type : Change in Action Outcome Measure

2008 :25 2009 : 25 2010 : 25 2011 :25 2012 : 25

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Protect or conserve biodiversity and habitat including native plant and animal species

2. Outcome Type : Change in Action Outcome Measure

2008 :30 2009 : 30 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity

1. Outcome Target

Use new technologies

2. Outcome Type : Change in Action Outcome Measure

2008 :110 2009 : 110 2010 : 110 2011 :110 2012 : 110

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity
- 403 - Waste Disposal, Recycling, and Reuse
- 724 - Healthy Lifestyle

1. Outcome Target

Demonstrate basic facilitation skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 40 2010 : 60 2011 :60 2012 : 60

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle

1. Outcome Target

Demonstrate effective practices in leadership roles

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :25 **2009** : 25 **2010** : 25 **2011** :25 **2012** : 25

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Demonstrate effective relationship skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :100 **2009** : 100 **2010** : 100 **2011** :100 **2012** : 100

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Demonstrate healthy lifestyle choices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :25 **2009** : 25 **2010** : 25 **2011** :25 **2012** : 25

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Demonstrate how to assess the impact of your lifestyle

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :60 **2009** : 80 **2010** : 80 **2011** :80 **2012** : 80

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation

1. Outcome Target

Demonstrate how to identify native flora and fauna.

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :100 **2009** : 120 **2010** : 120 **2011** :120 **2012** : 120

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation

1. Outcome Target

Demonstrate how to identify non-native invasive species

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 **2009** : 20 **2010** : 25 **2011** :25 **2012** : 25

3. Associated Knowledge Area(s)

- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity

1. Outcome Target

Demonstrate how to use technology

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :110 2009 : 110 2010 : 110 2011 :110 2012 : 110

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity
- 403 - Waste Disposal, Recycling, and Reuse
- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management

1. Outcome Target

Demonstrate sustainable living principles and practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :60 2009 : 80 2010 : 80 2011 :80 2012 : 80

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 136 - Conservation of Biological Diversity
- 403 - Waste Disposal, Recycling, and Reuse
- 724 - Healthy Lifestyle

1. Outcome Target

Describe aspirations to contribute to ecological health and biodiversity

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :70 2009 : 70 2010 : 70 2011 :70 2012 : 70

3. Associated Knowledge Area(s)

- 136 - Conservation of Biological Diversity

1. Outcome Target

Describe community service and outreach opportunities

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Describe ecological principles

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :1720 **2009 :** 1720 **2010 :** 1720 **2011 :**1720 **2012 :** 1720

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle

1. Outcome Target

Describe effective group work and leadership

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :1720 **2009 :** 1720 **2010 :** 1720 **2011 :**1720 **2012 :** 1720

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation

1. Outcome Target

Describe forest ecosystem processes

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :85 **2009 :** 100 **2010 :** 105 **2011 :**105 **2012 :** 105

3. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources

1. Outcome Target

Describe freshwater ecosystem processes

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :70 **2009 :** 90 **2010 :** 90 **2011 :**90 **2012 :** 90

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management

1. Outcome Target

Describe healthy lifestyle choices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :700 **2009 :** 700 **2010 :** 700 **2011 :**700 **2012 :** 700

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Describe how to integrate regular physical activity into daily lives in a variety of ways

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :25 **2009 :** 25 **2010 :** 25 **2011 :**25 **2012 :** 25

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Describe management strategies for forest ecosystems

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :60 2009 : 80 2010 : 80 2011 :80 2012 : 80

3. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources

1. Outcome Target

Describe management strategies for freshwater ecosystems

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :40 2009 : 60 2010 : 60 2011 :60 2012 : 60

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management

1. Outcome Target

Describe management strategies for marine ecosystems

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 30 2010 : 30 2011 :30 2012 : 30

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management

1. Outcome Target

Describe marine ecosystem processes

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :110 2009 : 130 2010 : 130 2011 :130 2012 : 130

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management

1. Outcome Target

Describe self as part of the web of life

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :3120 2009 : 3120 2010 : 3120 2011 :3120 2012 : 3120

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle

1. Outcome Target

Describe styles of leadership and their appropriate application

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :30 **2009** : 30 **2010** : 30 **2011** :30 **2012** : 30

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle

1. Outcome Target

Describe sustainable living principles and practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :740 **2009** : 740 **2010** : 740 **2011** :740 **2012** : 740

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 403 - Waste Disposal, Recycling, and Reuse
- 724 - Healthy Lifestyle

1. Outcome Target

Describe the ecosystems where they live

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :2445 **2009** : 2445 **2010** : 2445 **2011** :2445 **2012** : 2445

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle

1. Outcome Target

Describe the elements of effective group work

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :25 **2009** : 25 **2010** : 25 **2011** :25 **2012** : 25

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 801 - Individual and Family Resource Management

1. Outcome Target

Describe the laws of ecology

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :2435 **2009** : 2435 **2010** : 2445 **2011** :2445 **2012** : 2445

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 136 - Conservation of Biological Diversity

1. Outcome Target

Describe the principles of biodiversity and the form and function of ecosystems

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :15 **2009 :** 15 **2010 :** 15 **2011 :**20 **2012 :** 20

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 136 - Conservation of Biological Diversity

1. Outcome Target

Describe ways to observe, explore, and experience nature

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :1745 **2009 :** 1745 **2010 :** 1745 **2011 :**1745 **2012 :** 1745

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation

1. Outcome Target

Develop an action plan or results planning document

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :60 **2009 :** 80 **2010 :** 100 **2011 :**120 **2012 :** 120

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 136 - Conservation of Biological Diversity
- 801 - Individual and Family Resource Management

1. Outcome Target

Adopt appropriate practices

2. Outcome Type : Change in Action Outcome Measure

2008 :90 **2009 :** 100 **2010 :** 100 **2011 :**100 **2012 :** 100

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity
- 403 - Waste Disposal, Recycling, and Reuse
- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management

1. Outcome Target

Adopt environmentally sound practices

2. Outcome Type : Change in Action Outcome Measure

2008 :1520 **2009 :** 1520 **2010 :** 1520 **2011 :**1520 **2012 :** 1520

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Adopt lower impact lifestyles

2. Outcome Type : Change in Action Outcome Measure

2008 :730 **2009 :** 730 **2010 :** 730 **2011 :**730 **2012 :** 730

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle

1. Outcome Target

Conduct community service or outreach

2. Outcome Type : Change in Action Outcome Measure

2008 :280 **2009 :** 300 **2010 :** 320 **2011 :**340 **2012 :** 340

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Create and sustain effective partnerships and collaborations

2. Outcome Type : Change in Action Outcome Measure

2008 :25 **2009 :** 25 **2010 :** 25 **2011 :**25 **2012 :** 25

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management

1. Outcome Target

Create demonstration model

2. Outcome Type : Change in Action Outcome Measure

2008 :100 **2009 :** 20 **2010 :** 20 **2011 :**20 **2012 :** 20

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 136 - Conservation of Biological Diversity
- 703 - Nutrition Education and Behavior

1. Outcome Target

Create learning opportunities based on principles of positive human development

2. Outcome Type : Change in Action Outcome Measure

2008 :700 2009 : 700 2010 : 700 2011 :700 2012 : 700

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Develop a sense of belonging to a community

2. Outcome Type : Change in Action Outcome Measure

2008 :180 2009 : 180 2010 : 180 2011 :180 2012 : 180

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Develop environmentally sound technologies and practices

2. Outcome Type : Change in Action Outcome Measure

2008 :25 2009 : 25 2010 : 25 2011 :25 2012 : 25

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 134 - Outdoor Recreation
- 136 - Conservation of Biological Diversity

1. Outcome Target

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity
- 403 - Waste Disposal, Recycling, and Reuse
- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management

1. Outcome Target

Protect and enhance Maine's natural resources and environment through sustainable.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 **2009 : 0** **2010 : 0** **2011 :0** **2012 : 0**

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity
- 403 - Waste Disposal, Recycling, and Reuse
- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management

1. Outcome Target

Describe ways of applying a mindfulness practice in their own lives

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 **2009 : 20** **2010 : 20** **2011 :20** **2012 : 20**

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle

1. Outcome Target

Protect or conserve biodiversity and habitat including native plant and animal species

2. Outcome Type : Change in Action Outcome Measure

2008 :30 **2009 : 30** **2010 : 40** **2011 :40** **2012 : 40**

3. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity

1. Outcome Target

Secure resources

2. Outcome Type : Change in Action Outcome Measure

2008 :10 **2009 : 20** **2010 : 20** **2011 :20** **2012 : 20**

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

1. Outcome Target

Support and mentor others in leadership roles

2. Outcome Type : Change in Action Outcome Measure

2008 :25 2009 : 25 2010 : 25 2011 :25 2012 : 25

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle

1. Outcome Target

Use services of natural resource professionals

2. Outcome Type : Change in Action Outcome Measure

2008 :25 2009 : 25 2010 : 25 2011 :25 2012 : 25

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Competing Programatic Challenges
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Natural Disasters (drought,weather extremes,etc.)
- Economy
- Appropriations changes
- Populations changes (immigration,new cultural groupings,etc.)

Description

Intentions for short-term evaluation: Pre- and post-program participant evaluations as appropriate, tracking use of web resources and requests for publications.

Intentions for medium-term evaluation: Follow-up survey of program participants as appropriate to assess how knowledge/skills gained are being applied, using surveys.

Intentions for long-term evaluation: Follow up community-level survey to asses progress made in relation to goals set, using surveys.

V(K). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- During (during program)
- Before-After (before and after program)

Description

Intentions for short-term evaluation: Pre- and post-program participant evaluations as appropriate, tracking use of web resources and requests for publications.

Intentions for medium-term evaluation: Follow-up survey of program participants as appropriate to assess how knowledge/skills

gained are being applied, using surveys.

Intentions for long-term evaluation: Follow up community-level survey to asses progress made in relation to goals set, using surveys.

2. Data Collection Methods

- Other (Email/Web Surveys)
- Mail
- On-Site

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)**1. Name of the Planned Program**

Family Relations and Transitions

2. Brief summary about Planned Program

Strong families are essential to the well-being of our children and our communities, regardless of how they are configured or what transitions they are experiencing. Core to strong families are good relational skills and parenting skills. Families exist in the context of community, culture, and society, each of which influences the development of individuals. Workshops, home visits, publications, and other methods are used to teach parenting, babysitting, financial management, and media literacy skills to 4-H volunteers, agency staff, parents, teachers, and families. Programs like the Gender Project and Turn Beauty Inside Out seek to engage whole communities in raising strong, healthy, whole young people.

3. Program existence : Mature (More than five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)**1. Program Knowledge Areas and Percentage**

- 801 20% Individual and Family Resource Management
- 802 20% Human Development and Family Well-Being
- 803 60% Sociological and Technological Change Affecting Individuals, Families and Communities

V(C). Planned Program (Situation and Scope)**1. Situation and priorities**

The National Extension Parent Education Model states that “parents experience special pressure today not faced by previous generations . . . a majority of American adults, regardless of age, race, marital or parental status believe that it is harder to be a parent today than it used to be.” Today’s parents often are uncertain about the right thing to do in raising their children.[i]

Many new parents have unexpected conflict after the birth of a first child. This leads to arguing, giving and receiving less affection, doubting their feelings for each other, and feeling unsure about their relationship. More than at any other stage of family life, thoughts of divorce are more frequent after the birth of a baby and when there are preschoolers at home.[ii] Forty-two percent of divorces involving parents take place before their first child leaves kindergarten. Almost 15 percent of these parents end their marriage before their children reach 18 months of age.[iii] Seven out of ten couples have reported a decrease in the level of communication after they become parents. For half of these couples, this became permanent.[iv] Much of the decrease in satisfaction with marriage after the birth of a child is because of role conflicts.[v]

We are now a nation in which the majority of families are divorced; two out of three marriages taking place with adults under age 30 end in divorce.[vi] The average marriage in America lasts only seven years. While the impact of divorce is still being hotly debated, new research suggests that the differences between children from divorced homes and children from non-divorced homes are not as great as frequently reported.[vii]The critical factor in how divorce affects children is how the adults manage the stress of separation.

[i] Charles A. Smith, Dorothea Cudabeck, H. Wallace Goddard and Judith A. Myers-Walls, *The National Extension Parent Education Model* (Manhattan, KS: Kansas Cooperative Extension Service, 1994), 7.

[ii] Rhonda Kruse Nordin, *After the Baby: Making Sense of Marriage After Childbirth* (Dallas: Taylor Publishing, 2000).

[iii] United States Bureau of Census, “Marriage, Divorce and Remarriage in the 1990s,” *Current Populations Reports* (Washington DC: United States Government Printing Office), 23-180.

[iv] Jay Belsky and John Kelly, *The Transition to Parenthood: How a First Child Changes a Marriage* (New York: Delacourte Press, 1994).

[v] Jean Twenge, W. Keith Campbell and Craig A. Foster, “Parenthood and Marital Satisfaction: A Meta-Analytic Review,” *Journal of Marriage and Family* 65(August 2003), 574-583.

[vi] U.S. Census.

[vii] Paul R. Amato, “Reconciling Divergent Perspectives: Judith Wallerstein, Quantitative

2. Scope of the Program

- Multistate Integrated Research and Extension
- In-State Extension
- Multistate Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

Effective parenting can be learned by people of all ages. Therefore, special attention must be given to supporting and strengthening the skills of parents, parents-to-be and all adults who care for children by teaching critical parenting practices. We also need to pay particular attention to the needs of stepfamilies and those families experiencing divorce and other role transitions. While the controversy regarding whether the negative impact of divorce on children can be mitigated continues, divorcing parents do benefit from intervention programming. For instance, prevention programming for custodial mothers has the potential to reduce psychological distress.[i]

Specific goals and objectives need to be set by communities, based on their needs and the availability of educators to address those needs. To suggest statewide goals at this point either makes them too broad to be evaluated or is self-defeating, prescribing the solution before the issue has been discussed, debated and clearly defined.

[i] Rachel A. Haine, Irwin N. Sandler, Sharlene A. Wolchik, Jenn-Yun Tein and Spring R. Dawson-McClure, "Changing the Legacy of Divorce: Evidence From Prevention Programs and Future Directions," Family Relations 52 (2003), 397-405.

2. Ultimate goal(s) of this Program

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness. Increase the economic and social viability and sustainability of Maine communities.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2008	7.3	0.0	0.4	0.0
2009	7.3	0.0	0.1	0.0
2010	5.1	0.0	0.1	0.0
2011	5.1	0.0	0.1	0.0
2012	5.1	0.0	0.2	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

- 4-H Volunteer Development - Volunteer Training
- Applied Research - Gender Education
- Caring for Kids - Baby Sitting Training for Youth
- Collaborative Relationships with Community Organizations
- Consultations - Gender Education
- Family Development
- Gender Project and Turn Beauty Inside Out
- Gender Project Train-the-Trainer Workshops
- Grandma's Yellow Pie Plate
- Home Visits with New Parents
- Infant Mental Health Professional Development Opportunities
- Leadership to Collaborative Groups to Improve and Expand Maine's Home Visiting System

Marketing/Media Efforts to Influence Parent Purchases for Children
 Media Literacy Workshops
 Mentor and Provide Technical Assistance to Home Visiting Program Managers
 Newsletter - Money Sense
 Parent Education Training
 Parent Educator Training
 Parenting Newsletter
 Parenting Through Separation and Divorce
 Professional Development for Home Visitors
 Project Collaborations - Gender Education
 Recruit, Educate and Match Volunteer Mentors with Adolescent Parents
 Resource Development - Gender Education
 Strengthening Stepfamilies
 Women's Leadership Retreats
 Training Opportunities for Parent Educators
 Turn Beauty Inside Out Workshops
 Turn Beauty Inside Out Network Meetings
 Volunteer Support - 4-H Youth Development

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Workshop ● Demonstrations ● Group Discussion ● Education Class ● One-on-One Intervention ● Other 1 (Conference or symposium) 	<ul style="list-style-type: none"> ● Other 1 (Applied Research) ● Newsletters

3. Description of targeted audience

4-H Volunteers (Adult)
 Agency Staff or Professionals (Adult)
 Care Providers for Children (Adult)
 Coalition Members (Adult)
 Community Leaders (Adult)
 Community Members (Adult)
 Community Organization Members or Staff (Adult)
 Families (Adult)
 General Public (Adult)
 Parent Educators (Adult)
 Parents (Adult)
 Teachers (Adult)
 Volunteers (Adult)
 Families (Youth)
 Youth (Youth)

V(G). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2008	1350	718	75	0
2009	1350	818	80	0
2010	1350	918	45	0
2011	1350	918	50	0
2012	1350	918	50	0

2. (Standard Research Target) Number of Patents

Expected Patents

2008 :0 2009 :0 2010 :0 2011 :0 2012 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target
2008	0	0
2009	0	0
2010	0	0
2011	0	0
2012	0	0

V(H). State Defined Outputs

1. Output Target

- Direct - Experiential Learning

2008 :4 2009 :4 2010 :4 2011 :4 2012 :4

- Direct - Applied Research

2008 :1 2009 :1 2010 :0 2011 :0 2012 :0

- Direct - Collaborative or Cooperative Effort

2008 :16 2009 :16 2010 :16 2011 :16 2012 :16

- Direct - Conference or symposium; Planning and/or participation

2008 :3 2009 :3 2010 :3 2011 :3 2012 :3

- Direct - Consultation; phone, written, in-person

2008 :760 2009 :760 2010 :470 2011 :470 2012 :470

- Direct - Group Presentation

	2008 :16	2009 :16	2010 : 16	2011 :16	2012 :16
● Direct - Public Presentation					
	2008 :10	2009 :10	2010 : 10	2011 :10	2012 :10
● Direct - Train-the-Trainer					
	2008 :34	2009 :34	2010 : 34	2011 :34	2012 :34
● Direct - Volunteer Training					
	2008 :20	2009 :21	2010 : 21	2011 :21	2012 :21
● Direct - Workshop - series					
	2008 :9	2009 :10	2010 : 7	2011 :7	2012 :7
● Indirect - Publication - curriculum					
	2008 :3	2009 :3	2010 : 3	2011 :3	2012 :3
● Indirect - Publication - newsletter					
	2008 :450	2009 :550	2010 : 650	2011 :650	2012 :650
● Indirect - Written or e-mail response to Client Request					
	2008 :50	2009 :50	2010 : 50	2011 :50	2012 :50

V(I). State Defined Outcome

1. Outcome Target

Demonstrate age-appropriate preventive health practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :184	2009 : 120	2010 : 120	2011 :120	2012 : 120
------------------	-------------------	-------------------	------------------	-------------------

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate age-appropriate relationship skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :400	2009 : 410	2010 : 380	2011 :380	2012 : 380
------------------	-------------------	-------------------	------------------	-------------------

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate age-appropriate tasks and needs

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :210 **2009 :** 220 **2010 :** 190 **2011 :**190 **2012 :** 190

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate conflict management or mediation skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :90 **2009 :** 105 **2010 :** 110 **2011 :**115 **2012 :** 115

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate effective mentoring or coaching skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :92 **2009 :** 102 **2010 :** 112 **2011 :**117 **2012 :** 117

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate healthy lifestyle practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :208 **2009 :** 208 **2010 :** 170 **2011 :**170 **2012 :** 170

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate how to care for and nurture others

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :60 **2009 :** 70 **2010 :** 70 **2011 :**70 **2012 :** 70

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate how to communicate effectively

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :80 2009 : 90 2010 : 100 2011 :105 2012 : 105

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate how to create safe spaces

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :70 2009 : 75 2010 : 80 2011 :80 2012 : 80

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate how to develop a budget to meet financial goals

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :30 2009 : 40 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

1. Outcome Target

Demonstrate how to distinguish between "needs" and "wants"

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :30 2009 : 40 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

1. Outcome Target

Demonstrate how to keep good records

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :30 2009 : 40 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

1. Outcome Target

Demonstrate how to make informed financial decisions

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :110 2009 : 120 2010 : 120 2011 :120 2012 : 120

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

1. Outcome Target

Demonstrate how to promote competence

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :32 2009 : 37 2010 : 42 2011 :42 2012 : 42

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being

1. Outcome Target

Demonstrate how to respect others

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :100 2009 : 110 2010 : 120 2011 :125 2012 : 125

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate how to respond to an emergency situation

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :30 2009 : 40 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

1. Outcome Target

Demonstrate how to support development of whole people

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :270 2009 : 270 2010 : 270 2011 :270 2012 : 270

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate positive engagement in their communities

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :60 2009 : 65 2010 : 70 2011 :75 2012 : 75

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Describe age-appropriate safety practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :170 **2009 :** 170 **2010 :** 170 **2011 :**170 **2012 :** 170

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Describe effective group work and leadership

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :35 **2009 :** 40 **2010 :** 30 **2011 :**30 **2012 :** 30

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Describe elements of safe environments in homes, schools, or communities

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 **2009 :** 25 **2010 :** 30 **2011 :**30 **2012 :** 30

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Describe gender stereotypes and their effects

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :390 **2009 :** 390 **2010 :** 390 **2011 :**390 **2012 :** 390

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Describe the components of a record-keeping system

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :50 **2009 :** 50 **2010 :** 50 **2011 :**50 **2012 :** 50

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

1. Outcome Target

Describe the elements of safe spaces

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :260 **2009 :** 260 **2010 :** 260 **2011 :**260 **2012 :** 260

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Describe the essential factors regarding human development principles

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :28 **2009 :** 33 **2010 :** 38 **2011 :**38 **2012 :** 38

3. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Describe the impact of cultural and media messages

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :370 **2009 :** 370 **2010 :** 370 **2011 :**370 **2012 :** 370

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Adopt record-keeping system

2. Outcome Type : Change in Action Outcome Measure

2008 :150 **2009 :** 200 **2010 :** 200 **2011 :**200 **2012 :** 200

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

1. Outcome Target

Balance roles, responsibilities, and stress

2. Outcome Type : Change in Action Outcome Measure

2008 :130 **2009 :** 140 **2010 :** 140 **2011 :**140 **2012 :** 140

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Conduct community-based education that encourages healthy individual and family behaviors

2. Outcome Type : Change in Action Outcome Measure

2008 :160 **2009 :** 160 **2010 :** 130 **2011 :**130 **2012 :** 130

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Create learning opportunities based on principles of positive human development

2. Outcome Type : Change in Action Outcome Measure

2008 :410 **2009 :** 430 **2010 :** 400 **2011 :**405 **2012 :** 405

3. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Create safe and empowering learning opportunities

2. Outcome Type : Change in Action Outcome Measure

2008 :115 **2009 :** 125 **2010 :** 135 **2011 :**140 **2012 :** 140

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Create sustainable networks

2. Outcome Type : Change in Action Outcome Measure

2008 :5 **2009 :** 5 **2010 :** 5 **2011 :**5 **2012 :** 5

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

1. Outcome Target

Develop a financial plan

2. Outcome Type : Change in Action Outcome Measure

2008 :300 **2009 :** 350 **2010 :** 350 **2011 :**350 **2012 :** 350

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

1. Outcome Target

Develop and apply policies or practices that create safe, healthy physical environments

2. Outcome Type : Change in Action Outcome Measure

2008 :50 **2009 :** 65 **2010 :** 70 **2011 :**70 **2012 :** 70

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Develop and apply policies or practices that create safe, healthy psychological environments

2. Outcome Type : Change in Action Outcome Measure

2008 :83 **2009 :** 93 **2010 :** 103 **2011 :**108 **2012 :** 108

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Develop literacy and critical thinking skills

2. Outcome Type : Change in Action Outcome Measure

2008 :100 **2009 :** 100 **2010 :** 100 **2011 :**100 **2012 :** 100

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Develop skills that promote healthy relationships

2. Outcome Type : Change in Action Outcome Measure

2008 :314 **2009 :** 334 **2010 :** 310 **2011 :**310 **2012 :** 310

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Engage in leadership development

2. Outcome Type : Change in Action Outcome Measure

2008 :120 **2009 :** 120 **2010 :** 120 **2011 :**120 **2012 :** 120

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Make better decisions

2. Outcome Type : Change in Action Outcome Measure

2008 :300 **2009 :** 300 **2010 :** 300 **2011 :**300 **2012 :** 300

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Make better decisions using accurate records

2. Outcome Type : Change in Action Outcome Measure

2008 :30 2009 : 40 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

1. Outcome Target

Manage community resources

2. Outcome Type : Change in Action Outcome Measure

2008 :50 2009 : 50 2010 : 50 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

1. Outcome Target

Model positive group behavior to others

2. Outcome Type : Change in Action Outcome Measure

2008 :130 2009 : 140 2010 : 140 2011 :140 2012 : 140

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Organize conferences or other learning opportunities

2. Outcome Type : Change in Action Outcome Measure

2008 :2 2009 : 2 2010 : 2 2011 :2 2012 : 2

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Use literacy and critical thinking skills

2. Outcome Type : Change in Action Outcome Measure

2008 :138 2009 : 148 2010 : 148 2011 :148 2012 : 148

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Use relevant UMCE web-based resources

2. Outcome Type : Change in Action Outcome Measure

2008 :280 **2009 :** 290 **2010 :** 290 **2011 :**290 **2012 :** 290

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 **2009 :** 0 **2010 :** 0 **2011 :**0 **2012 :** 0

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Increase the economic and social viability and sustainability of Maine communities.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 **2009 :** 0 **2010 :** 0 **2011 :**0 **2012 :** 0

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Provide learning opportunities for groups or organizations

2. Outcome Type : Change in Action Outcome Measure

2008 :50 **2009 :** 50 **2010 :** 50 **2011 :**50 **2012 :** 50

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Reduce or eliminate gender stereotyping

2. Outcome Type : Change in Action Outcome Measure

2008 :160 **2009 :** 160 **2010 :** 160 **2011 :**160 **2012 :** 160

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Teach others to take leadership and facilitation roles

2. Outcome Type : Change in Action Outcome Measure

2008 :80 2009 : 90 2010 : 100 2011 :105 2012 : 105

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Treat all people with dignity and respect

2. Outcome Type : Change in Action Outcome Measure

2008 :220 2009 : 240 2010 : 250 2011 :255 2012 : 255

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate a postive attitude toward safety

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :30 2009 : 40 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate basic facilitation skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate effective collaboration skills and techniques

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :7 2009 : 7 2010 : 7 2011 :7 2012 : 7

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate how to allocate scarce or limited resources

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :30 2009 : 40 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

1. Outcome Target

Demonstrate how to create educational situations that honor all learning styles

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :8 2009 : 8 2010 : 8 2011 :8 2012 : 8

3. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate how to effectively lead organizations or community groups

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :5 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Describe diversity

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :8 2009 : 8 2010 : 8 2011 :8 2012 : 8

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Confront disrespectful behaviors

2. Outcome Type : Change in Action Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being

1. Outcome Target

Create and sustain effective partnerships and collaborations

2. Outcome Type : Change in Action Outcome Measure

2008 :36 2009 : 36 2010 : 26 2011 :26 2012 : 26

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

1. Outcome Target

Create new media

2. Outcome Type : Change in Action Outcome Measure

2008 :5 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

1. Outcome Target

Develop a shared vision for the future

2. Outcome Type : Change in Action Outcome Measure

2008 :3 2009 : 3 2010 : 3 2011 :3 2012 : 3

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Have "real" conversations about gender issues and limits of stereotypes

2. Outcome Type : Change in Action Outcome Measure

2008 :50 2009 : 50 2010 : 50 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Support and mentor others in leadership roles

2. Outcome Type : Change in Action Outcome Measure

2008 :7 2009 : 7 2010 : 7 2011 :7 2012 : 7

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Competing Programatic Challenges
- Economy
- Appropriations changes
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Natural Disasters (drought,weather extremes,etc.)
- Populations changes (immigration,new cultural groupings,etc.)

Description

{NO DATA ENTERED}

V(K). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- Before-After (before and after program)
- During (during program)
- Case Study
- Time series (multiple points before and after program)

Description

Intentions for short-term evaluation: Pre- and post-event evaluation of acquired skills and knowledge using surveys.

Intentions for medium-term evaluation: Evaluation of changes in behavior, practice, decision-making, policy, and social action using follow-up phone calls, self-reporting, surveys, focus groups, case studies.

Intentions for long-term evaluation: Data collection related to long-term impact using case studies.

2. Data Collection Methods

- Telephone
- Structured
- Other (Email/Web surveys)
- On-Site
- Case Study

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)**1. Name of the Planned Program**

Food Safety

2. Brief summary about Planned Program

Food safety programs seek to address two major needs – keeping foods free from harmful chemicals and residues, and protecting foods from contamination. Food safety is a concern from production through harvest, processing, purchase, preparation, and serving. Programs are tailored to the sector of the food system being addressed and the issues encountered by that sector. From commercial producers and processors to home gardeners and canners, a variety of educational methods will be used to engage clients in acquiring and applying new knowledge and skills in keeping food safe.

3. Program existence : Mature (More than five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)**1. Program Knowledge Areas and Percentage**

- 501 15% New and Improved Food Processing Technologies
- 502 5% New and Improved Food Products
- 504 20% Home and Commercial Food Service
- 704 20% Nutrition and Hunger in the Population
- 711 20% Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 20% Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxins

V(C). Planned Program (Situation and Scope)**1. Situation and priorities**

The Centers for Disease Control and Prevention (CDC) estimates that food-borne diseases cause approximately 76 million illnesses, 325,000 hospitalizations and 5,000 deaths in the United States each year. Known pathogens account for an estimated 14 million illnesses, 60,000 hospitalizations and 1,800 deaths. Three pathogens, Salmonella, Listeria, and Toxoplasma, are responsible for 1,500 deaths each year—more than 75 percent of those caused by known pathogens—while unknown agents account for the remaining 62 million illnesses, 265,000 hospitalizations and 3,200 deaths. Overall, food-borne diseases appear to cause more illnesses, but fewer deaths, than previously estimated.

Food-borne illness is much more serious in terms of both duration and severity in the very young and the very old. As the American population ages, this segment of Maine's society will become the most vulnerable. State food regulations allow Maine citizens to produce food for sale in their home. Helping these entrepreneurs to be profitable, competitive and sustainable, while still producing safe products, will greatly enhance economic growth in the state.

2. Scope of the Program

- Multistate Integrated Research and Extension
- In-State Extension
- Multistate Research
- Integrated Research and Extension

V(D). Planned Program (Assumptions and Goals)**1. Assumptions made for the Program**

The existing collaborative work with state and federal agencies must be strengthened and enhanced to fulfill national food safety and quality initiatives, including an active participation in the homeland security process to protect our food supply, ensure its safety and have an effective strategy for response should a challenge to food security occur.

2. Ultimate goal(s) of this Program

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
 Enhance the safety, sustainability, and dependability of Maine's food supply.
 Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2008	2.2	0.0	0.4	0.0
2009	2.2	0.0	0.4	0.0
2010	2.2	0.0	0.4	0.0
2011	2.2	0.0	0.4	0.0
2012	2.2	0.0	0.4	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

Applied Research in Food Processing Safety
 Consultation - Food Safety and Food Preservation
 Cooking for a Crowd
 EFNEP Food Safety
 Fight Foodborne Illness
 Food Cupboard Coalition
 Food Preservation and Nutrition Call Team
 Food Preservation Workshops
 Food Safety Fun Kits
 Good Agricultural Practices (GAP II)
 Health Fair Related to Nutrition
 Maine Cattle Health Assurance Program
 Maine Family Nutrition Program Food Safety
 Piscataquis Public Health Coalition
 Pressure Gauge Testing
 Safety Zone

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● One-on-One Intervention ● Group Discussion ● Demonstrations ● Education Class ● Other 1 (Applied Research) ● Other 2 (Collaborative or Cooperative Eff) ● Workshop 	<ul style="list-style-type: none"> ● Web sites ● Newsletters

3. Description of targeted audience

- Agricultural Producers (Adult)
- Business Owners - current (Adult)
- Care Providers for Children (Adult)
- Commercial Aquaculturalists (Adult)
- Commercial Dairy Producers (Adult)
- Community Members (Adult)
- Extension Homemakers (Adult)
- Food Stamp Recipients (Adult)
- General Public (Adult)
- Home Gardeners (Adult)
- Limited Income Public (Adult)
- Nutrition Aides (Adult)
- Veterinarians (Adult)
- Consumers (Adult)
- Food Stamp Youth (Youth)
- Limited Income Public (Youth)

V(G). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2008	2120	1050	2060	0
2009	1360	1050	2060	0
2010	1375	1050	2060	0
2011	1410	1050	2060	0
2012	1410	1050	2060	0

2. (Standard Research Target) Number of Patents

Expected Patents

2008 :0 2009 :0 2010 : 0 2011 : 0 2012 : 0

3. Expected Peer Review Publications

Year	Research Target	Extension Target
2008	0	0
2009	0	0
2010	0	0
2011	0	0
2012	0	0

V(H). State Defined Outputs

1. Output Target

- Direct - Group Presentation

2008 :3	2009 :3	2010 :3	2011 :3	2012 :3
---------	---------	---------	---------	---------
- Direct - Applied Research

2008 :2	2009 :2	2010 :2	2011 :2	2012 :2
---------	---------	---------	---------	---------
- Direct - Collaborative or Cooperative Effort

2008 :4	2009 :4	2010 :4	2011 :4	2012 :4
---------	---------	---------	---------	---------
- Direct - Consultation; phone, written, in-person

2008 :2640	2009 :2640	2010 :2650	2011 :2650	2012 :2650
------------	------------	------------	------------	------------
- Direct - Volunteer Training

2008 :6	2009 :6	2010 :6	2011 :6	2012 :6
---------	---------	---------	---------	---------
- Direct - Workshop - series

2008 :8	2009 :7	2010 :7	2011 :7	2012 :7
---------	---------	---------	---------	---------
- Direct - Workshop - single session

2008 :16	2009 :16	2010 :16	2011 :16	2012 :16
----------	----------	----------	----------	----------
- Indirect - Publication - newsletter

2008 :6	2009 :6	2010 :6	2011 :6	2012 :6
---------	---------	---------	---------	---------

V(I). State Defined Outcome

1. Outcome Target

Access relevant UMCE publications.

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :50	2009 : 100	2010 : 50	2011 :100	2012 : 100
----------	------------	-----------	-----------	------------

3. Associated Knowledge Area(s)

- 501 - New and Improved Food Processing Technologies
- 502 - New and Improved Food Products
- 504 - Home and Commercial Food Service
- 704 - Nutrition and Hunger in the Population
- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxins

1. Outcome Target

Demonstrate appropriate food safety practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :460 **2009 :** 445 **2010 :** 435 **2011 :**445 **2012 :** 445

3. Associated Knowledge Area(s)

- 501 - New and Improved Food Processing Technologies
- 504 - Home and Commercial Food Service
- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxins

1. Outcome Target

Demonstrate how to access community resources

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10050 **2009 :** 10050 **2010 :** 10050 **2011 :**10050 **2012 :** 10050

3. Associated Knowledge Area(s)

- 502 - New and Improved Food Products
- 504 - Home and Commercial Food Service
- 704 - Nutrition and Hunger in the Population

1. Outcome Target

Demonstrate how to access locally-grown foods

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :40 **2009 :** 40 **2010 :** 40 **2011 :**40 **2012 :** 40

3. Associated Knowledge Area(s)

- 704 - Nutrition and Hunger in the Population

1. Outcome Target

Demonstrate sustainable living skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :100 **2009 :** 100 **2010 :** 100 **2011 :**100 **2012 :** 100

3. Associated Knowledge Area(s)

- 704 - Nutrition and Hunger in the Population
- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxins

1. Outcome Target

Describe HACCP principles

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :160 **2009 :** 135 **2010 :** 135 **2011 :**135 **2012 :** 135

3. Associated Knowledge Area(s)

- 504 - Home and Commercial Food Service

1. Outcome Target

Describe USDA approved food preservation methods

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :155 **2009 :** 155 **2010 :** 155 **2011 :**155 **2012 :** 155

3. Associated Knowledge Area(s)

- 501 - New and Improved Food Processing Technologies
- 504 - Home and Commercial Food Service
- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxins

1. Outcome Target

Describe age-appropriate safety practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :2460 **2009 :** 2460 **2010 :** 2460 **2011 :**2460 **2012 :** 2460

3. Associated Knowledge Area(s)

- 704 - Nutrition and Hunger in the Population

1. Outcome Target

Describe animal health programs

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :40 **2009 :** 40 **2010 :** 40 **2011 :**40 **2012 :** 40

3. Associated Knowledge Area(s)

- 501 - New and Improved Food Processing Technologies
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxins

1. Outcome Target

Describe community resources

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :50 **2009 :** 50 **2010 :** 50 **2011 :**50 **2012 :** 50

3. Associated Knowledge Area(s)

- 704 - Nutrition and Hunger in the Population

1. Outcome Target

Describe proper food handling practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :310 **2009 :** 270 **2010 :** 260 **2011 :**270 **2012 :** 270

3. Associated Knowledge Area(s)

- 501 - New and Improved Food Processing Technologies
- 502 - New and Improved Food Products
- 504 - Home and Commercial Food Service

- 704 - Nutrition and Hunger in the Population

1. Outcome Target

Describe the principles of a bio-security plan

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :50 2009 : 75 2010 : 100 2011 :125 2012 : 125

3. Associated Knowledge Area(s)

- 501 - New and Improved Food Processing Technologies
- 502 - New and Improved Food Products
- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxins

1. Outcome Target

Describe the risks of not handling food safely

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :140 2009 : 100 2010 : 90 2011 :100 2012 : 100

3. Associated Knowledge Area(s)

- 504 - Home and Commercial Food Service
- 704 - Nutrition and Hunger in the Population

1. Outcome Target

Describe the value of consuming locally-produced food

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :500 2009 : 500 2010 : 500 2011 :500 2012 : 500

3. Associated Knowledge Area(s)

- 704 - Nutrition and Hunger in the Population

1. Outcome Target

Adopt HACCP and bio-security plans

2. Outcome Type : Change in Action Outcome Measure

2008 :50 2009 : 75 2010 : 100 2011 :125 2012 : 125

3. Associated Knowledge Area(s)

- 501 - New and Improved Food Processing Technologies
- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxins

1. Outcome Target

Adopt behaviors to prevent or minimize complications of chronic disease

2. Outcome Type : Change in Action Outcome Measure

2008 :125 2009 : 125 2010 : 125 2011 :125 2012 : 125

3. Associated Knowledge Area(s)

- 704 - Nutrition and Hunger in the Population

1. Outcome Target

Adopt food safety practices

2. Outcome Type : Change in Action Outcome Measure

2008 :2875 **2009 :** 2860 **2010 :** 2850 **2011 :**2860 **2012 :** 2860

3. Associated Knowledge Area(s)

- 501 - New and Improved Food Processing Technologies
- 504 - Home and Commercial Food Service

1. Outcome Target

Adopt the USDA dietary guidelines and the food guide pyramid

2. Outcome Type : Change in Action Outcome Measure

2008 :160 **2009 :** 160 **2010 :** 160 **2011 :**160 **2012 :** 160

3. Associated Knowledge Area(s)

- 704 - Nutrition and Hunger in the Population

1. Outcome Target

Keep accurate records

2. Outcome Type : Change in Action Outcome Measure

2008 :45 **2009 :** 45 **2010 :** 45 **2011 :**45 **2012 :** 45

3. Associated Knowledge Area(s)

- 504 - Home and Commercial Food Service
- 704 - Nutrition and Hunger in the Population

1. Outcome Target

Keep livestock healthy

2. Outcome Type : Change in Action Outcome Measure

2008 :50 **2009 :** 75 **2010 :** 100 **2011 :**125 **2012 :** 125

3. Associated Knowledge Area(s)

- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.

1. Outcome Target

Participate in Maine cattle health assurance program

2. Outcome Type : Change in Action Outcome Measure

2008 :40 **2009 :** 40 **2010 :** 40 **2011 :**40 **2012 :** 40

3. Associated Knowledge Area(s)

- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.

1. Outcome Target

Participate in Salmonella enteriditis surveillance program

2. Outcome Type : Change in Action Outcome Measure

2008 :50 **2009 :** 75 **2010 :** 100 **2011 :**125 **2012 :** 125

3. Associated Knowledge Area(s)

- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxins

1. Outcome Target

Participate in livestock disease monitoring programs

2. Outcome Type : Change in Action Outcome Measure

2008 :50 **2009 :** 75 **2010 :** 100 **2011 :**125 **2012 :** 125

3. Associated Knowledge Area(s)

- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxins

1. Outcome Target

Use relevant UMCE web-based resources

2. Outcome Type : Change in Action Outcome Measure

2008 :100 **2009 :** 100 **2010 :** 100 **2011 :**100 **2012 :** 100

3. Associated Knowledge Area(s)

- 501 - New and Improved Food Processing Technologies
- 502 - New and Improved Food Products
- 504 - Home and Commercial Food Service
- 704 - Nutrition and Hunger in the Population
- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxins

1. Outcome Target

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 **2009 :** 0 **2010 :** 0 **2011 :**0 **2012 :** 0

3. Associated Knowledge Area(s)

- 501 - New and Improved Food Processing Technologies
- 502 - New and Improved Food Products
- 504 - Home and Commercial Food Service
- 704 - Nutrition and Hunger in the Population
- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxins

1. Outcome Target

Enhance the safety, sustainability, and dependability of Maine's food supply.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 **2009 : 0** **2010 : 0** **2011 :0** **2012 : 0**

3. Associated Knowledge Area(s)

- 501 - New and Improved Food Processing Technologies
- 502 - New and Improved Food Products
- 504 - Home and Commercial Food Service
- 704 - Nutrition and Hunger in the Population
- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxins

1. Outcome Target

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 **2009 : 0** **2010 : 0** **2011 :0** **2012 : 0**

3. Associated Knowledge Area(s)

- 501 - New and Improved Food Processing Technologies
- 502 - New and Improved Food Products
- 504 - Home and Commercial Food Service
- 704 - Nutrition and Hunger in the Population
- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxins

1. Outcome Target

Demonstrate how to identify potential hazards

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 **2009 : 20** **2010 : 10** **2011 :20** **2012 : 20**

3. Associated Knowledge Area(s)

- 501 - New and Improved Food Processing Technologies
- 502 - New and Improved Food Products
- 504 - Home and Commercial Food Service
- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxins

1. Outcome Target

Demonstrate how to locate scientific information

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 **2009 : 10** **2010 : 10** **2011 :10** **2012 : 10**

3. Associated Knowledge Area(s)

- 501 - New and Improved Food Processing Technologies

- 502 - New and Improved Food Products
- 504 - Home and Commercial Food Service
- 704 - Nutrition and Hunger in the Population

1. Outcome Target

Demonstrate how to test new storage techniques

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 504 - Home and Commercial Food Service

1. Outcome Target

Adopt appropriate handling and storage technologies

2. Outcome Type : Change in Action Outcome Measure

2008 :35 2009 : 35 2010 : 35 2011 :35 2012 : 35

3. Associated Knowledge Area(s)

- 501 - New and Improved Food Processing Technologies
- 504 - Home and Commercial Food Service

1. Outcome Target

Adopt appropriate technologies

2. Outcome Type : Change in Action Outcome Measure

2008 :30 2009 : 30 2010 : 30 2011 :30 2012 : 30

3. Associated Knowledge Area(s)

- 501 - New and Improved Food Processing Technologies
- 502 - New and Improved Food Products
- 504 - Home and Commercial Food Service
- 704 - Nutrition and Hunger in the Population
- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxins

1. Outcome Target

Develop educational programs that address health and safety issues

2. Outcome Type : Change in Action Outcome Measure

2008 :25 2009 : 25 2010 : 25 2011 :25 2012 : 25

3. Associated Knowledge Area(s)

- 704 - Nutrition and Hunger in the Population

1. Outcome Target

Operate equipment safely

2. Outcome Type : Change in Action Outcome Measure

2008 :30 2009 : 30 2010 : 30 2011 :30 2012 : 30

3. Associated Knowledge Area(s)

- 501 - New and Improved Food Processing Technologies
- 502 - New and Improved Food Products
- 504 - Home and Commercial Food Service
- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxins

1. Outcome Target

Practice safety

2. Outcome Type : Change in Action Outcome Measure

2008 :50 2009 : 50 2010 : 50 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 501 - New and Improved Food Processing Technologies
- 502 - New and Improved Food Products
- 504 - Home and Commercial Food Service
- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.
- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxins

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Government Regulations
- Competing Programatic Challenges
- Natural Disasters (drought,weather extremes,etc.)
- Competing Public priorities
- Populations changes (immigration,new cultural groupings,etc.)
- Appropriations changes
- Economy
- Public Policy changes

Description

{NO DATA ENTERED}

V(K). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- Before-After (before and after program)
- Case Study
- Comparisons between program participants (individuals,group,organizations) and non-participants
- Retrospective (post program)

Description

Intentions for short-term evaluation: Measure the knowledge gained as an immediate result of the educational experience through use of the following tools: Pre- and Post-tests and surveys

Intentions for medium-term evaluation: To measure behaviors, skills, practices, decision-making, policies and social action changes over a period of time through use of surveys, phone interviews, focus groups and self-reporting.

Intentions for long-term evaluation: To measure the health status of Maine citizens including social, economic, civic and environmental changes through data and research findings.

2. Data Collection Methods

- Mail
- On-Site
- Other (Email/Web Surveys)
- Telephone
- Structured

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)**1. Name of the Planned Program**

Forestry and Wildlife

2. Brief summary about Planned Program

Maine is highly dependent on natural resources, especially the forest, for a multitude of products and services. From maple syrup to lumber, ginseng to balsam tips, warblers to salamanders, Maine citizens use the forest to provide their livelihood and their connection to the natural world. Enhancing biodiversity, wildlife habitat in settled landscapes, grading maple syrup, wild ginseng production, and improving sawmill operations are a few of our programs that address forest resources issues. Publications, workshops, and demonstrations compliment will one-on-one consultations and volunteer outreach programs.

3. Program existence : Mature (More than five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : No

V(B). Program Knowledge Area(s)**1. Program Knowledge Areas and Percentage**

- 112 10% Watershed Protection and Management
- 123 20% Management and Sustainability of Forest Resources
- 124 5% Urban Forestry
- 125 10% Agroforestry
- 134 5% Outdoor Recreation
- 135 20% Aquatic and Terrestrial Wildlife
- 136 20% Conservation of Biological Diversity
- 724 10% Healthy Lifestyle

V(C). Planned Program (Situation and Scope)**1. Situation and priorities**

Maine is the most heavily forested state in the country. Maine's land base covers 19.7 million acres and ninety percent, or 17.6 million acres, is forested. Seventeen million of these forested acres are classified as timberland. The majority of timberland in Maine is privately owned (16.2 million acres or 96 percent). The Maine Forest Service estimates that 30 percent is owned by the forest industry, 15 percent by investor groups, 51 percent by non-industrial owners, and 4 percent is owned by state and federal governments.[i] A healthy forest environment has a direct connection to human health through the water we drink, the food we eat and the air we breathe, as well as the visual environment where we live, work and recreate.

The Maine forest economy is restructuring in a permanent way, with a general shift away from manufacturing. Tourism is replacing wood products as a natural-resource-based industry.[ii] Habitat conservation also delivers strong economic benefits to Maine communities. In 1996, the economic impact of wildlife-related recreation in Maine totaled over 1.1 billion dollars.[iii]

[i] Maine Forest Service, Fourth Annual Inventory Report Maine's Forests, October 2003, <http://www.state.me.us/doc/mfs/pubs/pdf/anninv/2002invrpt.pdf> (accessed July, 2004).

[ii] Lloyd C. Irland, "Appendix H: This Evergreen Empire: Maine's Forest Resources in a New Century," in Richard Barringer and Richard Davies, Blaine House Conference on Maine's Natural Resource-Based Industry: Charting a New Course (Augusta, ME: Maine State Planning Office, 2003), <http://www.maine.gov/governor/baldacci/news/events/pdfs/natresfinalreport.pdf>.

[iii] Maine Department of Inland Fisheries & Wildlife, Beginning with Habitat, <http://www.beginningwithhabitat.org/index.html> (accessed July 2004).

2. Scope of the Program

- Integrated Research and Extension
- Multistate Extension
- In-State Extension
- Multistate Integrated Research and Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

The failure of landowners to adopt sound management practices will contribute to future shortages of wood products, loss of habitat, forest fragmentation and a general decline in quality of life. Land in Maine, particularly in southern and coastal areas and along the fringes of the wild lands, will continue to be consumed at an alarming and accelerating rate.

2. Ultimate goal(s) of this Program

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
 Increase the economic and social viability and sustainability of Maine communities.
 Protect and enhance Maine's natural resources and environment through sustainable stewardship.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2008	3.2	0.0	0.2	0.0
2009	3.2	0.0	0.1	0.0
2010	2.2	0.0	0.1	0.0
2011	2.2	0.0	0.1	0.0
2012	2.1	0.0	0.2	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

- Annual Maple Schools
- Applied Research
- Biodiversity in the Forests of Maine
- Forestry and Wildlife Program Support and Networking
- Habitat Education for the Settled Landscape
- Habitat Stewards Program
- Habitats Fact Sheet Series and PowerPoint Presentations
- Maple Grading School
- Non-timber Forest Products
- Other Forestry and Wildlife Programs and Activities
- Sawmill Operations and Technology - Clinic
- Sawmill Operations and Technology- Cooperative /Collaborative Effort
- Sawmill Operations and Technology-Course
- Sawmill Operations and Technology-Publication
- Wood Measurement

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Other 1 (Applied Research) ● Other 2 (Collaborative or Cooperative Eff) ● Education Class ● Group Discussion ● Demonstrations ● One-on-One Intervention ● Workshop 	<ul style="list-style-type: none"> ● Other 1 (Publication)

3. Description of targeted audience

- Natural Resource Professional (Adult)
- Agricultural Producers (Adult)
- Business Owners - current (Adult)
- Business Owners - potential (Adult)
- Employees (Adult)
- Forestland Managers (Adult)
- Forestland Owner - 2 to 10 acres (Adult)
- Forestland Owner - Non-Industrial (Adult)
- General Public (Adult)
- Habitat Stewards (Adult)
- Homeowners - up to 2 acres (Adult)
- Student (Adult)
- Habitat Stewards (Youth)

V(G). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2008	500	120276	42	0
2009	500	120276	42	0
2010	373	275	42	0
2011	373	275	42	0
2012	373	275	42	0

2. (Standard Research Target) Number of Patents

Expected Patents

2008 :0 2009 :0 2010 :0 2011 :0 2012 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target
2008	0	0
2009	0	0
2010	0	0
2011	0	0
2012	0	0

V(H). State Defined Outputs

1. Output Target

- Direct - Applied Research

2008 :1 2009 :1 2010 : 1 2011 :1 2012 :1

- Direct - Conference or symposium; Planning and/or participation

2008 :25 2009 :25 2010 : 25 2011 :25 2012 :25

- Direct - Consultation; phone, written, in-person

2008 :30 2009 :30 2010 : 30 2011 :30 2012 :30

- Direct - Course

2008 :1 2009 :1 2010 : 1 2011 :1 2012 :1

- Direct - Group Presentation

2008 :10 2009 :10 2010 : 10 2011 :10 2012 :10

- Direct - Public Presentation

2008 :12 2009 :12 2010 : 12 2011 :12 2012 :12

- Direct - Train-the-Trainer

2008 :1 2009 :1 2010 : 1 2011 :1 2012 :1

- Direct - Workshop - single session

2008 :100 2009 :100 2010 : 100 2011 :100 2012 :100

- Indirect - Publication

2008 :6 2009 :6 2010 : 2 2011 :2 2012 :2

- Indirect - Publication - fact sheet

2008 :3 2009 :2 2010 : 2 2011 :2 2012 :2

V(I). State Defined Outcome

1. Outcome Target

Demonstrate appreciation of wildlife in home landscape

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :120 2009 : 120 2010 : 120 2011 :120 2012 : 120

3. Associated Knowledge Area(s)

- 124 - Urban Forestry

1. Outcome Target

Demonstrate how to evaluate the credibility of scientific information

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :100 2009 : 100 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 124 - Urban Forestry
- 125 - Agroforestry
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity

1. Outcome Target

Demonstrate how to evaluate the potential of new and non-traditional crops and varieties for profitable production in Maine

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources

1. Outcome Target

Demonstrate how to locate information in multiple ways

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :100 2009 : 100 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 124 - Urban Forestry
- 125 - Agroforestry
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 724 - Healthy Lifestyle

1. Outcome Target

Demonstrate how to test new production techniques

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources

1. Outcome Target

Demonstrate observation skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :120 2009 : 120 2010 : 120 2011 :120 2012 : 120

3. Associated Knowledge Area(s)

- 124 - Urban Forestry

1. Outcome Target

Demonstrate project-related science or technology skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :50 2009 : 50 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle

1. Outcome Target

Demonstrate sustainable living principles and practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :30 2009 : 40 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 124 - Urban Forestry
- 134 - Outdoor Recreation
- 136 - Conservation of Biological Diversity

1. Outcome Target

Describe an improved quality of life

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :120 2009 : 120 2010 : 120 2011 :120 2012 : 120

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle

1. Outcome Target

Describe forest ecosystem processes

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :30 2009 : 40 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources

1. Outcome Target

Describe freshwater ecosystem processes

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :30 2009 : 40 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management

1. Outcome Target

Describe management strategies for forest ecosystems

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :130 2009 : 140 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 124 - Urban Forestry
- 125 - Agroforestry
- 136 - Conservation of Biological Diversity

1. Outcome Target

Describe management strategies for freshwater ecosystems

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 30 2010 : 30 2011 :30 2012 : 30

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management

1. Outcome Target

Describe practices that improve efficiency, reduce inputs, or increase profitability

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 124 - Urban Forestry
- 125 - Agroforestry

1. Outcome Target

Describe principles of wildlife habitat management

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :360 2009 : 360 2010 : 360 2011 :360 2012 : 360

3. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 124 - Urban Forestry
- 136 - Conservation of Biological Diversity

1. Outcome Target

Describe wildlife habitat components

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :240 2009 : 240 2010 : 240 2011 :240 2012 : 240

3. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 124 - Urban Forestry
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity

1. Outcome Target

Describe wildlife survival needs

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :240 2009 : 240 2010 : 240 2011 :240 2012 : 240

3. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 124 - Urban Forestry
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity

1. Outcome Target

Adopt appropriate practices

2. Outcome Type : Change in Action Outcome Measure

2008 :260 2009 : 260 2010 : 210 2011 :210 2012 : 210

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 124 - Urban Forestry
- 125 - Agroforestry
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity

- 724 - Healthy Lifestyle

1. Outcome Target

Adopt appropriate technologies

2. Outcome Type : Change in Action Outcome Measure

2008 :50 2009 : 50 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 124 - Urban Forestry
- 125 - Agroforestry
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity
- 724 - Healthy Lifestyle

1. Outcome Target

Conduct community service or outreach

2. Outcome Type : Change in Action Outcome Measure

2008 :50 2009 : 60 2010 : 70 2011 :80 2012 : 80

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Improve cover or shelter for wildlife

2. Outcome Type : Change in Action Outcome Measure

2008 :150 2009 : 150 2010 : 150 2011 :150 2012 : 150

3. Associated Knowledge Area(s)

- 124 - Urban Forestry
- 135 - Aquatic and Terrestrial Wildlife

1. Outcome Target

Improve food availability for wildlife

2. Outcome Type : Change in Action Outcome Measure

2008 :150 2009 : 150 2010 : 150 2011 :150 2012 : 150

3. Associated Knowledge Area(s)

- 124 - Urban Forestry
- 135 - Aquatic and Terrestrial Wildlife

1. Outcome Target

Improve water availability for wildlife

2. Outcome Type : Change in Action Outcome Measure

2008 :100 2009 : 100 2010 : 100 2011 :100 2012 : 100

3. Associated Knowledge Area(s)

- 124 - Urban Forestry
- 135 - Aquatic and Terrestrial Wildlife

1. Outcome Target

Increase purchase of Maine products

2. Outcome Type : Change in Action Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 125 - Agroforestry

1. Outcome Target

Increase use of Maine-produced natural resources

2. Outcome Type : Change in Action Outcome Measure

2008 :30 2009 : 30 2010 : 30 2011 :30 2012 : 30

3. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 125 - Agroforestry

1. Outcome Target

Make better decision regarding natural resource management

2. Outcome Type : Change in Action Outcome Measure

2008 :150 2009 : 160 2010 : 60 2011 :60 2012 : 60

3. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 136 - Conservation of Biological Diversity

1. Outcome Target

Make better decisions using science and technology skills

2. Outcome Type : Change in Action Outcome Measure

2008 :100 2009 : 100 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 124 - Urban Forestry
- 125 - Agroforestry
- 134 - Outdoor Recreation

- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity
- 724 - Healthy Lifestyle

1. Outcome Target

Protect or conserve biodiversity and habitat including native plant and animal species

2. Outcome Type : Change in Action Outcome Measure

2008 :120 **2009 :** 120 **2010 :** 120 **2011 :**120 **2012 :** 120

3. Associated Knowledge Area(s)

- 124 - Urban Forestry
- 136 - Conservation of Biological Diversity

1. Outcome Target

Reduce pesticide use

2. Outcome Type : Change in Action Outcome Measure

2008 :150 **2009 :** 150 **2010 :** 150 **2011 :**150 **2012 :** 150

3. Associated Knowledge Area(s)

- 124 - Urban Forestry
- 136 - Conservation of Biological Diversity

1. Outcome Target

Start viable alternative enterprises based on sustainable use of natural resources (forest, marine, agriculture)

2. Outcome Type : Change in Action Outcome Measure

2008 :10 **2009 :** 10 **2010 :** 10 **2011 :**10 **2012 :** 10

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 125 - Agroforestry

1. Outcome Target

Use relevant UMCE web-based resources

2. Outcome Type : Change in Action Outcome Measure

2008 :610 **2009 :** 610 **2010 :** 10 **2011 :**10 **2012 :** 10

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 124 - Urban Forestry
- 125 - Agroforestry
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife

- 136 - Conservation of Biological Diversity
- 724 - Healthy Lifestyle

1. Outcome Target

Use services of natural resource professionals

2. Outcome Type : Change in Action Outcome Measure

2008 :240 2009 : 240 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 125 - Agroforestry

1. Outcome Target

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 124 - Urban Forestry
- 125 - Agroforestry
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity
- 724 - Healthy Lifestyle

1. Outcome Target

Increase the economic and social viability and sustainability of Maine communities.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 124 - Urban Forestry
- 125 - Agroforestry
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity
- 724 - Healthy Lifestyle

1. Outcome Target

Protect and enhance Maine's natural resources and environment through sustainable stewardship.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 124 - Urban Forestry
- 125 - Agroforestry
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity
- 724 - Healthy Lifestyle

1. Outcome Target

Access relevant UMCE web-based resources

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 124 - Urban Forestry
- 125 - Agroforestry
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity
- 724 - Healthy Lifestyle

1. Outcome Target

Demonstrate basic business management skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 125 - Agroforestry

1. Outcome Target

Demonstrate how to analyze records for decision making

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 125 - Agroforestry

1. Outcome Target

Describe record keeping and record keeping systems

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 125 - Agroforestry
- 136 - Conservation of Biological Diversity

1. Outcome Target

Acres managed as wildlife habitat

2. Outcome Type : Change in Action Outcome Measure

2008 :2000 2009 : 2000 2010 : 2000 2011 :2000 2012 : 2000

3. Associated Knowledge Area(s)

- 124 - Urban Forestry

1. Outcome Target

Adopt new crop

2. Outcome Type : Change in Action Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 125 - Agroforestry

1. Outcome Target

Create demonstration model

2. Outcome Type : Change in Action Outcome Measure

2008 :50 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources

1. Outcome Target

Develop a marketing plan

2. Outcome Type : Change in Action Outcome Measure

2008 :5 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 125 - Agroforestry

1. Outcome Target

Develop marketing tools

2. Outcome Type : Change in Action Outcome Measure

2008 :5 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 125 - Agroforestry

1. Outcome Target

Develop new products

2. Outcome Type : Change in Action Outcome Measure

2008 :5 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 125 - Agroforestry

1. Outcome Target

Evaluate the potential of new and non-traditional crops and varieties for profitable production in Maine

2. Outcome Type : Change in Action Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 125 - Agroforestry

1. Outcome Target

Expand and enhance markets

2. Outcome Type : Change in Action Outcome Measure

2008 :5 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 125 - Agroforestry

1. Outcome Target

Grow trialed plants

2. Outcome Type : Change in Action Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 136 - Conservation of Biological Diversity

1. Outcome Target

Increase demand for Maine products

2. Outcome Type : Change in Action Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 125 - Agroforestry

1. Outcome Target

Secure resources

2. Outcome Type : Change in Action Outcome Measure

2008 :5 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 125 - Agroforestry

1. Outcome Target

Test new production techniques

2. Outcome Type : Change in Action Outcome Measure

2008 :5 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 123 - Management and Sustainability of Forest Resources
- 125 - Agroforestry

1. Outcome Target

Use new technologies

2. Outcome Type : Change in Action Outcome Measure

2008 :50 2009 : 50 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 124 - Urban Forestry
- 125 - Agroforestry
- 134 - Outdoor Recreation
- 135 - Aquatic and Terrestrial Wildlife
- 136 - Conservation of Biological Diversity
- 724 - Healthy Lifestyle

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Economy
- Natural Disasters (drought,weather extremes,etc.)
- Public Policy changes
- Competing Programatic Challenges
- Competing Public priorities
- Appropriations changes
- Populations changes (immigration,new cultural groupings,etc.)
- Government Regulations

Description

{NO DATA ENTERED}

V(K). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- Retrospective (post program)
- Before-After (before and after program)
- Comparisons between program participants (individuals,group,organizations) and non-participants
- Comparisons between different groups of individuals or program participants experiencing different levels of program intensity.

Description

Intentions for short-term evaluation: Pre- and post-event evaluation instruments as well as retrospective evaluation instruments will be used to measure knowledge gained and skills learned.

Intentions for medium-term evaluation: Evaluation of changes in behavior, practice, decision-making, policy, and social action; evaluation of changes in civic engagement.

Intentions for long-term evaluation: Research on the long-term impact of changes in social, civic, organizational, economic, and environmental conditions.

2. Data Collection Methods

- Telephone
- Structured
- Other (Email/Web surveys)
- Case Study
- Mail

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)

1. Name of the Planned Program

Health Literacy, Disease, and Our Health Care System

2. Brief summary about Planned Program

Maine has a high incidence of preventable and chronic disease, many of which involve elders in our communities. Using an asset-based community development model, communities will assess their readiness to support the health and well-being of elders and develop an action plan to address issues that arise. The Senior Companion Program focuses on developing relationships and networks that support independent living for elders.

3. Program existence : Mature (More than five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

- 802 20% Human Development and Family Well-Being
- 803 15% Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 65% Community Institutions, Health, and Social Services

V(C). Planned Program (Situation and Scope)

1. Situation and priorities

The Year 2000 Blue Ribbon Commission on Health Care in Maine submitted reported that (1) the health care delivery and financing system is inefficient, unreasonably complicated, and unfair, (2) people in Maine are not as healthy as they could be, and efforts to improve health status are inadequate, and (3) many in Maine are unable to obtain health care of the type and quality that they need.[i]

Chronic Disease: The Centers for Disease Control and Prevention (CDC) data indicates that Maine has the fourth highest percentage of people in the U.S. who die from cardiovascular disease, cancer, chronic lung disease and diabetes.[ii]

Health Literacy: Health literacy is defined as the degree to which individuals have the capacity to obtain, process and understand basic health information and services needed to make appropriate health decisions. The U.S. Department of Education's 2002 National Adult Literacy Survey indicated that about 90 million adults in the U.S. have marginal or inadequate literacy skills.[iii] Given that most health education materials are written at the 10th grade level or above, alternative teaching methods and materials with lower reading levels must be developed.

Accidental Injury: The third leading cause of death for all Maine people age 85 and younger is injury. Research indicates that injuries can be prevented by educating people about hazards and risk management, as well as about using safe practices and technology, such as seatbelts and airbags.[iv]

[i] Year 2000 Blue Ribbon Commission on Health Care, "The Cost of Health Care in Maine—An analysis of health care costs, factors that contribute to rising costs, and some potential approaches to stabilize costs," www.mdf.org/chc/basics2.htm (accessed January 2001), now located at http://www.mdf.org/past_initiatives/final2000.html (accessed August 2004).

[ii] Mills, Longer and Healthier Lives, 19-20.

[iii] U.S. Department of Health and Human Services. "Health Communication."

[iv] USDA CSREES, "Healthy People... Healthy Communities Plan of Action."

2. Scope of the Program

- In-State Research
- Multistate Research
- In-State Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

Potential societal impacts and consequences in Maine if this topic is not addressed include:

- Life expectancy decreases.
- Health-related quality of life deteriorates, as measured by self assessments, reported “unhealthy days” per unit time, and years of life spent with chronic or acute limitations.
- Health disparities continue: some have access to health-care programs and services and others do not.
- Individual, family, community and governmental health-care costs and stress continue to rise.

2. Ultimate goal(s) of this Program

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness. Increase the economic and social viability and sustainability of Maine communities.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2008	1.1	0.0	0.4	0.0
2009	1.1	0.0	0.4	0.0
2010	1.1	0.0	0.4	0.0
2011	1.1	0.0	0.4	0.0
2012	1.1	0.0	0.4	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

Senior Companion Training
 Applied Research - Senior Training and Technical Assistance

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Other 2 (Collaborative or Cooperative Eff) ● Education Class ● Other 1 (Applied Research) 	<ul style="list-style-type: none"> ● Other 1 (Applied Research)

3. Description of targeted audience

Community Leaders (Adult)
 Community Members (Adult)
 Extension - all staff (Adult)
 Senior Companion Program Clients (Adult)
 Senior Companion Program Volunteers (Adult)

V(G). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2008	335	4	0	0
2009	345	4	0	0
2010	365	4	0	0
2011	375	4	0	0
2012	375	4	0	0

2. (Standard Research Target) Number of Patents

Expected Patents

2008 :0 2009 :0 2010 :0 2011 :0 2012 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target
2008	0	0
2009	0	0
2010	0	0
2011	0	0
2012	0	0

V(H). State Defined Outputs

1. Output Target

- Direct - Applied Research

2008 :1 2009 :1 2010 :1 2011 :1 2012 :1

- Direct - Collaborative or Cooperative Effort

2008 :1 2009 :1 2010 :1 2011 :1 2012 :1

- Direct - Volunteer Training

2008 :50 2009 :50 2010 :50 2011 :50 2012 :50

- Indirect - Applied Research

2008 :1 2009 :1 2010 :1 2011 :1 2012 :1

V(I). State Defined Outcome

1. Outcome Target

Create a Community Vision Statement.

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Demonstrate age-appropriate relationship skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :75 2009 : 75 2010 : 75 2011 :75 2012 : 75

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate how to conduct community needs assessment

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Demonstrate improved communication skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :75 2009 : 75 2010 : 75 2011 :75 2012 : 75

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Describe home modifications that can be made to promote independent living

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :75 2009 : 75 2010 : 75 2011 :75 2012 : 75

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Adopt effective communication skills

2. Outcome Type : Change in Action Outcome Measure

2008 :75 2009 : 75 2010 : 75 2011 :75 2012 : 75

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Develop relationships that support independent living

2. Outcome Type : Change in Action Outcome Measure

2008 :75 2009 : 75 2010 : 75 2011 :75 2012 : 75

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Increase the economic and social viability and sustainability of Maine communities.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Describe action and results planning techniques

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Describe asset- based community development techniques or practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Assess community needs

2. Outcome Type : Change in Action Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Develop a shared vision for the future

2. Outcome Type : Change in Action Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Facilitate planning and decision-making processes that create and sustain healthy communities

2. Outcome Type : Change in Action Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Inventory community assets

2. Outcome Type : Change in Action Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 805 - Community Institutions, Health, and Social Services

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Government Regulations
- Natural Disasters (drought, weather extremes, etc.)
- Appropriations changes
- Competing Public priorities
- Public Policy changes
- Populations changes (immigration, new cultural groupings, etc.)
- Competing Programmatic Challenges
- Economy

Description

{NO DATA ENTERED}

V(K). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- During (during program)
- Retrospective (post program)
- Before-After (before and after program)

Description

A short-term evaluation will document activities and project outcomes or products using surveys of participants, educator and aide observations, community meeting notes, researcher observation, and researcher journal.

A mid-term evaluation will document changes in civic engagement, community development practice, decision-making approach, policy analysis, social action, changes in communication to participants, and participant behaviors regarding independence.

A long-term evaluation will investigate the impact of changes in social, civic, organizational, economic and environmental conditions using, but not limited to, retrospective evaluation techniques.

2. Data Collection Methods

- On-Site
- Mail
- Structured
- Other (Email/Web Surveys)
- Observation
- Journals

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)**1. Name of the Planned Program**

Healthy Lifestyles

2. Brief summary about Planned Program

Better lifestyle habits can profoundly improve quality of life. Healthy living can prevent diseases and certain disabilities, and can ensure that you not only live longer, but also better. Important elements include eating habits, physical activity, interpersonal skills, parenting skills, financial literacy, food security, and more. These issues will be addressed by engaging children, youth, adults, and families in programs that support healthy lifestyles. Eat Well Nutrition, Senior Companion Program, Techni-Kids on the Move, 4-H After school, Parents Are Teachers Too, and Cooking for a Crowd are a few examples of the multi-faceted approach being used.

3. Program existence : Mature (More than five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)**1. Program Knowledge Areas and Percentage**

- 703 50% Nutrition Education and Behavior
- 724 10% Healthy Lifestyle
- 801 10% Individual and Family Resource Management
- 802 20% Human Development and Family Well-Being
- 803 10% Sociological and Technological Change Affecting Individuals, Families and Communities

V(C). Planned Program (Situation and Scope)**1. Situation and priorities**

Overweight and obesity have reached epidemic proportions in Maine and the United States. In 1999–2000, an estimated 65 percent of U.S. adults were either overweight or obese.[i] Overweight is defined as having a Body Mass Index (BMI) of 25 to 30. A person with a BMI of over 30 is categorized as obese. If the current trend toward overweight continues, 40 percent of Maine's population will be obese by the year 2010.[ii] In the past, we have thought of overweight as being an adult problem, but national studies show that the percentage of children who are overweight has doubled in the past two decades, from seven to 15 percent, and the percentage of adolescents who are overweight has tripled, from five to 16 percent in the same period.[iii]

The Maine Department of Human Services reported the results of the annual Youth Risk Behavior Survey (YRBS)*, showing that 15 percent of kindergartners and 13 percent of middle and high school students are overweight. The percentage of children of different ages who were at risk of being overweight ranged from 15 to 21 percent, with the greatest risk among the youngest children.[iv]

Being physically active can improve health. The latest survey of healthy habits showed that 76 percent of Maine adults do not engage in moderate physical activity for 30 minutes or more at least five days a week, and 38 percent of Maine high school students who were surveyed had not exercised vigorously three or more days during the previous week.[v]

Obesity shows nutrient imbalance and often lack of a nutritious diet. In Maine, as in the nation, food insecurity is rampant (lack of adequate food from normal vending sources or channels). In FY03, at least one in five citizens participated in at least one of USDA's 15 food assistance programs.[vi] The USDA's Food Stamp Program, National School Breakfast and Lunch Programs, Special Supplemental Nutrition Program for Women, Infant and Children's Program (WIC), Child and Adult Care Food Program, and Emergency Food Assistance Program, as well as the UMaine Extension Eat Well Program, increase adequate food supplies for low-income citizens and provide education to improve dietary selections. The average monthly participation in the Food Stamp Program by Maine citizens during FY02 was 111,147 people.[vii]

[i] Centers for Disease Control (CDC) National Center for Health Statistics (NCHS), Health E-Stats, Health, United States, 2002 Table 70: Healthy weight, overweight, and obesity among persons 20 years of age and over, according to sex, age, race, and Hispanic origin: United States, 1960-62, 1971-74, 1976-80, 1988-94, and 1999-2000, on "Prevalence of Overweight and Obesity Among Adults: United States, 1999-2000" Web page, <http://www.cdc.gov/nchs/products/pubs/pubd/hestats/obese/obse99.htm> (accessed August 2004).

[ii] U.S. Department of Health and Human Services (U.S. HHS), presentation by the Centers for Disease Control and Prevention at

the annual meeting of the North American Association for the Study of Obesity (October 2003).

[iii] Centers for Disease Control (CDC) National Center for Health Statistics (NCHS), Health E-Stats, Health, United States, 2002 Table 71: Overweight children and adolescents 6-19 years of age, according to sex, age, race, and Hispanic origin: United States, selected years 1963-65 through 1999-2000, on "Prevalence of Overweight and Obesity Among Adults: United States, 1999-2000" Web page,

<http://www.cdc.gov/nchs/products/pubs/pubd/hestats/overwght99.htm> (accessed August 2004).

[iv] Tippy, Kathy, Maine Child and Youth Weight Status Fact Sheet, Bureau of Health, Maine Department of Human Services.

[v] Maine Department of Human Services (Maine DHS), Healthy Maine 2001: A Report Card on Maine's Leading Health Indicators, 15

[vi] USDA Economic Research Service, Key Topics, "Food and Nutrition Assistance Programs,"

<http://www.ers.usda.gov/Topics/view.asp?T=102600>

[vii] Food Research and Action Center, State of the States 2003, (Washington, DC: FRAC, 2003),

<http://www.frac.org/pdf/sos2003/me.pdf>.

2. Scope of the Program

- Integrated Research and Extension
- In-State Research
- In-State Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

Healthy Maine 2001: A Report Card On Maine's Leading Health Indicators reported that overweight and obesity both have risen 40 percent in the last ten years. Being overweight or obese increases one's chances of high blood pressure, high cholesterol, type 2 diabetes, heart disease, stroke, gall bladder disease, arthritis, sleep disorders, and cancers of the breast, prostate, colon and endometrium. Currently 70 percent of Maine people die from only four diseases: heart disease and stroke, cancer, lung disease, and type 2 diabetes. In 2001, the estimated annual cost of obesity in the U.S. was \$123 billion, up \$6 billion from the year before. Hospital stays for children and adolescents for obesity related events cost an estimated 127 million.[i]

[i] Guijing Wang and William H. Dietz, "Economic Burden of Obesity in Youths Aged 6 to 17 Years: 1979–1999," Pediatrics 109, no. 5 (2002): e81. [Cost during 1997-1999 in 2001 constant U.S. Dollars].

2. Ultimate goal(s) of this Program

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.

Enhance the safety, sustainability, and dependability of Maine's food supply.

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

Increase the economic and social viability and sustainability of Maine communities.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2008	8.2	0.0	0.6	0.0
2009	8.2	0.0	0.6	0.0
2010	8.2	0.0	0.6	0.0
2011	8.2	0.0	0.6	0.0
2012	7.7	0.0	0.6	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

- 3-5 I'm in charge
- 4-H Animal Clinics and Fairs
- Babysitter's Training
- Building the Capacity of Parenting Educators
- Building the Capacity of Senior Companion Program Aides
- Bullying Prevention
- Consultations - Health Issues
- Cooking for a Crowd
- Developing Skills for Diverse Learning Abilities
- Diabetes: Eating Matters
- Dietary Guidelines for Americans, 2005 and MyPyramid Food Guidance System Presentations
- Dietary Guidelines for Americans, 2005 and MyPyramid Food Guidance System Publications
- Educational Opportunities for All Learning Styles
- Effective Partnerships
- EFNEP Food Resource Management
- EFNEP Nutrition Practices
- EFNEP Physical Activity
- Elderhostel Courses
- Extension Homemakers
- Food Safety and Nutrition Workshops, Newsletters, Consultations
- Food Safety and Preservation Workshop
- Food Safety Public Presentations
- Gender Project- Media Literacy Workshops
- Gender Project: Media Literacy Publication
- Health and Nutrition (Display or Exhibit)
- Health and Nutrition (Group Presentation)
- Health and Nutrition (Train the trainer)
- Health and Nutrition (Workshops)
- Healthy Eating Sessions
- Healthy Lifestyles - Media Literacy
- Home Visits With New Parents
- Keeping Healthy Records
- Maine Family Nutrition Program Education Materials
- Maine Family Nutrition Program Food Resource Management
- Maine Family Nutrition Program Nutrition Practices
- Maine Family Nutrition Program Physical Activity
- Methods of Cooking For Health
- Money Sense newsletter
- Nutrition Workshops - MyPyramid
- Nutrition, Food and Physical Activity Symposium
- Parenting Education in Knox and Waldo Counties

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Group Discussion ● Other 1 (Train-the-Trainer) ● Workshop ● Other 2 (Collaborative or Cooperative Eff) ● Education Class ● One-on-One Intervention 	<ul style="list-style-type: none"> ● Newsletters ● Other 1 (Publication)

3. Description of targeted audience

- Agency Staff or Professionals (Adult)
- Care Providers for Children (Adult)
- Coalition Members (Adult)
- Community Leaders (Adult)
- Community Members (Adult)
- Community Organization Members or Staff (Adult)
- Elders or Seniors (Adult)
- Extension Homemakers (Adult)
- Families (Adult)
- Food Stamp Recipients (Adult)
- General Public (Adult)
- Health Care Providers (Adult)
- Home Gardeners (Adult)
- Limited Income Public (Adult)
- Parent Educators (Adult)
- Parents (Adult)
- Senior Companion Program Staff (Adult)
- Senior Companion Program Volunteers (Adult)
- Teachers (Adult)
- Volunteers (Adult)
- Working Waterfront Industry Owners (Adult)
- 4-H Community or Project Clubs Participants (Youth)
- Community Members (Youth)
- Consumers (Adult)
- Consumers (Youth)
- Day Camp Participants (Youth)
- Food Stamp Youth (Youth)
- General Public (Youth)
- Limited Income Public (Youth)
- Students (Youth)
- Youth (Youth)

V(G). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2008	10150	28350	5600	50
2009	10150	28350	5600	50
2010	10150	28350	5600	50
2011	10150	28450	5600	50
2012	10150	28450	5600	50

2. (Standard Research Target) Number of Patents

Expected Patents

2008 :0

2009 :0

2010 :0

2011 :0

2012 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target
2008	0	0
2009	0	0
2010	0	0
2011	0	0
2012	0	0

V(H). State Defined Outputs

1. Output Target

- Direct - 4-H Day Camp

2008 :15 2009 :15 2010 : 15 2011 :15 2012 :15

- Direct - 4-H School Enrichment

2008 :4 2009 :5 2010 : 5 2011 :5 2012 :5

- Direct - Collaborative or Cooperative Effort

2008 :10100 2009 :10100 2010 : 10100 2011 :10100 2012 :10100

- Direct - Consultation; phone, written, in-person

2008 :7900 2009 :7900 2010 : 7900 2011 :7900 2012 :7900

- Direct - Course

2008 :16 2009 :16 2010 : 16 2011 :16 2012 :16

- Direct - Group Presentation

2008 :16 2009 :16 2010 : 16 2011 :16 2012 :16

- Direct - Public Presentation

2008 :30 2009 :30 2010 : 30 2011 :30 2012 :30

- Direct - Train-the-Trainer

2008 :12 2009 :12 2010 : 12 2011 :12 2012 :12

- Direct - Workshop - series

2008 :43 2009 :43 2010 : 43 2011 :42 2012 :42

- Direct - Workshop - single session

2008 :24 2009 :24 2010 : 20 2011 :20 2012 :20

- Indirect - Display or Exhibit

2008 :2 2009 :2 2010 :2 2011 :2 2012 :2

- Indirect - Publication - fact sheet

2008 :2 2009 :2 2010 :2 2011 :2 2012 :2

- Indirect - Publication - newsletter

2008 :24 2009 :24 2010 :24 2011 :24 2012 :24

- Direct - 4-H Club - Project

2008 :8 2009 :8 2010 :8 2011 :8 2012 :8

V(I). State Defined Outcome

1. Outcome Target

Develop literacy and critical thinking skills

2. Outcome Type : Change in Action Outcome Measure

2008 :200 2009 : 200 2010 : 200 2011 :200 2012 : 200

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being

1. Outcome Target

Develop skills that promote healthy relationships

2. Outcome Type : Change in Action Outcome Measure

2008 :150 2009 : 150 2010 : 150 2011 :150 2012 : 150

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being

1. Outcome Target

Distribute nutrition education materials and promotional information about the Maine Family Nutrition Program

2. Outcome Type : Change in Action Outcome Measure

2008 :10000 2009 : 10000 2010 : 10000 2011 :10000 2012 : 10000

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior

1. Outcome Target

Express good feeling about self

2. Outcome Type : Change in Action Outcome Measure

2008 :40 **2009 :** 50 **2010 :** 50 **2011 :**50 **2012 :** 50

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Integrate regular physical activity into daily life

2. Outcome Type : Change in Action Outcome Measure

2008 :2700 **2009 :** 2700 **2010 :** 2700 **2011 :**2700 **2012 :** 2700

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle

1. Outcome Target

Keep accurate records

2. Outcome Type : Change in Action Outcome Measure

2008 :145 **2009 :** 145 **2010 :** 145 **2011 :**145 **2012 :** 145

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being

1. Outcome Target

Make better decisions

2. Outcome Type : Change in Action Outcome Measure

2008 :300 **2009 :** 300 **2010 :** 300 **2011 :**300 **2012 :** 300

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Make better decisions regarding health and health care

2. Outcome Type : Change in Action Outcome Measure

2008 :50 **2009 :** 50 **2010 :** 50 **2011 :**50 **2012 :** 50

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being

1. Outcome Target

Make better decisions regarding healthy lifestyle

2. Outcome Type : Change in Action Outcome Measure

2008 :2500 **2009 :** 2500 **2010 :** 2500 **2011 :**2500 **2012 :** 2500

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior

- 724 - Healthy Lifestyle

1. Outcome Target

Make better decisions regarding healthy lifestyle using improved literacy and critical thinking skills

2. Outcome Type : Change in Action Outcome Measure

2008 :50 2009 : 50 2010 : 50 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle

1. Outcome Target

Manage family resources in alignment with goals

2. Outcome Type : Change in Action Outcome Measure

2008 :2500 2009 : 2500 2010 : 2500 2011 :2500 2012 : 2500

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being

1. Outcome Target

Model positive group behavior to others

2. Outcome Type : Change in Action Outcome Measure

2008 :100 2009 : 100 2010 : 100 2011 :100 2012 : 100

3. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Practice safety

2. Outcome Type : Change in Action Outcome Measure

2008 :90 2009 : 90 2010 : 90 2011 :90 2012 : 90

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Provide learning opportunities for groups or organizations

2. Outcome Type : Change in Action Outcome Measure

2008 :50 2009 : 50 2010 : 50 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Provide training and technical assistance in analyzing and assessing community health issues and policies

2. Outcome Type : Change in Action Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior

1. Outcome Target

Reduce or eliminate gender stereotyping

2. Outcome Type : Change in Action Outcome Measure

2008 :50 2009 : 50 2010 : 50 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Teach others to take leadership and facilitation roles

2. Outcome Type : Change in Action Outcome Measure

2008 :13 2009 : 13 2010 : 13 2011 :13 2012 : 13

3. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Treat all people with dignity and respect

2. Outcome Type : Change in Action Outcome Measure

2008 :50 2009 : 50 2010 : 50 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Use relevant UMCE web-based resources

2. Outcome Type : Change in Action Outcome Measure

2008 :555 2009 : 555 2010 : 555 2011 :555 2012 : 555

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Enhance the safety, sustainability, and dependability of Maine's food supply

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Increase the economic and social viability and sustainability of Maine communities.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate age-appropriate preventive health practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :120 2009 : 120 2010 : 120 2011 :120 2012 : 120

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle

1. Outcome Target

Demonstrate appropriate food safety practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :85 **2009 :** 60 **2010 :** 60 **2011 :**60 **2012 :** 60

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle

1. Outcome Target

Demonstrate healthy lifestyle practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :2320 **2009 :** 2320 **2010 :** 2320 **2011 :**2320 **2012 :** 2320

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Demonstrate how to access community resources

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10050 **2009 :** 10050 **2010 :** 10050 **2011 :**10050 **2012 :** 10050

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being

1. Outcome Target

Demonstrate how to allocate scarce or limited resources

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :2460 **2009 :** 2460 **2010 :** 2460 **2011 :**2460 **2012 :** 2460

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being

1. Outcome Target

Demonstrate how to care for and nurture others

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :25 **2009 :** 25 **2010 :** 25 **2011 :**25 **2012 :** 25

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate how to confront disrespectful behavior

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :50 **2009 :** 50 **2010 :** 50 **2011 :**50 **2012 :** 50

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Demonstrate how to create new media that promotes positive human development

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :40 2009 : 50 2010 : 50 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Demonstrate how to create safe spaces

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :90 2009 : 90 2010 : 90 2011 :90 2012 : 90

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Demonstrate how to critically discern the impacts of media

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :200 2009 : 200 2010 : 200 2011 :200 2012 : 200

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Demonstrate how to keep good records

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :75 2009 : 90 2010 : 100 2011 :100 2012 : 100

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being

1. Outcome Target

Demonstrate how to make informed financial decisions

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :80 2009 : 80 2010 : 80 2011 :80 2012 : 80

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

1. Outcome Target

Demonstrate how to prevent bullying behavior

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :50 2009 : 50 2010 : 50 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Demonstrate how to respect others

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :80 2009 : 80 2010 : 80 2011 :80 2012 : 80

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Demonstrate how to support development of whole people

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :50 2009 : 50 2010 : 50 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Demonstrate how to use the "train-the-trainer" model

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :30 2009 : 30 2010 : 30 2011 :30 2012 : 30

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate how to use the USDA dietary guidelines and Food Guide pyramid to plan menus or choose foods

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :3890 2009 : 3890 2010 : 3890 2011 :3890 2012 : 3890

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior

1. Outcome Target

Demonstrate safe behavior and safety practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :40 2009 : 40 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Describe USDA approved food preservation methods

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :65 2009 : 65 2010 : 65 2011 :65 2012 : 65

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior

1. Outcome Target

Describe age-appropriate safety practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :2630 **2009 :** 2630 **2010 :** 2630 **2011 :**2630 **2012 :** 2630

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior

1. Outcome Target

Describe gender stereotypes and their effects

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :90 **2009 :** 100 **2010 :** 100 **2011 :**100 **2012 :** 100

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Describe healthy lifestyle choices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :1155 **2009 :** 1155 **2010 :** 1155 **2011 :**1155 **2012 :** 1155

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Describe how personal behaviors influence the risk of chronic disease

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :180 **2009 :** 180 **2010 :** 180 **2011 :**180 **2012 :** 180

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle

1. Outcome Target

Describe how to integrate regular physical activity into daily lives

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :75 **2009 :** 75 **2010 :** 75 **2011 :**75 **2012 :** 75

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle

1. Outcome Target

Describe proper food handling practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :110 **2009 :** 85 **2010 :** 85 **2011 :**85 **2012 :** 85

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior

1. Outcome Target

Describe the benefits of physical activity

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :2760 **2009 :** 2760 **2010 :** 2760 **2011 :**2760 **2012 :** 2760

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being

1. Outcome Target

Describe the impact of cultural and media messages

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :40 **2009 :** 50 **2010 :** 50 **2011 :**50 **2012 :** 50

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Describe the risks of not handling food safely

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :95 **2009 :** 70 **2010 :** 70 **2011 :**70 **2012 :** 70

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior

1. Outcome Target

Describe the value of community involvement and civic participation

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :50 **2009 :** 50 **2010 :** 50 **2011 :**50 **2012 :** 50

3. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Describe the value of consuming locally-produced food

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :400 **2009 :** 400 **2010 :** 400 **2011 :**400 **2012 :** 400

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 801 - Individual and Family Resource Management

1. Outcome Target

Describe ways to observe, explore, and experience nature

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :300 2009 : 300 2010 : 300 2011 :300 2012 : 300

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Adopt behaviors to prevent or minimize complications of chronic disease

2. Outcome Type : Change in Action Outcome Measure

2008 :120 2009 : 120 2010 : 120 2011 :120 2012 : 120

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Adopt food safety practices

2. Outcome Type : Change in Action Outcome Measure

2008 :2685 2009 : 2685 2010 : 2685 2011 :2685 2012 : 2685

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior

1. Outcome Target

Adopt record-keeping system

2. Outcome Type : Change in Action Outcome Measure

2008 :150 2009 : 200 2010 : 200 2011 :200 2012 : 200

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

1. Outcome Target

Adopt the USDA dietary guidelines and the food guide pyramid

2. Outcome Type : Change in Action Outcome Measure

2008 :1260 2009 : 1260 2010 : 1260 2011 :1260 2012 : 1260

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle

1. Outcome Target

Assume personal responsibility for health

2. Outcome Type : Change in Action Outcome Measure

2008 :140 2009 : 90 2010 : 90 2011 :90 2012 : 90

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle

1. Outcome Target

Conduct community-based education that encourages healthy individual and family behaviors

2. Outcome Type : Change in Action Outcome Measure

2008 :130 2009 : 130 2010 : 130 2011 :130 2012 : 130

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being

1. Outcome Target

Confront disrespectful behaviors

2. Outcome Type : Change in Action Outcome Measure

2008 :50 2009 : 50 2010 : 50 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Create learning opportunities based on principles of positive human development

2. Outcome Type : Change in Action Outcome Measure

2008 :485 2009 : 485 2010 : 485 2011 :485 2012 : 485

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Demonstrate group process skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :8 2009 : 8 2010 : 8 2011 :8 2012 : 8

3. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate how to address local health and healthcare concerns

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior

1. Outcome Target

Demonstrate how to asses community health concerns

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior

1. Outcome Target

Demonstrate how to create educational situations that honor all learning styles

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being

1. Outcome Target

Demonstrate how to create effective partnerships

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate how to encourage others to make healthy lifestyle choices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :8 2009 : 8 2010 : 8 2011 :8 2012 : 8

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Demonstrate how to evaluate the credibility and relevance of public information

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :5 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being

1. Outcome Target

Demonstrate how to expand health-related resources for people and communities

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being

1. Outcome Target

Demonstrate how to locate credible health information

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :5 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior

1. Outcome Target

Demonstrate how to operate farm equipment safely

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Describe age-appropriate preventative health practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :8 2009 : 8 2010 : 8 2011 :8 2012 : 8

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle

1. Outcome Target

Describe group facilitation techniques

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :8 2009 : 8 2010 : 8 2011 :8 2012 : 8

3. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Describe roles in managing chronic disease

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :15 2009 : 15 2010 : 15 2011 :15 2012 : 15

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior

1. Outcome Target

Avoid consumer fraud and financial exploitation

2. Outcome Type : Change in Action Outcome Measure

2008 :25 2009 : 25 2010 : 25 2011 :25 2012 : 25

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

1. Outcome Target

Conduct educational activities through cooperative or collaborative effort

2. Outcome Type : Change in Action Outcome Measure

2008 :8 2009 : 8 2010 : 8 2011 :8 2012 : 8

3. Associated Knowledge Area(s)

- 703 - Nutrition Education and Behavior
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Create and sustain effective partnerships and collaborations

2. Outcome Type : Change in Action Outcome Measure

2008 :11 2009 : 11 2010 : 11 2011 :11 2012 : 11

3. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Use a collaborative process or approach

2. Outcome Type : Change in Action Outcome Measure

2008 :13 2009 : 13 2010 : 13 2011 :13 2012 : 13

3. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Competing Public priorities
- Public Policy changes
- Populations changes (immigration,new cultural groupings,etc.)
- Government Regulations
- Appropriations changes
- Competing Programatic Challenges
- Economy
- Natural Disasters (drought,weather extremes,etc.)

Description

V(K). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- During (during program)
- Before-After (before and after program)
- Retrospective (post program)

Description

A short-term evaluation will document activities and project outcomes or products using surveys of participants, educator and aide observations, community meeting notes, researcher observation, and researcher journal.

A mid-term evaluation will document changes in civic engagement, community development practice, decision-making approach, policy analysis, social action, changes in communication to participants, and participant behaviors regarding independence.

A long-term evaluation will investigate the impact of changes in social, civic, organizational, economic and environmental conditions using, but not limited to, retrospective evaluation techniques.

2. Data Collection Methods

- Observation
- Journals
- Structured
- On-Site
- Mail
- Other (Email/Web Surveys)

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)**1. Name of the Planned Program**

Home Horticulture

2. Brief summary about Planned Program

In the past 10 years there have been substantial increases in the numbers of people engaged in indoor and outdoor gardening in Maine. This has been paralleled by the growth of horticultural enterprises throughout the state. Workshops, conferences, demonstrations, consultations, fact sheets, and websites are used to deliver programs, including Master Gardener, Kids Can Grow, and Plant-a-Row for the Hungry, to diverse audiences. Participants gain knowledge and skills in decreasing pesticide and water use, improving urban wildlife habitat, avoiding non-native invasive species, and incorporating native woody ornamentals into their landscapes, among other topics.

3. Program existence : Mature (More than five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)**1. Program Knowledge Areas and Percentage**

- 102 20% Soil, Plant, Water, Nutrient Relationships
- 111 10% Conservation and Efficient Use of Water
- 112 5% Watershed Protection and Management
- 132 5% Weather and Climate
- 133 5% Pollution Prevention and Mitigation
- 203 10% Plant Biological Efficiency and Abiotic Stresses Affecting Plants
- 206 30% Basic Plant Biology
- 213 5% Weeds Affecting Plants
- 403 5% Waste Disposal, Recycling, and Reuse
- 502 5% New and Improved Food Products

V(C). Planned Program (Situation and Scope)**1. Situation and priorities**

Nationally, eight out of ten households (approximately 84 million households) participated in one or more types of do-it-yourself indoor and outdoor lawn and gardening activities in 2003.[i] In Maine, growth in the environmental horticulture industry also reflects increased interest and participation in gardening activities. During the period from 1993 through 1998, the environmental horticulture industry grew by \$93 million in Maine and 115 new businesses were created.[ii] It is currently a \$286 million industry in Maine.

[i] National Gardening Association, "National Gardening Survey 2003," <http://www.garden.org/RSRCH/report.asp> (accessed July 2004).

[ii] L. Perry and L. B. Stack, \$4 billion and growing: a summary of the environmental horticulture industry's impact on the New England economy, (Natick, MA: New England Nursery Association, Inc., 2003).

2. Scope of the Program

- Integrated Research and Extension
- Multistate Extension
- In-State Extension

V(D). Planned Program (Assumptions and Goals)**1. Assumptions made for the Program**

Land development trends from the Maine State Planning Office indicate that we will experience continued urban/suburban growth through 2050[i]. It is therefore important that homeowner gardening and landscaping education continue, with an emphasis on

reduced pesticide and water inputs as well as improved backyard habitats for wildlife. There are additional indicators of the continuing need for education in all areas of home horticulture:

- According to the Maine Board of Pesticides Control, 800,000 pounds of home-use pesticides were brought into Maine in 1995. In 2001, that figure rose to 1,800,000 pounds, an increase of over 200 percent.[i]
- We have dramatically increased our knowledge of potential problems with non-native, invasive plant species in recent years. However, Maine citizens continue to use these disruptive species in the managed landscape, indicating an urgent need for education in this area.
- Food security continues to be a problem for many individuals and families in Maine. Recruiting more backyard gardeners into the Plant-A-Row for the Hungry program is one way to address this need.

[i] Maine State Planning Office, "Expansion of Development 1940-2050," <http://www.state.me.us/spo/landuse/resources/sprawl.php> (accessed July 2004).

[ii] Gary Fish, certification specialist, Maine Board of Pesticides Control (e-mail message, June 12, 2004).

2. Ultimate goal(s) of this Program

- Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
- Enhance the safety, sustainability, and dependability of Maine's food supply.
- Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
- Increase the economic and social viability and sustainability of Maine communities.
- Protect and enhance Maine's natural resources and environment through sustainable stewardship.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2008	7.0	0.0	0.1	0.0
2009	7.0	0.0	0.0	0.0
2010	7.0	0.0	0.0	0.0
2011	6.3	0.0	0.0	0.0
2012	6.5	0.0	0.0	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

- Central Maine Garden Celebration
- Community Programs on Home Horticulture Topics
- Consultations on Consumer and Commercial Horticulture Topics
- Consumer Horticulture Field Day
- Consumer Horticulture Programming
- Demonstration Plantings
- Garden Angel Program
- Garden Club Presentations
- Garden Publications
- Garden to Garden Program
- Gardening Web Site
- Growing Tree Fruits in Maine
- Hazardous Waste Collection
- Hobby Orchard Consultations
- Hobby Orchard Presentations
- Home Gardening, Composting and Pest Management.
- Kids Can Grow

Maine Garden Day
 Maine State Prison Vocational Horticulture Program
 Maine Tree Club Outing
 Maine Tree Club Publications
 Master Gardener Newsletter
 Master Gardener Training
 Master Gardener Volunteer Continuation Committee
 Master Gardener Volunteer Training
 Native Woody Plants for Maine Landscapes
 Piscataquis Gardening Newsletter
 Small Fruit and Vegetable Fact Sheets
 Solar Collection in Hoop Houses
 Vegetable Fact Sheets

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Education Class ● Workshop ● Other 2 (Conference or Symposium) ● Other 1 (Collaborative or Cooperative Eff) ● Demonstrations ● One-on-One Intervention 	<ul style="list-style-type: none"> ● Other 1 (Publication - Fact Sheet) ● Newsletters ● Web sites

3. Description of targeted audience

Adults with Disabilities (Adults)
 Agricultural Workers (Adult)
 Commercial Vegetable Growers (Adult)
 Community Members (Adult)
 First-Time Gardeners (Adult)
 General Public (Adult)
 Green Industry Members (Adult)
 Home Gardeners (Adult)
 Homeowners (Adult)
 Master Gardener Trainees (Adult)
 Master Gardener Volunteers (Adult)
 4-H Special Interest or Short-Term Program Participants (Youth)
 General Public (Youth)
 Master Gardener Volunteers (Youth)

V(G). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2008	4200	3800	95	0
2009	4200	3800	115	0
2010	3900	3800	115	0
2011	3900	3800	85	0
2012	3900	3800	85	0

2. (Standard Research Target) Number of Patents

Expected Patents

2008 :0 2009 :0 2010 :0 2011 :0 2012 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target
2008	0	0
2009	0	0
2010	0	0
2011	0	0
2012	0	0

V(H). State Defined Outputs

1. Output Target

- Direct - Collaborative or Cooperative Effort

2008 :1 2009 :1 2010 :1 2011 :1 2012 :1

- Direct - Conference or symposium; Planning and/or participation

2008 :2 2009 :2 2010 :1 2011 :1 2012 :1

- Direct - Consultation; phone, written, in-person

2008 :1070 2009 :1070 2010 :1070 2011 :1070 2012 :1070

- Direct - Course

2008 :4 2009 :4 2010 :4 2011 :3 2012 :3

- Direct - Demonstration Project

2008 :5 2009 :4 2010 :4 2011 :4 2012 :4

- Direct - Experiential Learning

2008 :2	2009 :2	2010 :1	2011 :1	2012 :1
● Direct - Public Presentation				
2008 :31	2009 :31	2010 :31	2011 :31	2012 :31
● Direct - Volunteer Training				
2008 :32	2009 :21	2010 :31	2011 :21	2012 :21
● Direct - Workshop - single session				
2008 :4	2009 :4	2010 :4	2011 :4	2012 :4
● Indirect - Publication - booklet				
2008 :2	2009 :2	2010 :2	2011 :2	2012 :2
● Indirect - Publication - fact sheet				
2008 :3	2009 :4	2010 :3	2011 :4	2012 :4
● Indirect - Publication - newsletter				
2008 :13	2009 :13	2010 :13	2011 :13	2012 :13
● Indirect - Website				
2008 :1	2009 :1	2010 :1	2011 :1	2012 :1

V(I). State Defined Outcome

1. Outcome Target

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0	2009 :0	2010 :0	2011 :0	2012 :0
---------	---------	---------	---------	---------

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 132 - Weather and Climate
- 133 - Pollution Prevention and Mitigation
- 203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants
- 206 - Basic Plant Biology
- 213 - Weeds Affecting Plants

1. Outcome Target

Access relevant UMCE publications

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :120 **2009 :** 170 **2010 :** 125 **2011 :**175 **2012 :** 175

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 132 - Weather and Climate
- 133 - Pollution Prevention and Mitigation
- 203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants
- 206 - Basic Plant Biology
- 213 - Weeds Affecting Plants
- 403 - Waste Disposal, Recycling, and Reuse

1. Outcome Target

Complete the Master Gardener Training

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :265 **2009 :** 265 **2010 :** 265 **2011 :**210 **2012 :** 210

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 206 - Basic Plant Biology
- 213 - Weeds Affecting Plants

1. Outcome Target

Demonstrate IPM techniques

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :65 **2009 :** 70 **2010 :** 70 **2011 :**40 **2012 :** 40

3. Associated Knowledge Area(s)

- 206 - Basic Plant Biology
- 213 - Weeds Affecting Plants

1. Outcome Target

Demonstrate how to access locally-grown foods

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :40 **2009 :** 40 **2010 :** 40 **2011 :**40 **2012 :** 40

3. Associated Knowledge Area(s)

- 502 - New and Improved Food Products

1. Outcome Target

Demonstrate how to amend soils

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :275 **2009 :** 275 **2010 :** 275 **2011 :**225 **2012 :** 225

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships

1. Outcome Target

Demonstrate how to apply pesticides safely and effectively

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :145 **2009 :** 145 **2010 :** 145 **2011 :**127 **2012 :** 127

3. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation
- 213 - Weeds Affecting Plants

1. Outcome Target

Demonstrate how to be positively engaged in their community

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :50 **2009 :** 50 **2010 :** 50 **2011 :**0 **2012 :** 0

3. Associated Knowledge Area(s)

- 206 - Basic Plant Biology

1. Outcome Target

Demonstrate how to compost

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :70 **2009 :** 70 **2010 :** 70 **2011 :**70 **2012 :** 70

3. Associated Knowledge Area(s)

- 403 - Waste Disposal, Recycling, and Reuse

1. Outcome Target

Demonstrate how to create effective partnerships in communities

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 **2009 :** 10 **2010 :** 10 **2011 :**0 **2012 :** 0

3. Associated Knowledge Area(s)

- 206 - Basic Plant Biology

1. Outcome Target

Demonstrate how to design, facilitate, run, and maintain a volunteer program

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :90 **2009 :** 0 **2010 :** 0 **2011 :**0 **2012 :** 0

3. Associated Knowledge Area(s)

- 206 - Basic Plant Biology

1. Outcome Target

Demonstrate how to diagnose pest problems

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :200 2009 : 200 2010 : 200 2011 :200 2012 : 200

3. Associated Knowledge Area(s)

- 203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants
- 206 - Basic Plant Biology
- 213 - Weeds Affecting Plants

1. Outcome Target

Demonstrate how to evaluate the potential of new and non-traditional crops and varieties for profitable production in Maine

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :40 2009 : 40 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 206 - Basic Plant Biology

1. Outcome Target

Demonstrate how to grow fruits and vegetables

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :210 2009 : 210 2010 : 210 2011 :210 2012 : 210

3. Associated Knowledge Area(s)

- 206 - Basic Plant Biology

1. Outcome Target

Demonstrate how to identify invasive species

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :30 2009 : 30 2010 : 30 2011 :30 2012 : 30

3. Associated Knowledge Area(s)

- 203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants
- 206 - Basic Plant Biology

1. Outcome Target

Demonstrate how to identify native flora and fauna

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :30 2009 : 30 2010 : 30 2011 :30 2012 : 30

3. Associated Knowledge Area(s)

- 206 - Basic Plant Biology

1. Outcome Target

Demonstrate how to identify non-native invasive species

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :30 2009 : 50 2010 : 30 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants

- 206 - Basic Plant Biology

1. Outcome Target

Demonstrate how to incorporate native plants and native plant communities into constructed landscapes

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :115 2009 : 115 2010 : 115 2011 :115 2012 : 115

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants
- 206 - Basic Plant Biology
- 213 - Weeds Affecting Plants

1. Outcome Target

Demonstrate how to take a soil test

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :255 2009 : 255 2010 : 255 2011 :215 2012 : 215

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships

1. Outcome Target

Demonstrate how to use technology

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :30 2009 : 30 2010 : 30 2011 :30 2012 : 30

3. Associated Knowledge Area(s)

- 132 - Weather and Climate
- 133 - Pollution Prevention and Mitigation
- 203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants

1. Outcome Target

Demonstrate management strategies for invasive species management

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :50 2009 : 50 2010 : 50 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 206 - Basic Plant Biology
- 213 - Weeds Affecting Plants

1. Outcome Target

Demonstrate sustainable gardening practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :235 2009 : 235 2010 : 235 2011 :235 2012 : 235

3. Associated Knowledge Area(s)

- 206 - Basic Plant Biology
- 213 - Weeds Affecting Plants

1. Outcome Target

Describe IPM techniques

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :80 2009 : 80 2010 : 85 2011 :25 2012 : 25

3. Associated Knowledge Area(s)

- 206 - Basic Plant Biology
- 213 - Weeds Affecting Plants

1. Outcome Target

Describe IPM technologies and benefits

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :70 2009 : 70 2010 : 75 2011 :65 2012 : 65

3. Associated Knowledge Area(s)

- 206 - Basic Plant Biology
- 213 - Weeds Affecting Plants

1. Outcome Target

Describe alternative pest manage techniques

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :415 2009 : 420 2010 : 420 2011 :420 2012 : 420

3. Associated Knowledge Area(s)

- 206 - Basic Plant Biology
- 213 - Weeds Affecting Plants

1. Outcome Target

Describe an improved quality of life

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :80 2009 : 80 2010 : 80 2011 :80 2012 : 80

3. Associated Knowledge Area(s)

- 502 - New and Improved Food Products

1. Outcome Target

Describe ecological principles

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :80 2009 : 80 2010 : 80 2011 :80 2012 : 80

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water

- 112 - Watershed Protection and Management

1. Outcome Target

Describe hoop house crop management

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :55 2009 : 60 2010 : 60 2011 :60 2012 : 60

3. Associated Knowledge Area(s)

- 206 - Basic Plant Biology

1. Outcome Target

Describe hoop house technology

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :75 2009 : 75 2010 : 75 2011 :75 2012 : 75

3. Associated Knowledge Area(s)

- 203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants
- 206 - Basic Plant Biology

1. Outcome Target

Describe new crops and varieties

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :280 2009 : 330 2010 : 280 2011 :330 2012 : 330

3. Associated Knowledge Area(s)

- 206 - Basic Plant Biology

1. Outcome Target

Describe practices that improve efficiency, reduce inputs, or increase profitability

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :175 2009 : 175 2010 : 175 2011 :175 2012 : 175

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants
- 206 - Basic Plant Biology

1. Outcome Target

Describe threats to water quality from land use practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :15 2009 : 15 2010 : 15 2011 :15 2012 : 15

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 112 - Watershed Protection and Management

1. Outcome Target

Use UM Diagnostic Services

2. Outcome Type : Change in Knowledge Outcome Measure

2008 : 160 **2009 :** 160 **2010 :** 160 **2011 :** 100 **2012 :** 100

3. Associated Knowledge Area(s)

- 203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants
- 206 - Basic Plant Biology
- 213 - Weeds Affecting Plants

1. Outcome Target

Adopt appropriate management strategies

2. Outcome Type : Change in Action Outcome Measure

2008 : 550 **2009 :** 350 **2010 :** 550 **2011 :** 350 **2012 :** 350

3. Associated Knowledge Area(s)

- 206 - Basic Plant Biology
- 502 - New and Improved Food Products

1. Outcome Target

Adopt appropriate pest management practices

2. Outcome Type : Change in Action Outcome Measure

2008 : 92 **2009 :** 103 **2010 :** 92 **2011 :** 92 **2012 :** 92

3. Associated Knowledge Area(s)

- 206 - Basic Plant Biology

1. Outcome Target

Adopt appropriate technologies

2. Outcome Type : Change in Action Outcome Measure

2008 : 380 **2009 :** 185 **2010 :** 385 **2011 :** 185 **2012 :** 185

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 132 - Weather and Climate
- 133 - Pollution Prevention and Mitigation
- 203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants
- 206 - Basic Plant Biology
- 213 - Weeds Affecting Plants
- 403 - Waste Disposal, Recycling, and Reuse
- 502 - New and Improved Food Products

1. Outcome Target

Adopt environmentally sound practices

2. Outcome Type : Change in Action Outcome Measure

2008 :50 2009 : 50 2010 : 50 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 133 - Pollution Prevention and Mitigation

1. Outcome Target

Adopt environmentally sound technologies that improve economic viability

2. Outcome Type : Change in Action Outcome Measure

2008 :150 2009 : 150 2010 : 150 2011 :150 2012 : 150

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 133 - Pollution Prevention and Mitigation

1. Outcome Target

Adopt practices that maintain profitability

2. Outcome Type : Change in Action Outcome Measure

2008 :80 2009 : 80 2010 : 80 2011 :80 2012 : 80

3. Associated Knowledge Area(s)

- 206 - Basic Plant Biology

1. Outcome Target

Be a mentor to other community organizations or groups

2. Outcome Type : Change in Action Outcome Measure

2008 :30 2009 : 30 2010 : 30 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 502 - New and Improved Food Products

1. Outcome Target

Complete volunteer commitment

2. Outcome Type : Change in Action Outcome Measure

2008 :65 2009 : 85 2010 : 65 2011 :60 2012 : 60

3. Associated Knowledge Area(s)

- 502 - New and Improved Food Products

1. Outcome Target

Compost

2. Outcome Type : Change in Action Outcome Measure

2008 :125 **2009 :** 125 **2010 :** 125 **2011 :**100 **2012 :** 100

3. Associated Knowledge Area(s)

- 403 - Waste Disposal, Recycling, and Reuse

1. Outcome Target

Conduct community service or outreach

2. Outcome Type : Change in Action Outcome Measure

2008 :110 **2009 :** 110 **2010 :** 110 **2011 :**110 **2012 :** 110

3. Associated Knowledge Area(s)

- 502 - New and Improved Food Products

1. Outcome Target

Expand IPM

2. Outcome Type : Change in Action Outcome Measure

2008 :30 **2009 :** 30 **2010 :** 30 **2011 :**30 **2012 :** 30

3. Associated Knowledge Area(s)

- 206 - Basic Plant Biology

1. Outcome Target

Grow new crop

2. Outcome Type : Change in Action Outcome Measure

2008 :45 **2009 :** 45 **2010 :** 45 **2011 :**45 **2012 :** 45

3. Associated Knowledge Area(s)

- 206 - Basic Plant Biology
- 502 - New and Improved Food Products

1. Outcome Target

Grow new variety

2. Outcome Type : Change in Action Outcome Measure

2008 :110 **2009 :** 110 **2010 :** 100 **2011 :**100 **2012 :** 100

3. Associated Knowledge Area(s)

- 206 - Basic Plant Biology
- 502 - New and Improved Food Products

1. Outcome Target

Identify and respond to pest issues

2. Outcome Type : Change in Action Outcome Measure

2008 :210 **2009 :** 210 **2010 :** 210 **2011 :**210 **2012 :** 210

3. Associated Knowledge Area(s)

- 203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants
- 206 - Basic Plant Biology

1. Outcome Target

Identify and respond to plant and animal disorders

2. Outcome Type : Change in Action Outcome Measure

2008 :70 2009 : 70 2010 : 70 2011 :70 2012 : 70

3. Associated Knowledge Area(s)

- 203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants
- 206 - Basic Plant Biology
- 213 - Weeds Affecting Plants

1. Outcome Target

Improve IPM

2. Outcome Type : Change in Action Outcome Measure

2008 :60 2009 : 110 2010 : 60 2011 :110 2012 : 110

3. Associated Knowledge Area(s)

- 206 - Basic Plant Biology

1. Outcome Target

Improve production and quality of crops

2. Outcome Type : Change in Action Outcome Measure

2008 :305 2009 : 310 2010 : 315 2011 :325 2012 : 325

3. Associated Knowledge Area(s)

- 206 - Basic Plant Biology

1. Outcome Target

Improve soil health

2. Outcome Type : Change in Action Outcome Measure

2008 :45 2009 : 45 2010 : 45 2011 :45 2012 : 45

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships

1. Outcome Target

Increase consumption of locally-grown food

2. Outcome Type : Change in Action Outcome Measure

2008 :332 2009 : 332 2010 : 332 2011 :332 2012 : 332

3. Associated Knowledge Area(s)

- 502 - New and Improved Food Products

1. Outcome Target

Increase crop production

2. Outcome Type : Change in Action Outcome Measure

2008 :60 2009 : 60 2010 : 60 2011 :60 2012 : 60

3. Associated Knowledge Area(s)

- 206 - Basic Plant Biology

1. Outcome Target

Make appropriate cultivar choices

2. Outcome Type : Change in Action Outcome Measure

2008 :310 **2009 :** 310 **2010 :** 310 **2011 :**310 **2012 :** 310

3. Associated Knowledge Area(s)

- 206 - Basic Plant Biology
- 502 - New and Improved Food Products

1. Outcome Target

Make better decisions regarding pest management

2. Outcome Type : Change in Action Outcome Measure

2008 :205 **2009 :** 205 **2010 :** 205 **2011 :**180 **2012 :** 180

3. Associated Knowledge Area(s)

- 206 - Basic Plant Biology

1. Outcome Target

Plant and harvest gardens

2. Outcome Type : Change in Action Outcome Measure

2008 :490 **2009 :** 490 **2010 :** 490 **2011 :**465 **2012 :** 465

3. Associated Knowledge Area(s)

- 502 - New and Improved Food Products

1. Outcome Target

Pounds of food donated

2. Outcome Type : Change in Action Outcome Measure

2008 :100000 **2009 :** 100000 **2010 :** 100000 **2011 :**100000 **2012 :** 100000

3. Associated Knowledge Area(s)

- 502 - New and Improved Food Products

1. Outcome Target

Reduce the use of high-risk pesticides

2. Outcome Type : Change in Action Outcome Measure

2008 :10 **2009 :** 10 **2010 :** 10 **2011 :**10 **2012 :** 10

3. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation
- 206 - Basic Plant Biology

1. Outcome Target

Reduce waste stream

2. Outcome Type : Change in Action Outcome Measure

2008 :50 2009 : 50 2010 : 50 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 403 - Waste Disposal, Recycling, and Reuse

1. Outcome Target

Test new crops

2. Outcome Type : Change in Action Outcome Measure

2008 :45 2009 : 45 2010 : 45 2011 :45 2012 : 45

3. Associated Knowledge Area(s)

- 502 - New and Improved Food Products

1. Outcome Target

Test new production techniques

2. Outcome Type : Change in Action Outcome Measure

2008 :115 2009 : 115 2010 : 125 2011 :125 2012 : 125

3. Associated Knowledge Area(s)

- 206 - Basic Plant Biology
- 502 - New and Improved Food Products

1. Outcome Target

Test new varieties

2. Outcome Type : Change in Action Outcome Measure

2008 :40 2009 : 40 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 206 - Basic Plant Biology
- 502 - New and Improved Food Products

1. Outcome Target

Use non-chemical pest management practices

2. Outcome Type : Change in Action Outcome Measure

2008 :25 2009 : 25 2010 : 25 2011 :25 2012 : 25

3. Associated Knowledge Area(s)

- 206 - Basic Plant Biology

1. Outcome Target

Use pesticides safely

2. Outcome Type : Change in Action Outcome Measure

2008 :60 2009 : 60 2010 : 60 2011 :51 2012 : 51

3. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation
- 206 - Basic Plant Biology

1. Outcome Target

Use relevant UMCE web-based resources

2. Outcome Type : Change in Action Outcome Measure

2008 :260 **2009 :** 260 **2010 :** 260 **2011 :**260 **2012 :** 260

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 132 - Weather and Climate
- 133 - Pollution Prevention and Mitigation
- 203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants
- 206 - Basic Plant Biology
- 213 - Weeds Affecting Plants
- 403 - Waste Disposal, Recycling, and Reuse
- 502 - New and Improved Food Products

1. Outcome Target

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 **2009 :** 0 **2010 :** 0 **2011 :**0 **2012 :** 0

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 132 - Weather and Climate
- 133 - Pollution Prevention and Mitigation
- 203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants
- 206 - Basic Plant Biology
- 213 - Weeds Affecting Plants
- 403 - Waste Disposal, Recycling, and Reuse
- 502 - New and Improved Food Products

1. Outcome Target

Enhance the safety, sustainability, and dependability of Maine's food supply

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 **2009 :** 0 **2010 :** 0 **2011 :**0 **2012 :** 0

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 132 - Weather and Climate
- 133 - Pollution Prevention and Mitigation
- 203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants
- 206 - Basic Plant Biology
- 213 - Weeds Affecting Plants
- 403 - Waste Disposal, Recycling, and Reuse
- 502 - New and Improved Food Products

1. Outcome Target

Increase the economic and social viability and sustainability of Maine communities

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 132 - Weather and Climate
- 133 - Pollution Prevention and Mitigation
- 203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants
- 206 - Basic Plant Biology
- 213 - Weeds Affecting Plants
- 403 - Waste Disposal, Recycling, and Reuse
- 502 - New and Improved Food Products

1. Outcome Target

Protect and enhance Maine's natural resources and environment through sustainable stewardship

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 132 - Weather and Climate
- 133 - Pollution Prevention and Mitigation
- 203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants

- 206 - Basic Plant Biology
- 213 - Weeds Affecting Plants
- 403 - Waste Disposal, Recycling, and Reuse
- 502 - New and Improved Food Products

1. Outcome Target

Demonstrate effective collaboration skills and techniques

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :25 2009 : 25 2010 : 25 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management

1. Outcome Target

Demonstrate effective mentoring or coaching skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :30 2009 : 30 2010 : 30 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management

1. Outcome Target

Demonstrate group, organizational, or leadership activities

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management

1. Outcome Target

Describe solar heating technology

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 132 - Weather and Climate

1. Outcome Target

Describe sources of locally-produced food

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 502 - New and Improved Food Products

1. Outcome Target

Describe wildlife habitat components

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :15 2009 : 15 2010 : 15 2011 :15 2012 : 15

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management

1. Outcome Target

Conserve soils

2. Outcome Type : Change in Action Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships

1. Outcome Target

Create and sustain effective partnerships and collaborations

2. Outcome Type : Change in Action Outcome Measure

2008 :30 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management

1. Outcome Target

Develop environmentally sound technologies and practices

2. Outcome Type : Change in Action Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 133 - Pollution Prevention and Mitigation
- 203 - Plant Biological Efficiency and Abiotic Stresses Affecting Plants
- 206 - Basic Plant Biology
- 213 - Weeds Affecting Plants
- 403 - Waste Disposal, Recycling, and Reuse
- 502 - New and Improved Food Products

1. Outcome Target

Develop local food production and distribution systems

2. Outcome Type : Change in Action Outcome Measure

2008 :1 2009 : 1 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 502 - New and Improved Food Products

1. Outcome Target

Engage in leadership development

2. Outcome Type : Change in Action Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management

1. Outcome Target

Train new volunteers

2. Outcome Type : Change in Action Outcome Measure

2008 :90 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 502 - New and Improved Food Products

1. Outcome Target

Provide learning opportunities for groups or organizations

2. Outcome Type : Change in Action Outcome Measure

2008 :23 2009 : 13 2010 : 13 2011 :13 2012 : 13

3. Associated Knowledge Area(s)

- 206 - Basic Plant Biology

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Appropriations changes
- Natural Disasters (drought,weather extremes,etc.)
- Government Regulations
- Competing Public priorities
- Public Policy changes
- Populations changes (immigration,new cultural groupings,etc.)
- Economy
- Competing Programatic Challenges

Description

Intentions for short-term evaluation: Survey, pre- and post-test for short-term knowledge gained, program evaluations.

Intentions for medium-term evaluation: Survey, program evaluations for behavior changed. Number of new horticulture based businesses started and or expanded.

Intentions for long-term evaluation: Survey, evaluations for long term behavior change.

V(K). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- Before-After (before and after program)
- During (during program)

Description

Intentions for short-term evaluation: Survey, pre- and post-test for short-term knowledge gained, program evaluations.

Intentions for medium-term evaluation: Survey, program evaluations for behavior changed. Number of new horticulture based businesses started and or expanded.

Intentions for long-term evaluation: Survey, evaluations for long term behavior change.

2. Data Collection Methods

- On-Site
- Other (Email/Web Surveys)
- Structured
- Telephone
- Mail

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)**1. Name of the Planned Program**

Maine Livestock Industry

2. Brief summary about Planned Program

Maine's livestock industry, from large commercial operations to small diversified farms, has expressed its need for programs on production, profitability, and the development of sustainable farm management and animal husbandry systems. Related needs include marketing and the development of niche markets and value-added products. Producers, agency personnel, and 4-H members participate in workshops, pasture walks, consultations, and applied research. They attend farmer meetings and create networks and consortiums as a way to learn from their peers.

3. Program existence : Mature (More than five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)**1. Program Knowledge Areas and Percentage**

- 102 15% Soil, Plant, Water, Nutrient Relationships
- 301 5% Reproductive Performance of Animals
- 302 10% Nutrient Utilization in Animals
- 307 15% Animal Management Systems
- 308 10% Improved Animal Products (Before Harvest)
- 311 15% Animal Diseases
- 315 5% Animal Welfare/Well-Being and Protection
- 401 5% Structures, Facilities, and General Purpose Farm Supplies
- 601 10% Economics of Agricultural Production and Farm Management
- 602 10% Business Management, Finance, and Taxation

V(C). Planned Program (Situation and Scope)**1. Situation and priorities**

The Maine livestock industry has two distinct sectors: large commercial farms and small integrated and diverse farms. The dairy industry has experienced a large consolidation of farms. While the number of dairy farms and the number of milk cows have decreased over the past ten years, milk production per cow has increased to 17,730 pounds in 2002, compared with 15,786 pounds in 1993. The total milk produced in Maine has remained level for the past several years, at approximately 655 millions pounds of milk a year.[i]

There has also been a shift in production techniques. Of the nearly 400 dairy farms licensed to sell milk in Maine, close to 80 farms are certified organic or are in transition to organic. The organic certification allows farmers to sell their milk for a premium, albeit with higher production costs.

All livestock farmers need access to information about their markets as well as on the care and feeding of their animals. Farm business management skills enable large and small farmers to make informed decisions about their operations. Farm management is more complex today than in previous times. Farmers need more detailed resources to inform decisions in order to keep ahead of the small profit margins. There is a difference in educational needs between large- and small-scale farmers. Despite the attrition of established farmers, there are men and women interested in starting livestock enterprises in Maine, who are looking for education about the basics of animal care.[ii]

[i] New England Agricultural Statistics Service, div. of USDA National Agricultural Statistics Service, "Milk Production," New England Agricultural Statistics 2003, page 95, <http://www.nass.usda.gov/nh/> (accessed July 2004).

[ii] Sharon Kiley Mack, "Farming Seminar For Women Slated This Fall In Turner," Bangor Daily News (Bangor, ME: June 16, 2004), 5.

2. Scope of the Program

- Multistate Research
- Integrated Research and Extension
- Multistate Extension
- In-State Research
- In-State Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

The Maine livestock industry faces challenges in the following areas:

- Farm profitability and price volatility.
- Animal health and livestock management such as nutrition and reproduction.
- Food safety and value-added production (on-farm processing).
- Niche marketing and diversification.
- Financial management and business planning.
- Consolidation of livestock farms and processing facilities, and vanishing infrastructure such as veterinarians, suppliers, and equipment.
- Environmental concerns (nutrient management, odor, particulate, silage effluent, mortality disposal).
- Education of the non-farm public (agricultural literacy); farm/non-farm relations.
- Farm use of biotechnology.

2. Ultimate goal(s) of this Program

- Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
- Enhance the safety, sustainability, and dependability of Maine's food supply.
- Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
- Increase the economic and social viability and sustainability of Maine communities.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2008	3.0	0.0	0.2	0.0
2009	3.0	0.0	0.3	0.0
2010	3.0	0.0	0.0	0.0
2011	3.0	0.0	0.0	0.0
2012	3.0	0.0	0.2	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

- Best Practices for Livestock Producers (Factsheet)
- Consultations - Livestock
- Cornell Dairy Farm Business Summary Participation
- Dairy Email Newsletters
- Efficiency Workshops for Livestock Operations
- Extension Livestock Website
- Farm Financial Recordkeeping Schools

Farmer Meetings
 Farmer Seminars
 Grass Farmers Network /Northeast Pasture Consortium
 Livestock Consultations
 Nutrient Management
 Pasture Walk
 Piscataquis Farming Newsletter
 Regional Organic Dairy Project

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Other 2 (Collaborative or Cooperative Eff) ● Other 1 (Applied Research) ● Demonstrations ● One-on-One Intervention ● Group Discussion ● Workshop 	<ul style="list-style-type: none"> ● Web sites ● Newsletters

3. Description of targeted audience

Agency Staff or Professionals (Adult)
 Agricultural Producers (Adult)
 Agricultural Workers (Adult)
 Beef Producers (Adult)
 Commercial Dairy Producers (Adult)
 Farmers (Adult)
 General Public (Adult)
 4-H Members (Youth)

V(G). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2008	989	1020	200	0
2009	962	1020	200	0
2010	964	1020	200	0
2011	967	1020	200	0
2012	967	1020	200	0

2. (Standard Research Target) Number of Patents

Expected Patents

2008 :0 2009 :0 2010 :0 2011 :0 2012 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target
2008	0	0
2009	0	0
2010	0	0
2011	0	0
2012	0	0

V(H). State Defined Outputs

1. Output Target

- Direct - Applied Research

2008 :3 2009 :3 2010 :3 2011 :2 2012 :2

- Direct - Collaborative or Cooperative Effort

2008 :60 2009 :60 2010 :60 2011 :60 2012 :60

- Direct - Consultation; phone, written, in-person

2008 :261 2009 :262 2010 :263 2011 :264 2012 :264

- Direct - Forum

2008 :5 2009 :5 2010 :5 2011 :5 2012 :5

- Direct - Pasture Walk

2008 :2 2009 :2 2010 :2 2011 :2 2012 :2

- Direct - Seminar

2008 :6 2009 :6 2010 :6 2011 :6 2012 :6

- Direct - Workshop - series

2008 :9 2009 :9 2010 :9 2011 :9 2012 :9

- Indirect - Publication - newsletter

2008 :18 2009 :18 2010 :18 2011 :18 2012 :18

- Indirect - Website

2008 :1 2009 :1 2010 :1 2011 :1 2012 :1

- Direct - Site visit

2008 :30 2009 :30 2010 :30 2011 :30 2012 :30

- Indirect - Publication - fact sheet

2008 :1 2009 :1 2010 : 1 2011 :1 2012 :1

- Direct - Group Presentation

2008 :13 2009 :13 2010 : 13 2011 :13 2012 :13

V(I). State Defined Outcome

1. Outcome Target

Acquire quality assurance certification

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :100 2009 : 100 2010 : 100 2011 :100 2012 : 100

3. Associated Knowledge Area(s)

- 307 - Animal Management Systems
- 308 - Improved Animal Products (Before Harvest)
- 315 - Animal Welfare/Well-Being and Protection
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Demonstrate animal management skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :295 2009 : 295 2010 : 295 2011 :295 2012 : 295

3. Associated Knowledge Area(s)

- 307 - Animal Management Systems

1. Outcome Target

Demonstrate basic business management skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :40 2009 : 40 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Demonstrate how to analyze records for decision making

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :25 2009 : 25 2010 : 25 2011 :25 2012 : 25

3. Associated Knowledge Area(s)

- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Demonstrate how to develop certified nutrient management plans

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 302 - Nutrient Utilization in Animals
- 307 - Animal Management Systems

1. Outcome Target

Demonstrate how to develop integrated farming systems

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :85 2009 : 85 2010 : 90 2011 :90 2012 : 90

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 307 - Animal Management Systems
- 308 - Improved Animal Products (Before Harvest)
- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Demonstrate how to effectively manage grasslands

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :155 2009 : 155 2010 : 155 2011 :155 2012 : 155

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 307 - Animal Management Systems

1. Outcome Target

Demonstrate how to feed animals with production and economy in mind

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :460 2009 : 460 2010 : 470 2011 :470 2012 : 470

3. Associated Knowledge Area(s)

- 307 - Animal Management Systems
- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Demonstrate how to maximize return on farm enterprise

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :100 2009 : 100 2010 : 100 2011 :100 2012 : 100

3. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management

- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Demonstrate production recordkeeping

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :248 **2009 :** 250 **2010 :** 252 **2011 :**252 **2012 :** 252

3. Associated Knowledge Area(s)

- 307 - Animal Management Systems
- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Demonstrate sound agricultural practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :250 **2009 :** 250 **2010 :** 250 **2011 :**250 **2012 :** 250

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 301 - Reproductive Performance of Animals
- 302 - Nutrient Utilization in Animals
- 307 - Animal Management Systems
- 308 - Improved Animal Products (Before Harvest)
- 311 - Animal Diseases
- 315 - Animal Welfare/Well-Being and Protection
- 401 - Structures, Facilities, and General Purpose Farm Supplies
- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Describe animal health programs

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :70 **2009 :** 70 **2010 :** 70 **2011 :**70 **2012 :** 70

3. Associated Knowledge Area(s)

- 307 - Animal Management Systems
- 311 - Animal Diseases
- 315 - Animal Welfare/Well-Being and Protection

1. Outcome Target

Describe financial management

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :110 **2009 :** 110 **2010 :** 110 **2011 :**110 **2012 :** 110

3. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Describe forages and forage quality

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :130 **2009 :** 130 **2010 :** 130 **2011 :**130 **2012 :** 130

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 307 - Animal Management Systems

1. Outcome Target

Describe nutrient sources, recycling and delivery methods that are compatible with crop, soil and production systems

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :155 **2009 :** 155 **2010 :** 155 **2011 :**155 **2012 :** 155

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 302 - Nutrient Utilization in Animals

1. Outcome Target

Describe record keeping and record keeping systems

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :30 **2009 :** 30 **2010 :** 30 **2011 :**30 **2012 :** 30

3. Associated Knowledge Area(s)

- 307 - Animal Management Systems
- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Describe sound animal production practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :280 **2009 :** 280 **2010 :** 280 **2011 :**280 **2012 :** 280

3. Associated Knowledge Area(s)

- 311 - Animal Diseases
- 601 - Economics of Agricultural Production and Farm Management

1. Outcome Target

Describe the benefits of grass-fed livestock

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :65 2009 : 65 2010 : 65 2011 :65 2012 : 65

3. Associated Knowledge Area(s)

- 307 - Animal Management Systems
- 311 - Animal Diseases
- 601 - Economics of Agricultural Production and Farm Management

1. Outcome Target

Describe the value of organic nutrient sources to sustainable cropping systems

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :40 2009 : 40 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 302 - Nutrient Utilization in Animals

1. Outcome Target

Adopt appropriate management strategies

2. Outcome Type : Change in Action Outcome Measure

2008 :70 2009 : 70 2010 : 70 2011 :70 2012 : 70

3. Associated Knowledge Area(s)

- 307 - Animal Management Systems
- 601 - Economics of Agricultural Production and Farm Management

1. Outcome Target

Adopt appropriate nutrient management strategies

2. Outcome Type : Change in Action Outcome Measure

2008 :30 2009 : 30 2010 : 30 2011 :30 2012 : 30

3. Associated Knowledge Area(s)

- 302 - Nutrient Utilization in Animals
- 307 - Animal Management Systems
- 315 - Animal Welfare/Well-Being and Protection

1. Outcome Target

Adopt appropriate technologies

2. Outcome Type : Change in Action Outcome Measure

2008 :60 2009 : 60 2010 : 60 2011 :60 2012 : 60

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 301 - Reproductive Performance of Animals
- 302 - Nutrient Utilization in Animals
- 307 - Animal Management Systems

- 308 - Improved Animal Products (Before Harvest)
- 311 - Animal Diseases
- 315 - Animal Welfare/Well-Being and Protection
- 401 - Structures, Facilities, and General Purpose Farm Supplies
- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Adopt practices that maintain long-term productivity

2. Outcome Type : Change in Action Outcome Measure

2008 :70 2009 : 70 2010 : 70 2011 :70 2012 : 70

3. Associated Knowledge Area(s)

- 301 - Reproductive Performance of Animals
- 307 - Animal Management Systems
- 315 - Animal Welfare/Well-Being and Protection
- 601 - Economics of Agricultural Production and Farm Management

1. Outcome Target

Adopt practices that maintain profitability

2. Outcome Type : Change in Action Outcome Measure

2008 :120 2009 : 120 2010 : 120 2011 :120 2012 : 120

3. Associated Knowledge Area(s)

- 307 - Animal Management Systems
- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Develop a business plan

2. Outcome Type : Change in Action Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Improve animal well-being

2. Outcome Type : Change in Action Outcome Measure

2008 :100 2009 : 100 2010 : 100 2011 :100 2012 : 100

3. Associated Knowledge Area(s)

- 307 - Animal Management Systems
- 308 - Improved Animal Products (Before Harvest)

- 311 - Animal Diseases
- 315 - Animal Welfare/Well-Being and Protection

1. Outcome Target

Keep accurate records

2. Outcome Type : Change in Action Outcome Measure

2008 :10 **2009 :** 10 **2010 :** 10 **2011 :**10 **2012 :** 10

3. Associated Knowledge Area(s)

- 307 - Animal Management Systems
- 311 - Animal Diseases
- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Maintain nutrient management certification

2. Outcome Type : Change in Action Outcome Measure

2008 :60 **2009 :** 60 **2010 :** 60 **2011 :**60 **2012 :** 60

3. Associated Knowledge Area(s)

- 302 - Nutrient Utilization in Animals

1. Outcome Target

Make better decisions using available diagnostics

2. Outcome Type : Change in Action Outcome Measure

2008 :100 **2009 :** 100 **2010 :** 100 **2011 :**100 **2012 :** 100

3. Associated Knowledge Area(s)

- 307 - Animal Management Systems
- 308 - Improved Animal Products (Before Harvest)
- 311 - Animal Diseases
- 315 - Animal Welfare/Well-Being and Protection

1. Outcome Target

Participate in Maine cattle health assurance program

2. Outcome Type : Change in Action Outcome Measure

2008 :70 **2009 :** 70 **2010 :** 70 **2011 :**70 **2012 :** 70

3. Associated Knowledge Area(s)

- 301 - Reproductive Performance of Animals
- 307 - Animal Management Systems
- 308 - Improved Animal Products (Before Harvest)
- 311 - Animal Diseases
- 315 - Animal Welfare/Well-Being and Protection

1. Outcome Target

Participate in farm animal identification program

2. Outcome Type : Change in Action Outcome Measure

2008 :500 2009 : 500 2010 : 500 2011 :500 2012 : 500

3. Associated Knowledge Area(s)

- 307 - Animal Management Systems

1. Outcome Target

Participate in livestock disease monitoring programs

2. Outcome Type : Change in Action Outcome Measure

2008 :30 2009 : 30 2010 : 30 2011 :30 2012 : 30

3. Associated Knowledge Area(s)

- 307 - Animal Management Systems
- 311 - Animal Diseases
- 315 - Animal Welfare/Well-Being and Protection

1. Outcome Target

Participate in livestock quality assurance program

2. Outcome Type : Change in Action Outcome Measure

2008 :100 2009 : 100 2010 : 100 2011 :100 2012 : 100

3. Associated Knowledge Area(s)

- 307 - Animal Management Systems
- 308 - Improved Animal Products (Before Harvest)
- 311 - Animal Diseases
- 315 - Animal Welfare/Well-Being and Protection

1. Outcome Target

Participate in relevant animal associations

2. Outcome Type : Change in Action Outcome Measure

2008 :75 2009 : 75 2010 : 75 2011 :75 2012 : 75

3. Associated Knowledge Area(s)

- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Participate in the Maine grass farmer network

2. Outcome Type : Change in Action Outcome Measure

2008 :200 2009 : 220 2010 : 220 2011 :220 2012 : 220

3. Associated Knowledge Area(s)

- 307 - Animal Management Systems
- 601 - Economics of Agricultural Production and Farm Management

1. Outcome Target

Use grasslands efficiently for feed and water quality protection

2. Outcome Type : Change in Action Outcome Measure

2008 :130 2009 : 130 2010 : 130 2011 :130 2012 : 130

3. Associated Knowledge Area(s)

- 307 - Animal Management Systems

1. Outcome Target

Use grasslands profitably

2. Outcome Type : Change in Action Outcome Measure

2008 :90 2009 : 90 2010 : 90 2011 :90 2012 : 90

3. Associated Knowledge Area(s)

- 311 - Animal Diseases
- 601 - Economics of Agricultural Production and Farm Management

1. Outcome Target

Use relevant UMCE web-based resources

2. Outcome Type : Change in Action Outcome Measure

2008 :300 2009 : 300 2010 : 300 2011 :300 2012 : 300

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 301 - Reproductive Performance of Animals
- 302 - Nutrient Utilization in Animals
- 307 - Animal Management Systems
- 308 - Improved Animal Products (Before Harvest)
- 311 - Animal Diseases
- 315 - Animal Welfare/Well-Being and Protection
- 401 - Structures, Facilities, and General Purpose Farm Supplies
- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 301 - Reproductive Performance of Animals
- 302 - Nutrient Utilization in Animals

- 307 - Animal Management Systems
- 308 - Improved Animal Products (Before Harvest)
- 311 - Animal Diseases
- 315 - Animal Welfare/Well-Being and Protection
- 401 - Structures, Facilities, and General Purpose Farm Supplies
- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Enhance the safety, sustainability, and dependability of Maine's food supply

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships
- 301 - Reproductive Performance of Animals
- 302 - Nutrient Utilization in Animals
- 307 - Animal Management Systems
- 308 - Improved Animal Products (Before Harvest)
- 311 - Animal Diseases
- 315 - Animal Welfare/Well-Being and Protection
- 401 - Structures, Facilities, and General Purpose Farm Supplies
- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

1. Outcome Target

Describe IPM technologies and benefits

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :5 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 102 - Soil, Plant, Water, Nutrient Relationships

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Public Policy changes
- Populations changes (immigration,new cultural groupings,etc.)
- Natural Disasters (drought,weather extremes,etc.)
- Government Regulations
- Appropriations changes
- Economy
- Competing Programatic Challenges
- Competing Public priorities

Description

Intentions for short-term evaluation: Numbers of participants, milk samples submitted, meetings and workshops held, numbers of clients attending meetings and work shops, publications/ articles written, bench mark data.

Intentions for medium-term evaluation: Milk quality data from processors, new management practices adopted, diagnostic lab submissions.

Intentions for long-term evaluation: Impact of programs on agricultural productivity and profitability.

V(K). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- Comparison between locales where the program operates and sites without program intervention
- During (during program)
- Before-After (before and after program)
- Case Study

Description

Intentions for short-term evaluation: Numbers of participants, milk samples submitted, meetings and workshops held, numbers of clients attending meetings and work shops, publications/ articles written, bench mark data.

Intentions for medium-term evaluation: Milk quality data from processors, new management practices adopted, diagnostic lab submissions.

Intentions for long-term evaluation: Impact of programs on agricultural productivity and profitability.

2. Data Collection Methods

- On-Site
- Mail
- Other (Email/Web surveys)
- Structured
- Case Study

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)**1. Name of the Planned Program**

Pest Management

2. Brief summary about Planned Program

The identification, management, and control of plant and animal pests is integral to the farming and horticulture industries, both conventional and organic, to the environment, and to human health. Through workshops, demonstrations, field days, school programs, and diagnostic services, information and training will be provided to farmers, pesticide applicators, teachers, students, and home owners. Websites, newsletters, and fact sheets will supplement educational programs and provide informational access to the general public.

3. Program existence : Mature (More than five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)**1. Program Knowledge Areas and Percentage**

- 211 25% Insects, Mites, and Other Arthropods Affecting Plants
- 212 18% Pathogens and Nematodes Affecting Plants
- 213 2% Weeds Affecting Plants
- 215 3% Biological Control of Pests Affecting Plants
- 216 47% Integrated Pest Management Systems
- 721 5% Insects and Other Pests Affecting Humans

V(C). Planned Program (Situation and Scope)**1. Situation and priorities**

Maine farmers and homeowners constantly face a wide array of pests that threaten crops, homes, and health. Appropriate management techniques allow most of us to successfully grow our crops and live safely. Yet effective, safe management of pests is becoming more challenging. There are an increasing number of emerging pests and diseases, including potato mop-top virus, new strains of potato late blight, West Nile virus, the hemlock woolly adelgid and others, that pose significant threats to Maine agriculture, the environment and human health. Additionally, as the costs of energy and other inputs increase, and long-term costs to our environment are recognized, the need for more affordable and sustainable pest management becomes more acute. Growers must maximize yield and quality while counterbalancing with a reduction of inputs to maximize profits and reduce environmental degradation.

The current market demand for perfect, pest and damage-free produce and crops, combined with the public's desire to decrease pesticide use for human health and environmental reasons, creates a difficult challenge for Maine farmers. Homeowners and farmers are increasingly at odds over the application of pesticides on farms adjacent to new or existing housing developments. Ironically, homeowners are increasing their own pesticide use. According to the Maine Board of Pesticides Control, from 1995 to 2001, the weight of pesticides brought into Maine for sales to homeowners more than doubled, from 800,000 to 1.8 million pounds. Pesticide resistance—as well as the withdrawal from the market of effective but risky products that have been long-established industry standards—creates the need for continual adjustment in all aspects of pest management. The number of organic farms and acreage is increasing. Organic farmers, with few options available to them, need appropriate and effective pest management alternatives. This is highly challenging but essential for success. However availability, costs and knowledge gaps have, in some cases, become major barriers to the use of organic and biological controls.

2. Scope of the Program

- In-State Research
- In-State Extension
- Multistate Extension
- Integrated Research and Extension
- Multistate Integrated Research and Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

The management of insects and other arthropods, plant diseases, weeds, vertebrates, and other pests is an integral part of the production of every major and minor commercial crop in Maine, including potatoes, blueberries, greenhouse/nursery crops, strawberries, brambles, apples, and corn, among others. The 7,200 farms in Maine generate agricultural crop sales valued at over \$450 million, and employ over 65,000 people. In 2003, the growing Maine environmental horticulture industry was valued at \$288 million dollars in plant production, landscape services, and wholesale/ retail sales. This industry has created 4,300 new jobs in the last five years. Without reliable and sustainable pest management strategies, these industries face severe crop losses resulting in significant reductions in profits and threats to their long-term viability. In addition to agricultural and commercial settings, IPM is important in home yard scapes and inside structures such as schools, homes, and businesses. Mosquito- and tick-borne human diseases such as West Nile virus and Lyme disease have emerged as major public health concerns.

2. Ultimate goal(s) of this Program

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
 Enhance the safety, sustainability, and dependability of Maine's food supply. .

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2008	10.1	0.0	1.2	0.0
2009	10.1	0.0	1.1	0.0
2010	10.1	0.0	1.1	0.0
2011	10.1	0.0	1.1	0.0
2012	10.1	0.0	1.1	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

- Client Consultation - Insect, Plant Disease, Pest Management
- Cranberry Integrated Pest Management
- Cranberry Integrated Pest Management Web Workshop
- Cranberry Related Fact Sheets
- Educational Entomological Display
- Fact Sheet - Wild Blueberry
- Field Day - Blueberry Hill Farm Annual
- Field Day - University of Maine Blueberry Hill Farm
- Grower Site Visits

Insect Education - Bugmaine-ia
 Integrated Pest Management
 IR4 Residue/Efficacy Insecticide Trial
 Maine Agricultural Trade Show
 Maine Cranberry Integrated Pest Management Guide
 Master Gardener Training - Pests
 Newsletter - Apple Pest Report
 Newsletter - Pest Alert
 Newsletter - Strawberry Integrated Pest Management
 Newsletter - Sweet Corn Integrated Pest Management
 Newsletter - Wild Blueberry
 Pest Management Conference
 Pesticide Applicator Training
 Pesticide Applicator Training Certification Exams
 Pesticide Applicator Training Educational Manuals
 Plant Disease Diagnostics
 Potato Integrated Pest Management
 Presentations - Apple Integrated Pest Management
 Public Presentations - Blueberries
 School Presentations - Pest Management
 Seminars and Training - Plant Disease Diagnostics
 Soil & Water Conservation District Agricultural Conservation Fairs
 Spring Wild Blueberry Meeting
 Strawberry Integrated Pest Management Program
 Sweet Corn Integrated Pest Management
 Teacher Training - Entomology
 Website - Apple Integrated Pest Management
 Website - New England Pest Management Network
 Website - Wild Blueberries
 Wild Blueberry Farmer Site Visits

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Group Discussion ● Other 2 (Conference or Symposium) ● One-on-One Intervention ● Education Class ● Demonstrations ● Other 1 (Collaborative or Cooperative Eff) ● Workshop 	<ul style="list-style-type: none"> ● Other 2 (Manual) ● Other 1 (Applied Research) ● Newsletters ● Web sites

3. Description of targeted audience

Agency Staff or Professionals (Adult)
 Agricultural Producers (Adult)
 Agricultural Workers (Adult)
 Blueberry Growers (Adult)
 Commercial Apple Growers (Adult)
 Commercial Cranberry Growers (Adult)
 Commercial Potato Growers (Adult)
 Commercial Sweet Corn Growers (Adult)
 Farmers (Adult)
 General Public (Adult)
 Home Gardeners (Adult)

Master Gardener Trainees (Adult)
 Pesticide Applicator Training Participants (Adult)
 Scientists (Adult)
 Teachers (Adult)
 Students (Youth)

V(G). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2008	7275	27000	5960	0
2009	7275	27000	5960	0
2010	7275	27000	5960	0
2011	7275	27000	5960	0
2012	7275	27000	5960	1460

2. (Standard Research Target) Number of Patents

Expected Patents

2008 :0 2009 :0 2010 :0 2011 :0 2012 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target
2008	0	0
2009	0	0
2010	0	0
2011	0	0
2012	0	0

V(H). State Defined Outputs

1. Output Target

- Direct - AV Resource

2008 :4 2009 :4 2010 :4 2011 :4 2012 :4

- Direct - Collaborative or Cooperative Effort

2008 :2455 2009 :2455 2010 :2455 2011 :2455 2012 :2455

- Direct - Course

2008 :290 2009 :295 2010 :300 2011 :310 2012 :310

● Direct - Demonstration Project					
2008 :137	2009 :137	2010 :137	2011 :137	2012 :137	
● Direct - Display or exhibit					
2008 :15	2009 :15	2010 :15	2011 :15	2012 :15	
● Direct - Group Presentation					
2008 :26	2009 :25	2010 :25	2011 :26	2012 :26	
● Direct - Public Presentation					
2008 :2	2009 :2	2010 :2	2011 :2	2012 :2	
● Direct - Seminar					
2008 :1	2009 :1	2010 :1	2011 :1	2012 :1	
● Direct - Site visit					
2008 :13	2009 :13	2010 :13	2011 :13	2012 :13	
● Direct - Volunteer Training					
2008 :7	2009 :7	2010 :7	2011 :7	2012 :7	
● Direct - Workshop - series					
2008 :13	2009 :13	2010 :13	2011 :13	2012 :13	
● Direct - Workshop - single session					
2008 :14	2009 :14	2010 :14	2011 :14	2012 :14	
● Indirect - Applied Research					
2008 :3	2009 :3	2010 :3	2011 :3	2012 :3	
● Indirect - Publication - booklet					
2008 :1	2009 :1	2010 :1	2011 :1	2012 :1	
● Indirect - Publication - fact sheet					
2008 :7	2009 :5	2010 :7	2011 :7	2012 :7	
● Indirect - Publication - manual					
2008 :1000	2009 :1000	2010 :1000	2011 :1000	2012 :1000	
● Indirect - Publication - newsletter					
2008 :44	2009 :44	2010 :44	2011 :44	2012 :44	

- Indirect - Website

2008 :552 2009 :552 2010 : 552 2011 :552 2012 :552

V(I). State Defined Outcome

1. Outcome Target

Adopt and maintain integrated pest management strategies

2. Outcome Type : Change in Action Outcome Measure

2008 :366 2009 : 372 2010 : 428 2011 :444 2012 : 444

3. Associated Knowledge Area(s)

- 211 - Insects, Mites, and Other Arthropods Affecting Plants
- 212 - Pathogens and Nematodes Affecting Plants
- 215 - Biological Control of Pests Affecting Plants
- 216 - Integrated Pest Management Systems
- 721 - Insects and Other Pests Affecting Humans

1. Outcome Target

Access relevant UMCE publications.

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :71 2009 : 122 2010 : 73 2011 :124 2012 : 124

3. Associated Knowledge Area(s)

- 211 - Insects, Mites, and Other Arthropods Affecting Plants
- 212 - Pathogens and Nematodes Affecting Plants
- 213 - Weeds Affecting Plants
- 215 - Biological Control of Pests Affecting Plants
- 216 - Integrated Pest Management Systems
- 721 - Insects and Other Pests Affecting Humans

1. Outcome Target

Access relevant UMCE web-based resources

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :83971 2009 : 85972 2010 : 95973 2011 :101974 2012 : 101974

3. Associated Knowledge Area(s)

- 211 - Insects, Mites, and Other Arthropods Affecting Plants
- 212 - Pathogens and Nematodes Affecting Plants
- 213 - Weeds Affecting Plants
- 215 - Biological Control of Pests Affecting Plants
- 216 - Integrated Pest Management Systems
- 721 - Insects and Other Pests Affecting Humans

1. Outcome Target

Demonstrate IPM techniques

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :1955 **2009 :** 1990 **2010 :** 2040 **2011 :**2070 **2012 :** 2070

3. Associated Knowledge Area(s)

- 216 - Integrated Pest Management Systems

1. Outcome Target

Demonstrate how to apply pesticides safely and effectively

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :1500 **2009 :** 1620 **2010 :** 1690 **2011 :**1830 **2012 :** 1830

3. Associated Knowledge Area(s)

- 211 - Insects, Mites, and Other Arthropods Affecting Plants
- 212 - Pathogens and Nematodes Affecting Plants
- 213 - Weeds Affecting Plants
- 215 - Biological Control of Pests Affecting Plants
- 216 - Integrated Pest Management Systems
- 721 - Insects and Other Pests Affecting Humans

1. Outcome Target

Demonstrate how to diagnose pest problems

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :2301 **2009 :** 2422 **2010 :** 2423 **2011 :**2534 **2012 :** 2534

3. Associated Knowledge Area(s)

- 211 - Insects, Mites, and Other Arthropods Affecting Plants
- 215 - Biological Control of Pests Affecting Plants
- 216 - Integrated Pest Management Systems
- 721 - Insects and Other Pests Affecting Humans

1. Outcome Target

Demonstrate how to manage pests based on appropriate thresholds

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :2186 **2009 :** 2192 **2010 :** 2243 **2011 :**2244 **2012 :** 2244

3. Associated Knowledge Area(s)

- 216 - Integrated Pest Management Systems

1. Outcome Target

Describe IPM techniques

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :1721 **2009 :** 1722 **2010 :** 1773 **2011 :**1774 **2012 :** 1774

3. Associated Knowledge Area(s)

- 216 - Integrated Pest Management Systems

1. Outcome Target

Describe advantages of new technologies to improve crop yield and quality and to reduce environmental impacts and off-farm inputs

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :800 2009 : 800 2010 : 800 2011 :800 2012 : 800

3. Associated Knowledge Area(s)

- 216 - Integrated Pest Management Systems

1. Outcome Target

Describe alternative pest manage techniques

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :85 2009 : 90 2010 : 90 2011 :90 2012 : 90

3. Associated Knowledge Area(s)

- 215 - Biological Control of Pests Affecting Plants
- 216 - Integrated Pest Management Systems

1. Outcome Target

Describe environmental risks

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :870 2009 : 950 2010 : 960 2011 :990 2012 : 990

3. Associated Knowledge Area(s)

- 211 - Insects, Mites, and Other Arthropods Affecting Plants
- 212 - Pathogens and Nematodes Affecting Plants
- 215 - Biological Control of Pests Affecting Plants
- 216 - Integrated Pest Management Systems
- 721 - Insects and Other Pests Affecting Humans

1. Outcome Target

Describe insects that affect agriculture

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :800 2009 : 800 2010 : 800 2011 :800 2012 : 800

3. Associated Knowledge Area(s)

- 211 - Insects, Mites, and Other Arthropods Affecting Plants
- 212 - Pathogens and Nematodes Affecting Plants
- 216 - Integrated Pest Management Systems

1. Outcome Target

Describe integrated pest management (IPM) in wild blueberries and cranberries.

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :60 **2009 :** 30 **2010 :** 30 **2011 :**60 **2012 :** 60

3. Associated Knowledge Area(s)

- 216 - Integrated Pest Management Systems

1. Outcome Target

Describe personal risks

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :700 **2009 :** 720 **2010 :** 770 **2011 :**830 **2012 :** 830

3. Associated Knowledge Area(s)

- 215 - Biological Control of Pests Affecting Plants
- 216 - Integrated Pest Management Systems
- 721 - Insects and Other Pests Affecting Humans

1. Outcome Target

Describe plant and animal disorders

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :1400 **2009 :** 1500 **2010 :** 1500 **2011 :**1580 **2012 :** 1580

3. Associated Knowledge Area(s)

- 211 - Insects, Mites, and Other Arthropods Affecting Plants
- 212 - Pathogens and Nematodes Affecting Plants
- 213 - Weeds Affecting Plants
- 215 - Biological Control of Pests Affecting Plants
- 216 - Integrated Pest Management Systems

1. Outcome Target

Describe sound agricultural practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :1200 **2009 :** 1200 **2010 :** 1200 **2011 :**1200 **2012 :** 1200

3. Associated Knowledge Area(s)

- 216 - Integrated Pest Management Systems

1. Outcome Target

Use UMaine Diagnostic Services

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :6332 **2009 :** 6733 **2010 :** 6733 **2011 :**7234 **2012 :** 7234

3. Associated Knowledge Area(s)

- 211 - Insects, Mites, and Other Arthropods Affecting Plants
- 212 - Pathogens and Nematodes Affecting Plants
- 721 - Insects and Other Pests Affecting Humans

1. Outcome Target

Acquire pesticide applicator certification

2. Outcome Type : Change in Action Outcome Measure

2008 :590 2009 : 590 2010 : 590 2011 :590 2012 : 590

3. Associated Knowledge Area(s)

- 216 - Integrated Pest Management Systems

1. Outcome Target

Adopt IPM strategies

2. Outcome Type : Change in Action Outcome Measure

2008 :100 2009 : 100 2010 : 100 2011 :100 2012 : 100

3. Associated Knowledge Area(s)

- 216 - Integrated Pest Management Systems

1. Outcome Target

Adopt appropriate technologies

2. Outcome Type : Change in Action Outcome Measure

2008 :650 2009 : 660 2010 : 660 2011 :670 2012 : 670

3. Associated Knowledge Area(s)

- 211 - Insects, Mites, and Other Arthropods Affecting Plants
- 212 - Pathogens and Nematodes Affecting Plants
- 213 - Weeds Affecting Plants
- 215 - Biological Control of Pests Affecting Plants
- 216 - Integrated Pest Management Systems
- 721 - Insects and Other Pests Affecting Humans

1. Outcome Target

Adopt practices that maintain long-term productivity

2. Outcome Type : Change in Action Outcome Measure

2008 :420 2009 : 420 2010 : 420 2011 :420 2012 : 420

3. Associated Knowledge Area(s)

- 216 - Integrated Pest Management Systems

1. Outcome Target

Adopt practices that maintain profitability

2. Outcome Type : Change in Action Outcome Measure

2008 :420 2009 : 420 2010 : 420 2011 :420 2012 : 420

3. Associated Knowledge Area(s)

- 216 - Integrated Pest Management Systems

1. Outcome Target

Develop environmentally sound technologies that improve economic viability

2. Outcome Type : Change in Action Outcome Measure

2008 :200 **2009 :** 200 **2010 :** 200 **2011 :**200 **2012 :** 200

3. Associated Knowledge Area(s)

- 216 - Integrated Pest Management Systems

1. Outcome Target

Expand IPM

2. Outcome Type : Change in Action Outcome Measure

2008 :352 **2009 :** 422 **2010 :** 442 **2011 :**442 **2012 :** 442

3. Associated Knowledge Area(s)

- 216 - Integrated Pest Management Systems

1. Outcome Target

Identify and respond to pest issues

2. Outcome Type : Change in Action Outcome Measure

2008 :2322 **2009 :** 2362 **2010 :** 2373 **2011 :**2394 **2012 :** 2394

3. Associated Knowledge Area(s)

- 211 - Insects, Mites, and Other Arthropods Affecting Plants
- 215 - Biological Control of Pests Affecting Plants
- 216 - Integrated Pest Management Systems
- 721 - Insects and Other Pests Affecting Humans

1. Outcome Target

Identify and respond to plant and animal disorders

2. Outcome Type : Change in Action Outcome Measure

2008 :250 **2009 :** 260 **2010 :** 270 **2011 :**280 **2012 :** 280

3. Associated Knowledge Area(s)

- 211 - Insects, Mites, and Other Arthropods Affecting Plants
- 212 - Pathogens and Nematodes Affecting Plants
- 215 - Biological Control of Pests Affecting Plants
- 216 - Integrated Pest Management Systems
- 721 - Insects and Other Pests Affecting Humans

1. Outcome Target

Improve IPM

2. Outcome Type : Change in Action Outcome Measure

2008 :532 **2009 :** 602 **2010 :** 583 **2011 :**654 **2012 :** 654

3. Associated Knowledge Area(s)

- 216 - Integrated Pest Management Systems

1. Outcome Target

Maintain pesticide applicator certification

2. Outcome Type : Change in Action Outcome Measure

2008 :3600 **2009 :** 3600 **2010 :** 3600 **2011 :**3600 **2012 :** 3600

3. Associated Knowledge Area(s)

- 216 - Integrated Pest Management Systems

1. Outcome Target

Make better decisions regarding pest management

2. Outcome Type : Change in Action Outcome Measure

2008 :1100 **2009 :** 1150 **2010 :** 1200 **2011 :**1200 **2012 :** 1200

3. Associated Knowledge Area(s)

- 216 - Integrated Pest Management Systems

1. Outcome Target

Reduce the use of high-risk pesticides

2. Outcome Type : Change in Action Outcome Measure

2008 :20 **2009 :** 20 **2010 :** 22 **2011 :**22 **2012 :** 22

3. Associated Knowledge Area(s)

- 213 - Weeds Affecting Plants
- 215 - Biological Control of Pests Affecting Plants
- 216 - Integrated Pest Management Systems

1. Outcome Target

Use pesticides safely

2. Outcome Type : Change in Action Outcome Measure

2008 :800 **2009 :** 850 **2010 :** 900 **2011 :**1000 **2012 :** 1000

3. Associated Knowledge Area(s)

- 211 - Insects, Mites, and Other Arthropods Affecting Plants
- 212 - Pathogens and Nematodes Affecting Plants
- 213 - Weeds Affecting Plants
- 215 - Biological Control of Pests Affecting Plants
- 216 - Integrated Pest Management Systems
- 721 - Insects and Other Pests Affecting Humans

1. Outcome Target

Use relevant UMCE web-based resources

2. Outcome Type : Change in Action Outcome Measure

2008 :20440 **2009 :** 20940 **2010 :** 21440 **2011 :**21940 **2012 :** 21940

3. Associated Knowledge Area(s)

- 211 - Insects, Mites, and Other Arthropods Affecting Plants

- 212 - Pathogens and Nematodes Affecting Plants
- 213 - Weeds Affecting Plants
- 215 - Biological Control of Pests Affecting Plants
- 216 - Integrated Pest Management Systems
- 721 - Insects and Other Pests Affecting Humans

1. Outcome Target

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 211 - Insects, Mites, and Other Arthropods Affecting Plants
- 212 - Pathogens and Nematodes Affecting Plants
- 213 - Weeds Affecting Plants
- 215 - Biological Control of Pests Affecting Plants
- 216 - Integrated Pest Management Systems
- 721 - Insects and Other Pests Affecting Humans

1. Outcome Target

Enhance the safety, sustainability, and dependability of Maine's food supply.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 211 - Insects, Mites, and Other Arthropods Affecting Plants
- 212 - Pathogens and Nematodes Affecting Plants
- 213 - Weeds Affecting Plants
- 215 - Biological Control of Pests Affecting Plants
- 216 - Integrated Pest Management Systems
- 721 - Insects and Other Pests Affecting Humans

1. Outcome Target

Describe cultural pest control practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :21 2009 : 22 2010 : 23 2011 :24 2012 : 24

3. Associated Knowledge Area(s)

- 211 - Insects, Mites, and Other Arthropods Affecting Plants
- 212 - Pathogens and Nematodes Affecting Plants
- 213 - Weeds Affecting Plants
- 215 - Biological Control of Pests Affecting Plants

- 216 - Integrated Pest Management Systems
- 721 - Insects and Other Pests Affecting Humans

1. Outcome Target

Describe the financial benefits of integrated pest management

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :21 2009 : 22 2010 : 23 2011 :24 2012 : 24

3. Associated Knowledge Area(s)

- 216 - Integrated Pest Management Systems

1. Outcome Target

Scout crops for pests

2. Outcome Type : Change in Action Outcome Measure

2008 :14 2009 : 16 2010 : 20 2011 :22 2012 : 22

3. Associated Knowledge Area(s)

- 211 - Insects, Mites, and Other Arthropods Affecting Plants
- 212 - Pathogens and Nematodes Affecting Plants
- 213 - Weeds Affecting Plants
- 215 - Biological Control of Pests Affecting Plants
- 216 - Integrated Pest Management Systems

1. Outcome Target

Describe IPM technologies and benefits

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :40 2009 : 40 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 216 - Integrated Pest Management Systems

1. Outcome Target

Describe production practices for wild blueberries and/or cranberries

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :400 2009 : 400 2010 : 400 2011 :400 2012 : 400

3. Associated Knowledge Area(s)

- 211 - Insects, Mites, and Other Arthropods Affecting Plants
- 212 - Pathogens and Nematodes Affecting Plants
- 213 - Weeds Affecting Plants
- 215 - Biological Control of Pests Affecting Plants
- 216 - Integrated Pest Management Systems

1. Outcome Target

Describe the health benefits of consuming wild blueberries and cranberries

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :1500

2009 : 1500

2010 : 1500

2011 :1500

2012 : 1500

3. Associated Knowledge Area(s)

- 216 - Integrated Pest Management Systems

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Competing Programatic Challenges
- Competing Public priorities
- Appropriations changes
- Economy
- Public Policy changes
- Natural Disasters (drought,weather extremes,etc.)
- Government Regulations
- Populations changes (immigration,new cultural groupings,etc.)

Description

{NO DATA ENTERED}

V(K). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- Comparison between locales where the program operates and sites without program intervention
- After Only (post program)

Description

Intentions for short-term evaluation: A written evaluation survey will be circulated to program participants and newsletter recipients.
Intentions for medium-term evaluation: A written evaluation survey will be circulated to program participants and newsletter recipients. In addition, the program will be evaluated by the Maine Potato Board and the Maine Potato Advisory Group or other stakeholder groups as determined.

Intentions for long-term evaluation: A written evaluation survey will be circulated to program participants and newsletter recipients. In addition, the program will be evaluated by the Maine Potato Board as well as the Maine Potato Advisory Group or other stakeholder groups as determined. Historical records will be used.

2. Data Collection Methods

- Mail
- Other (Email/Web surveys)
- On-Site

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)**1. Name of the Planned Program**

Sustainable Communities

2. Brief summary about Planned Program

Programs directed at the development of sustainable communities are multi-faceted, long-term efforts that engage individuals and families in different ways and in different settings. Based on local needs, programs will address social and environmental issues from fisheries management to food systems, community resource planning to consumer horticulture, and from conservation of natural resources to community and organizational development. Agricultural and fisheries industry members, community members, policy makers, and home gardeners will engage in public issues education, develop vision-to-action projects, and demonstrate sustainable practices.

3. Program existence : Mature (More than five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)**1. Program Knowledge Areas and Percentage**

- 111 15% Conservation and Efficient Use of Water
- 112 15% Watershed Protection and Management
- 133 10% Pollution Prevention and Mitigation
- 136 10% Conservation of Biological Diversity
- 403 10% Waste Disposal, Recycling, and Reuse
- 605 10% Natural Resource and Environmental Economics
- 608 10% Community Resource Planning and Development
- 724 10% Healthy Lifestyle
- 802 5% Human Development and Family Well-Being
- 803 5% Sociological and Technological Change Affecting Individuals, Families and Communities

V(C). Planned Program (Situation and Scope)**1. Situation and priorities**

Many communities are beginning to see that economic development, environmental quality, healthy families, and social equity are mutually supportive. The creation of sustainable communities encompasses “smart growth” responses to a complex matrix of issues relating to development, economy, growth, environment, and society.

There is no consensus, however, about the need for sustainable practices at the community level. We face a “crisis of perception” about the current situation and threats to future security. If Maine does not create a shared vision about the need to develop and foster sustainable communities, we will very likely pass along to future generations an environment that is depleted of high quality natural resources, an economy that serves the interests of investors but not citizens. Communities may become increasingly polarized, thus more stressful places to live.

Maine citizens, including families, business interests, organizational leaders, and municipal officials need information about the current community situation on which to base sound judgments. Collaborative techniques that encourage participation in building a shared vision of success, and examples of projects that have proved successful, provide the foundation of new opportunities to positively influence community life. Many partners are working in local areas and at the state level to provide information and facilitate community-based approaches to sustainability.

2. Scope of the Program

- In-State Extension
- Multistate Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

Community success is to often gauged by measures of population and economic growth. The perception is so pervasive that almost every American community is looking for ways to grow out of its problems, even when those problems are themselves the result of growth. It is easy to find examples of short-term thinking that pits economic growth against the health of citizens and the natural world. The creation of sustainable communities requires that development strategies integrate thinking beyond pure growth to include such things as affordable housing, local food production and marketing, ecotourism, tax reform, healthier life choices, and efforts to increase social justice.

2. Ultimate goal(s) of this Program

- Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
- Enhance the safety, sustainability, and dependability of Maine's food supply.
- Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
- Increase the economic and social viability and sustainability of Maine communities.
- Protect and enhance Maine's natural resources and environment through sustainable stewardship.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2008	2.1	0.0	0.0	0.0
2009	2.2	0.0	0.0	0.0
2010	2.2	0.0	0.0	0.0
2011	2.3	0.0	0.0	0.0
2012	2.3	0.0	0.0	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

- Collaborative Fisheries Management
- Food Donated to food cupboards and soup kitchens
- Large-scale community vision-to-action projects
- Local Food Community Field day
- Public Issue education through facilitated community forums and conferences
- Public Issue Education via Talk of the Towns and Family Radio Forum
- Smart Growth Demonstration Projects
- Smart Growth Programming
- Sustainability Series

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Group Discussion ● Education Class ● Workshop ● Demonstrations 	<ul style="list-style-type: none"> ● Other 1 (Radio)

3. Description of targeted audience

- Agricultural Producers (Adult)
- Commercial Fishing Industry Members (Adult)
- Commercial Fishing Industry Organization Members (Adult)
- Community Leaders (Adult)
- Community Members (Adult)
- Families (Adult)
- Home Gardeners (Adult)
- Policy Makers (Adult)
- Radio Program Audience (Adult)
- Home Gardeners (Youth)

V(G). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2008	815	7500	0	0
2009	1275	7500	0	0
2010	1375	7500	0	0
2011	1375	7500	0	0
2012	1375	7500	0	0

2. (Standard Research Target) Number of Patents

Expected Patents

2008 :0 2009 :0 2010 :0 2011 :0 2012 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target
2008	0	0
2009	0	0
2010	0	0
2011	0	0
2012	0	0

V(H). State Defined Outputs

1. Output Target

- Direct - Conference or symposium; Planning and/or participation

2008 :2 2009 :4 2010 :4 2011 :4 2012 :4

- Direct - Demonstration Project

2008 :21	2009 :21	2010 :21	2011 :21	2012 :21
● Direct - Public Presentation				
2008 :20	2009 :20	2010 :20	2011 :20	2012 :20
● Direct - Seminar				
2008 :1	2009 :1	2010 :1	2011 :1	2012 :1
● Direct - Workshop - series				
2008 :3	2009 :4	2010 :5	2011 :5	2012 :5
● Direct - Workshop - single session				
2008 :3	2009 :3	2010 :3	2011 :3	2012 :3
● Indirect - Radio Program				
2008 :24	2009 :24	2010 :24	2011 :24	2012 :24

V(I). State Defined Outcome

1. Outcome Target

Promote community responsibility and action

2. Outcome Type : Change in Action Outcome Measure

2008 :25	2009 :30	2010 :35	2011 :40	2012 :40
----------	----------	----------	----------	----------

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

1. Outcome Target

Promote personal responsibility and action

2. Outcome Type : Change in Action Outcome Measure

2008 :70	2009 :80	2010 :90	2011 :100	2012 :100
----------	----------	----------	-----------	-----------

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being

1. Outcome Target

Reduce use of fossil fuels

2. Outcome Type : Change in Action Outcome Measure

2008 :25	2009 :30	2010 :40	2011 :50	2012 :50
----------	----------	----------	----------	----------

3. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation

1. Outcome Target

Reduce waste stream

2. Outcome Type : Change in Action Outcome Measure

2008 :20 2009 : 30 2010 : 30 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation

1. Outcome Target

Reduces greenhouse gasses

2. Outcome Type : Change in Action Outcome Measure

2008 :25 2009 : 30 2010 : 35 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation
- 605 - Natural Resource and Environmental Economics

1. Outcome Target

Demonstrate how to assess and manage marine resources

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :180 2009 : 180 2010 : 180 2011 :180 2012 : 180

3. Associated Knowledge Area(s)

- 136 - Conservation of Biological Diversity
- 605 - Natural Resource and Environmental Economics

1. Outcome Target

Demonstrate how to compost

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :35 2009 : 35 2010 : 35 2011 :35 2012 : 35

3. Associated Knowledge Area(s)

- 403 - Waste Disposal, Recycling, and Reuse

1. Outcome Target

Demonstrate how to evaluate the effectiveness of existing policies or practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :40 2009 : 50 2010 : 50 2011 :140 2012 : 140

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

1. Outcome Target

Demonstrate how to influence environmentally-sound public policies

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :100 2009 : 100 2010 : 100 2011 :100 2012 : 100

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 133 - Pollution Prevention and Mitigation

- 403 - Waste Disposal, Recycling, and Reuse
- 605 - Natural Resource and Environmental Economics
- 608 - Community Resource Planning and Development

1. Outcome Target

Demonstrate sustainable living principles and practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :35 2009 : 35 2010 : 35 2011 :35 2012 : 35

3. Associated Knowledge Area(s)

- 605 - Natural Resource and Environmental Economics
- 724 - Healthy Lifestyle

1. Outcome Target

Describe fisheries management practices that are environmentally and socially sound and lead to long-term economic viability

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :40 2009 : 40 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 133 - Pollution Prevention and Mitigation
- 136 - Conservation of Biological Diversity

1. Outcome Target

Describe how to balance ecological, social and economic needs

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :40 2009 : 40 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 605 - Natural Resource and Environmental Economics

1. Outcome Target

Describe importance of involving a broad range of stakeholders to assess the skills, resources, opportunities present in their community

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

1. Outcome Target

Describe sources of locally-produced food

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :120 2009 : 120 2010 : 120 2011 :120 2012 : 120

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

1. Outcome Target

Describe sustainable living principles and practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :65 2009 : 65 2010 : 65 2011 :65 2012 : 65

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 133 - Pollution Prevention and Mitigation
- 136 - Conservation of Biological Diversity
- 403 - Waste Disposal, Recycling, and Reuse
- 605 - Natural Resource and Environmental Economics
- 608 - Community Resource Planning and Development
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being

1. Outcome Target

Describe the effects of individual and cumulative decisions and actions on local and global ecosystems

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :75 2009 : 100 2010 : 125 2011 :150 2012 : 150

3. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation
- 136 - Conservation of Biological Diversity
- 605 - Natural Resource and Environmental Economics

1. Outcome Target

Describe water and land interaction, and related water-quality issues

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :100 2009 : 125 2010 : 150 2011 :175 2012 : 175

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 605 - Natural Resource and Environmental Economics

1. Outcome Target

Describe ways to reduce climate change

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :60 2009 : 60 2010 : 60 2011 :60 2012 : 60

3. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation

- 403 - Waste Disposal, Recycling, and Reuse
- 605 - Natural Resource and Environmental Economics

1. Outcome Target

Adopt appropriate practices

2. Outcome Type : Change in Action Outcome Measure

2008 :220 2009 : 320 2010 : 420 2011 :520 2012 : 520

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 133 - Pollution Prevention and Mitigation
- 136 - Conservation of Biological Diversity
- 403 - Waste Disposal, Recycling, and Reuse
- 605 - Natural Resource and Environmental Economics
- 608 - Community Resource Planning and Development
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Adopt appropriate technologies

2. Outcome Type : Change in Action Outcome Measure

2008 :40 2009 : 40 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 133 - Pollution Prevention and Mitigation
- 136 - Conservation of Biological Diversity
- 403 - Waste Disposal, Recycling, and Reuse
- 605 - Natural Resource and Environmental Economics
- 608 - Community Resource Planning and Development
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Adopt lower impact lifestyles

2. Outcome Type : Change in Action Outcome Measure

2008 :15 2009 : 15 2010 : 15 2011 :15 2012 : 15

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 133 - Pollution Prevention and Mitigation
- 136 - Conservation of Biological Diversity
- 403 - Waste Disposal, Recycling, and Reuse
- 605 - Natural Resource and Environmental Economics
- 608 - Community Resource Planning and Development
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Conduct community service or outreach

2. Outcome Type : Change in Action Outcome Measure

2008 :32 2009 : 37 2010 : 42 2011 :47 2012 : 47

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

1. Outcome Target

Develop local food production and distribution systems

2. Outcome Type : Change in Action Outcome Measure

2008 :1 2009 : 1 2010 : 1 2011 :1 2012 : 1

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

1. Outcome Target

Increase consumption of locally-grown food

2. Outcome Type : Change in Action Outcome Measure

2008 :32 2009 : 37 2010 : 37 2011 :42 2012 : 42

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being

1. Outcome Target

Increase levels of community participation and decision making

2. Outcome Type : Change in Action Outcome Measure

2008 :42 2009 : 42 2010 : 42 2011 :42 2012 : 42

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

1. Outcome Target

Make better decisions regarding natural resource management

2. Outcome Type : Change in Action Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 133 - Pollution Prevention and Mitigation
- 136 - Conservation of Biological Diversity
- 605 - Natural Resource and Environmental Economics
- 608 - Community Resource Planning and Development

1. Outcome Target

Demonstrate ecologically-sound household management practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :15 2009 : 15 2010 : 15 2011 :15 2012 : 15

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate how to identify and access existing policies or practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

1. Outcome Target

Demonstrate how to reduce, reuse, recycle, and refuse

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 403 - Waste Disposal, Recycling, and Reuse

1. Outcome Target

Demonstrate strategies to create a preferred community future

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

1. Outcome Target

Describe ecological principles

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :15 2009 : 15 2010 : 15 2011 :15 2012 : 15

3. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation
- 136 - Conservation of Biological Diversity
- 403 - Waste Disposal, Recycling, and Reuse
- 605 - Natural Resource and Environmental Economics

1. Outcome Target

Describe ecologically-sound household management practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation
- 403 - Waste Disposal, Recycling, and Reuse
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Describe the importance and values of community involvement

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :30 2009 : 30 2010 : 30 2011 :30 2012 : 30

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Describe the process involved in affecting change in public policy

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

1. Outcome Target

Assess community needs

2. Outcome Type : Change in Action Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

1. Outcome Target

Balance roles, responsibilities, and stress

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being

1. Outcome Target

Compost

2. Outcome Type : Change in Action Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 403 - Waste Disposal, Recycling, and Reuse

1. Outcome Target

Facilitate community discussions

2. Outcome Type : Change in Action Outcome Measure

2008 :2 2009 : 2 2010 : 2 2011 :2 2012 : 2

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

1. Outcome Target

Increase use of Maine-produced natural resources

2. Outcome Type : Change in Action Outcome Measure

2008 :2 2009 : 3 2010 : 4 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 605 - Natural Resource and Environmental Economics

1. Outcome Target

Consume less

2. Outcome Type : Change in Action Outcome Measure

2008 :10 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 605 - Natural Resource and Environmental Economics
- 724 - Healthy Lifestyle

1. Outcome Target

Create demonstration model

2. Outcome Type : Change in Action Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 605 - Natural Resource and Environmental Economics

1. Outcome Target

Develop public policies or practices

2. Outcome Type : Change in Action Outcome Measure

2008 :3 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

1. Outcome Target

Engage positively in their community

2. Outcome Type : Change in Action Outcome Measure

2008 :10 2009 : 15 2010 : 20 2011 :25 2012 : 25

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Evaluate or analyze existing public policies or practices

2. Outcome Type : Change in Action Outcome Measure

2008 :4 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

1. Outcome Target

Promote healthy relationships

2. Outcome Type : Change in Action Outcome Measure

2008 :15 2009 : 20 2010 : 20 2011 :25 2012 : 25

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being

1. Outcome Target

Promote municipal responsibility and action

2. Outcome Type : Change in Action Outcome Measure

2008 :25 2009 : 30 2010 : 35 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 608 - Community Resource Planning and Development

1. Outcome Target

Reduce pesticide use

2. Outcome Type : Change in Action Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation

1. Outcome Target

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being

1. Outcome Target

Increase the economic and social viability and sustainability of Maine communities.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 605 - Natural Resource and Environmental Economics
- 608 - Community Resource Planning and Development
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Protect and enhance Maine's natural resources and environment through sustainable stewardship.

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 133 - Pollution Prevention and Mitigation
- 136 - Conservation of Biological Diversity
- 403 - Waste Disposal, Recycling, and Reuse
- 605 - Natural Resource and Environmental Economics
- 608 - Community Resource Planning and Development

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Competing Public priorities
- Appropriations changes
- Populations changes (immigration,new cultural groupings,etc.)
- Competing Programatic Challenges
- Natural Disasters (drought,weather extremes,etc.)
- Public Policy changes
- Economy
- Government Regulations

Description

{NO DATA ENTERED}

V(K). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- Comparisons between program participants (individuals,group,organizations) and non-participants
- Retrospective (post program)
- Comparisons between different groups of individuals or program participants experiencing different levels of program intensity.
- Before-After (before and after program)

Description

Intentions for short-term evaluation: Pre- and post-event evaluation instruments as well as retrospective evaluation instruments will be used to measure knowledge gained and skills learned.

Intentions for medium-term evaluation: Evaluation of changes in behavior, practice, decision-making, policy, and social action; evaluation of changes in civic engagement.

Intentions for long-term evaluation: Research on the long-term impact of changes in social, civic, organizational, economic, and environmental conditions.

2. Data Collection Methods

- Case Study
- Mail
- Structured
- Telephone
- Other (Email/Web surveys)

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)**1. Name of the Planned Program**

Watershed Management

2. Brief summary about Planned Program

Water is an important economic and environmental resource. Education on pollution sources and control, particularly non-point sources like agriculture and development, is key to the conservation of Maine's water resources. Our Watershed Management program will focus on volunteer training and outreach, watershed planning for municipalities, and education on addressing well-water and ground-water issues.

3. Program existence : Mature (More than five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)**1. Program Knowledge Areas and Percentage**

- 101 10% Appraisal of Soil Resources
- 111 20% Conservation and Efficient Use of Water
- 112 20% Watershed Protection and Management
- 131 10% Alternative Uses of Land
- 132 15% Weather and Climate
- 403 10% Waste Disposal, Recycling, and Reuse
- 901 15% Program and Project Design, and Statistics

V(C). Planned Program (Situation and Scope)**1. Situation and priorities**

In Maine, nutrient inputs from non-point sources are a primary cause of lake degradation.[i] The 1996 Maine Department of Environmental Protection (DEP) 305b report to the U.S. Environmental Protection Agency (EPA) stated that "control of non-point source pollution is crucial to protecting Maine lakes, groundwater, . . . smaller riverine water bodies and selected larger rivers."[ii, iii] Agriculture and development are the two major land uses that facilitate the movement of nutrients and other non-point pollutants to surface water and groundwater. Storm water runoff from developed areas causes nearly one third of all water quality deterioration in U.S. lakes, and is a significant source of pollution to inland and coastal waters in Maine.[iv-v] Habitat is degraded cumulatively, and often irreversibly, by individual land use decisions. Individual homeowners, community decision-makers, and lake and watershed associations need to know how water quality and habitat is influenced by watershed land use. Protection of Maine's water resources is more effective and efficient when all in a watershed work together.

Clean water is vital to Maine's economy both directly and indirectly. A 1996 University of Maine study of economics and Maine lakes found the following: [vi, vii]

- Each year, recreation on Maine lakes accounts for 13 million days of use.
- Recreation generates \$1.1 billion per year, with 15 percent of that brought in by nonresidents.
- Other uses of lake water (drinking water, youth camps) are worth at least \$400 million.
- Lakes that supply public drinking water provide 93.5 million user days per year, and are valued at over \$141 million.
- The total economic value of Maine lakes is \$6.7 billion, supporting over 50,000 Maine jobs.
- Declining lake water quality leads to lower property values.
- Loss of tax revenue to towns due to reduced property values would be significant.
- As many as 66 percent of Maine residents use lakes on an annual basis.[viii]

We depend on clean groundwater for drinking water. As many one third of Maine's 1.2 million residents rely on lakes for drinking water, with most of the remaining residents using streams or groundwater wells for public water supplies. The Maine Drinking Water Program regulates Maine's public water supplies; however, no standards or regulations exist for well water. Polluted runoff may contaminate wells with bacteria, and wells may contain harmful naturally occurring elements such as arsenic and uranium. Human health is at risk when people consume contaminated water. With close to half of Maine's population obtaining their water

from private supplies, this represents a considerable risk.

[i] Jeffrey Dennis, "Phosphorus Export from a Low Density Residential Watershed and an Adjacent Forested Watershed," Lake and Reservoir Management 2 (1986): 401-407.

[ii] Maine Department of Environmental Protection (DEP), State of Maine Water Quality Assessment (1996) DEPLW96-15.

[iii] U.S. Environmental Protection Agency (EPA), 2000 National Water Quality Inventory, <http://www.epa.gov/305b/2000report/> (accessed February, 2004).

[iv] U.S. EPA, Nonpoint Source Pollution: The Nation's Largest Water Quality Problem - Pointer No. 1, (Washington, D.C.: United States Environmental Protection Agency Office of Water, 1996), EPA841-F-96-004A.

[v] S. Carpenter, N.F. Caraco, D.L. Correll, R.W. Howarth, A.N. Sharpley, and V.H. Smith, "Nonpoint Pollution of Surface Waters with Phosphorus and Nitrogen," Ecological Applications 8 (1998): 559-568.

[vi] K.J. Boyle, S.R. Lawson, H.J. Michael and R. Bouchard, Lakefront Property Owners' Economic Demand for Water Clarity in Maine Lakes, Maine Agricultural and Forest Experiment Station Misc. Report 410 (September 1998).

[vii] K.J. Boyle, J. Scheutz, and J.S. Kahl, "Great Ponds Play an Integral Part in Maine's Economy," University of Maine Department of Resource Economics & Policy Staff Paper REP 473, (April 1997).

[viii] Maine DEP, The Economics of Lakes – Dollars and Sense, <http://www.state.me.us/dep/blwq/doclake/research.htm> (accessed July, 2004).

2. Scope of the Program

- Multistate Extension
- In-State Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

Maine is a water-rich state. We rely heavily on both surface and ground water for drinking water and agricultural irrigation. High quality surface water for recreation is important to our economic health and national image. Our water resources bring tourist dollars into the state each year.

2. Ultimate goal(s) of this Program

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
 Increase the economic and social viability and sustainability of Maine communities.
 Protect and enhance Maine's natural resources and environment through sustainable stewardship.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2008	1.4	0.0	0.5	0.0
2009	1.4	0.0	0.5	0.0
2010	1.4	0.0	0.5	0.0
2011	1.4	0.0	0.5	0.0
2012	1.4	0.0	0.5	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

Outreach Planning For Lake Groups Training
 Watershed Planning With Municipalities
 Watershed Stewards Program
 Well Water/Groundwater Education

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Workshop ● Other 1 (Public Presentation) 	<ul style="list-style-type: none"> ● {NO DATA ENTERED}

3. Description of targeted audience

General Public (Adult)
 Municipal Officials (Adult)
 Volunteers (Adult)
 Watershed Stewards (Adult)
 General Public (Youth)

V(G). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2008	98	0	10	0
2009	108	0	10	0
2010	108	0	10	0
2011	108	0	10	0
2012	108	0	10	0

2. (Standard Research Target) Number of Patents

Expected Patents

2008 :0 2009 :0 2010 :0 2011 :0 2012 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target
2008	0	0
2009	0	0
2010	0	0
2011	0	0
2012	0	0

V(H). State Defined Outputs

1. Output Target

- Direct - Public Presentation

2008 :2 2009 :2 2010 : 2 2011 :2 2012 :2

- Direct - Workshop - series

2008 :7 2009 :8 2010 :8 2011 :8 2012 :8

- Direct - Workshop - single session

2008 :2 2009 :2 2010 : 2 2011 :2 2012 :2

V(I). State Defined Outcome

1. Outcome Target

Define a watershed

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :120 2009 : 140 2010 : 160 2011 :190 2012 : 190

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management

1. Outcome Target

Demonstrate how to assess and manage marine resources

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :160 2009 : 160 2010 : 160 2011 :160 2012 : 160

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 132 - Weather and Climate
- 403 - Waste Disposal, Recycling, and Reuse

1. Outcome Target

Demonstrate how to create outreach plans

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :6 2009 : 6 2010 : 6 2011 :6 2012 : 6

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 901 - Program and Project Design, and Statistics

1. Outcome Target

Demonstrate how to identify invasive species

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :50 2009 : 50 2010 : 50 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management

1. Outcome Target

Demonstrate how to install conservation plantings using primarily native plants

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 131 - Alternative Uses of Land

1. Outcome Target

Demonstrate knowledge of when and how to obtain a wellwater test

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :50 2009 : 50 2010 : 50 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management

1. Outcome Target

Describe how to install or enhance vegetated buffers

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :70 2009 : 70 2010 : 70 2011 :70 2012 : 70

3. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 112 - Watershed Protection and Management

1. Outcome Target

Describe the effects of individual and cumulative decisions and actions on local and global ecosystems

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :75 2009 : 100 2010 : 125 2011 :150 2012 : 150

3. Associated Knowledge Area(s)

- 132 - Weather and Climate

1. Outcome Target

Describe the need for storm water management at individual site

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :120 2009 : 120 2010 : 120 2011 :120 2012 : 120

3. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 112 - Watershed Protection and Management

- 131 - Alternative Uses of Land
- 403 - Waste Disposal, Recycling, and Reuse

1. Outcome Target

Describe the value of community involvement and civic participation

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :30 2009 : 30 2010 : 30 2011 :30 2012 : 30

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 901 - Program and Project Design, and Statistics

1. Outcome Target

Describe threats to freshwater quality

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :90 2009 : 90 2010 : 90 2011 :90 2012 : 90

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 403 - Waste Disposal, Recycling, and Reuse

1. Outcome Target

Describe threats to water quality from land use practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :80 2009 : 80 2010 : 80 2011 :80 2012 : 80

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 131 - Alternative Uses of Land
- 403 - Waste Disposal, Recycling, and Reuse

1. Outcome Target

Describe water and land interaction, and related water-quality issues

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :100 2009 : 125 2010 : 150 2011 :175 2012 : 175

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 131 - Alternative Uses of Land
- 132 - Weather and Climate
- 403 - Waste Disposal, Recycling, and Reuse

1. Outcome Target

Conduct a watershed survey

2. Outcome Type : Change in Action Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management

1. Outcome Target

Identify pollution sources

2. Outcome Type : Change in Action Outcome Measure

2008 :50 2009 : 50 2010 : 50 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 403 - Waste Disposal, Recycling, and Reuse

1. Outcome Target

Install or enhance conservation plantings using primarily native plants

2. Outcome Type : Change in Action Outcome Measure

2008 :25 2009 : 30 2010 : 50 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management

1. Outcome Target

Install or enhance vegetated buffers

2. Outcome Type : Change in Action Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 111 - Conservation and Efficient Use of Water
- 131 - Alternative Uses of Land

1. Outcome Target

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 131 - Alternative Uses of Land
- 132 - Weather and Climate

- 403 - Waste Disposal, Recycling, and Reuse
- 901 - Program and Project Design, and Statistics

1. Outcome Target

Increase the economic and social viability and sustainability of Maine communities

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 131 - Alternative Uses of Land
- 132 - Weather and Climate
- 403 - Waste Disposal, Recycling, and Reuse
- 901 - Program and Project Design, and Statistics

1. Outcome Target

Protect and enhance Maine's natural resources and environment through sustainable stewardship

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 131 - Alternative Uses of Land
- 132 - Weather and Climate
- 403 - Waste Disposal, Recycling, and Reuse
- 901 - Program and Project Design, and Statistics

1. Outcome Target

Describe how to become involved in local town government

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :5 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 901 - Program and Project Design, and Statistics

1. Outcome Target

Describe the need for storm water management at municipal level

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :15 2009 : 15 2010 : 15 2011 :15 2012 : 15

3. Associated Knowledge Area(s)

- 112 - Watershed Protection and Management
- 132 - Weather and Climate
- 403 - Waste Disposal, Recycling, and Reuse

1. Outcome Target

Act on the results of a well-water test

2. Outcome Type : Change in Action Outcome Measure

2008 :10 2009 : 15 2010 : 15 2011 :15 2012 : 15

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management

1. Outcome Target

Address water quality issues when making land and water use and planning decisions

2. Outcome Type : Change in Action Outcome Measure

2008 :2 2009 : 2 2010 : 2 2011 :2 2012 : 2

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management

1. Outcome Target

Be involved in town government

2. Outcome Type : Change in Action Outcome Measure

2008 :5 2009 : 5 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 901 - Program and Project Design, and Statistics

1. Outcome Target

Conduct community service or outreach

2. Outcome Type : Change in Action Outcome Measure

2008 :5 2009 : 5 2010 : 5 2011 :5 2012 : 5

3. Associated Knowledge Area(s)

- 101 - Appraisal of Soil Resources
- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 131 - Alternative Uses of Land
- 132 - Weather and Climate

- 403 - Waste Disposal, Recycling, and Reuse
- 901 - Program and Project Design, and Statistics

1. Outcome Target

Identify and remediate pollution sources

2. Outcome Type : Change in Action Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water
- 112 - Watershed Protection and Management
- 403 - Waste Disposal, Recycling, and Reuse

1. Outcome Target

Promote municipal responsibility and action

2. Outcome Type : Change in Action Outcome Measure

2008 :25 2009 : 30 2010 : 35 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 901 - Program and Project Design, and Statistics

1. Outcome Target

Test well-water

2. Outcome Type : Change in Action Outcome Measure

2008 :20 2009 : 30 2010 : 30 2011 :30 2012 : 30

3. Associated Knowledge Area(s)

- 111 - Conservation and Efficient Use of Water

1. Outcome Target

Use services of natural resource professionals

2. Outcome Type : Change in Action Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 901 - Program and Project Design, and Statistics

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Populations changes (immigration,new cultural groupings,etc.)
- Competing Programatic Challenges
- Economy
- Natural Disasters (drought,weather extremes,etc.)
- Appropriations changes
- Government Regulations
- Competing Public priorities
- Public Policy changes

Description

{NO DATA ENTERED}

V(K). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- Other (Water Testing)
- After Only (post program)

Description

Intentions for short-term evaluation: After program/workshop evaluations using learning indicators, well water tests.

Intentions for medium-term evaluation: Measure action items such as testing well water, implement survey.

Intentions for long-term evaluation: Five- and ten-year program review through surveys and phone interviews, use long-term water quality in lakes.

2. Data Collection Methods

- Mail
- Case Study
- Other (Email/Web surveys, Water Testing)
- Telephone

Description

{NO DATA ENTERED}

V(A). Planned Program (Summary)

1. Name of the Planned Program

Youth Development

2. Brief summary about Planned Program

In line with our statewide needs assessments and National 4-H mission mandates, the Maine 4-H Youth Development program has four focus areas: Youth in Governance; Healthy Lifestyles; Science and Technology; and Earth Connections. Maine youth and their volunteer leaders will participate in workshops, experiential learning, clubs, after-school programs, camps, and international exchange programs. As a result, they will gain knowledge and life skills that will support their development into engaged, responsible citizens committed to a sustainable future.

3. Program existence : Mature (More than five years)

4. Program duration : Long-Term (More than five years)

5. Expending formula funds or state-matching funds : Yes

6. Expending other than formula funds or state-matching funds : Yes

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

- 133 5% Pollution Prevention and Mitigation
- 134 15% Outdoor Recreation
- 724 20% Healthy Lifestyle
- 801 5% Individual and Family Resource Management
- 802 15% Human Development and Family Well-Being
- 803 10% Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 3% Community Institutions, Health, and Social Services
- 806 27% Youth Development

V(C). Planned Program (Situation and Scope)

1. Situation and priorities

Maine is a rural state, and home to over 230,000 youth between the ages of 5 and 17.[i] The following statistics and facts support the need for UMaine Extension to emphasize life skills development in five categories:

Workforce preparation: The Maine Learning Results require that each student leave school as a clear and effective communicator, a self-directed and life-long learner, a creative and practical problem solver, a responsible and involved citizen, a collaborative and quality worker and an integrative and informed thinker.[ii] Over the past five years there has been a 14 percent increase in the number of high school dropouts and a 14 percent increase in teens not attending school and not working.[iii]

Media literacy and technology: The Kaiser Foundation found that the average child between 8 and 18 years of age spends more time with television, video games, music, and the Internet than they spend at school or with parents.[iv] even though forty-two percent of children in Maine are unable to access the Internet from home.[v]

Youth leadership: Approximately 44 percent of Maine youth engage in community service and volunteerism.[vi] Students engaged in service learning show an increase in awareness of community needs, believe they can make a difference, and are committed to volunteerism now and in the future.[vii]

Out-of-school time: Twenty-three percent of Maine's K-12 youth are responsible for taking care of themselves after school.

Currently, only 15 percent of Maine's K-12 youth participate in after-school programs.[viii]

Healthy lifestyle choices: In the last five years Maine has reported a 14 percent increase in teen deaths (by accident, homicide, and suicide), six percent higher than the national average.[ix]

[i] U.S. Census Bureau, U.S. Census 2000, <http://www.census.gov>.

[ii] Maine State Department of Education, State of Maine Learning Results, <http://www.state.me.us/education/lres/homepage.htm> (accessed July 2004).

[iii] The Annie E. Casey Foundation, Kids Count 2004 Data Book, <http://www.aecf.org/kidscount/databook/> (accessed July 2004).

[iv] Donald F. Roberts, Ulla Foehr, Victoria J. Rideout, and Mollyann Brodie., Kids & Media @ The New Millennium, (The Herbert J. Kaiser Family Foundation, November 1999), <http://www.kff.org/entmedia/loader.cfm?>

url=/commons/spot/security/getfile.cfm&PageID=13267 (accessed July 2004).

[v] Casey Foundation, Kids Count.

[vi] USM Edmund S. Muskie School of Public Service, Maine Marks for Children, Families and Communities (June 2003), <http://www.mainemarks.org/>.

[vii] A. Melchior, National Evaluation of Learn and Serve America, (Waltham, MA: Brandeis University, 1999).

[viii] Afterschool Alliance, America After 3 pm, http://www.afterschoolalliance.org/press_archives/america_3pm/ME_NR.pdf (accessed July 2004).

[ix] Casey Foundation, Kids Count.

2. Scope of the Program

- In-State Research
- Multistate Extension
- In-State Extension

V(D). Planned Program (Assumptions and Goals)

1. Assumptions made for the Program

If Maine chooses to ignore these issues, youth will not get the guidance needed to develop the life skills necessary to be successful, and will continue to struggle with making healthy choices. This will affect their workforce preparation and potentially decrease their aspirations. The difficulty of making positive choices increases with a lack of after-school opportunities: many young people are more likely to engage in risky behavior during the time period immediately after school, from 4:00–8:00 p.m. In 2000, 10,885 children were arrested in Maine.[i] Lack of technology will further isolate rural Maine. Because of the volume of media youth are exposed to, it is imperative that they become media literate. According to the Maine Department of Education, approximately 70 percent of youth who graduate from high school will further their education. However, there are concerns that in the more rural and economically depressed counties those percentages are lower.[ii]

[i] Federal Bureau of Investigation, Arrested Persons by State (2000), <http://www.fbi.gov/ucr/00cius.htm> (accessed July 2004).

[ii] ME Dept of Education, Graduates on to post secondary schools - history, by county and unit - public schools, <http://www.state.me.us/education/enroll/grads/historical/gradtrend.htm> (accessed July 2004).

2. Ultimate goal(s) of this Program

- Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
- Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
- Increase the economic and social viability and sustainability of Maine communities.
- Protect and enhance Maine's natural resources and environment through sustainable stewardship.

V(E). Planned Program (Inputs)

1. Estimated Number of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2008	8.9	0.0	0.3	0.0
2009	8.1	0.0	0.1	0.0
2010	8.1	0.0	0.1	0.0
2011	8.1	0.0	0.1	0.0
2012	8.1	0.0	0.1	0.0

V(F). Planned Program (Activity)

1. Activity for the Program

4-H Afterschool

- 4-H Civil Rights Teams
- 4-H Club Leader Development and Support
- 4-H County Club Programs
- 4-H Dairy Challenge
- 4-H Earth Connections Club Kits
- 4-H Earth Connections Day Camp
- 4-H Earth Connections Programs - School Enrichment
- 4-H Fairs
- 4-H Livestock Activities
- 4-H Super Sitter
- Adult 4-H Volunteer Trainings
- Agricultural Job Exploration
- Community Collaborative Healthy Lifestyle Program
- County 4-H Leadership Team
- County Executive Committee Support
- Cumberland County 4-H School Enrichment
- Gender Project- Youth
- Healthy Life Styles- Community Programs
- Healthy Lifestyles- Safe Operation of Farm Tractors and Equipment
- Healthy Lifestyles: 4-H School Enrichment
- Japanese Exchange Program
- Maine 4-H GIS/GPS Project-Cumberland County
- Maine 4-H GIS/GPS Project-Franklin County
- Maine 4-H International Exchanges/month long summer exchange
- 4-H Volunteer Training
- Operation Military Kids
- School GIS/GPS programs
- Science and Technology
- Summer Camps
- Tanglewood Leadership Program
- Tanglewood Summer Residential Camp
- Teen and Older 4-H Member Leadership Development
- York County 4-H Discovery Arts
- Youth Adult Tech Teams
- Youth In Governance

2. Type(s) of methods to be used to reach direct and indirect contacts

Extension	
Direct Methods	Indirect Methods
<ul style="list-style-type: none"> ● Other 1 (Collaborative or Cooperative Eff) ● Education Class ● Workshop ● One-on-One Intervention ● Other 2 (4-H Day and Overnight Camp) ● Group Discussion 	<ul style="list-style-type: none"> ● {NO DATA ENTERED}

3. Description of targeted audience

- 4-H Leaders (Adult)
- 4-H Volunteers (Adult)
- Agricultural Workers (Adult)
- Community Leaders (Adult)
- Community Members (Adult)
- County Executive Committee Members (Adult)
- Families (Adult)

- General Public (Adult)
- Parents (Adult)
- Teachers (Adult)
- Volunteers (Adult)
- 4-H Community or Project Clubs Participants (Youth)
- 4-H Independent Members (Youth)
- 4-H Leader or Project Skills Training Program Participants (Youth)
- 4-H Leaders (Youth)
- 4-H Members (Youth)
- 4-H Special Interest or Short-Term Program Participants (Youth)
- 4-H Volunteers (Youth)
- Community Members (Youth)
- General Public (Youth)
- School Enrichment Program Participants (Youth)
- Students (Youth)
- Youth (Youth)

V(G). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons(contacts) to be reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
2008	1300	0	4600	0
2009	1290	0	5200	0
2010	1290	0	4600	0
2011	1300	0	5000	0
2012	1300	0	5500	0

2. (Standard Research Target) Number of Patents

Expected Patents

2008 :0 2009 :0 2010 :0 2011 :0 2012 :0

3. Expected Peer Review Publications

Year	Research Target	Extension Target
2008	0	0
2009	0	0
2010	0	0
2011	0	0
2012	0	0

V(H). State Defined Outputs

1. Output Target

- Direct - 4-H After School

	2008 :12	2009 :12	2010 : 12	2011 :12	2012 :12
● Direct - 4-H Club - Community					
	2008 :20	2009 :25	2010 : 25	2011 :25	2012 :25
● Direct - 4-H Club - Project					
	2008 :130	2009 :100	2010 : 100	2011 :145	2012 :145
● Direct - 4-H Day Camp					
	2008 :6	2009 :7	2010 : 7	2011 :7	2012 :7
● Direct - 4-H Overnight Camp					
	2008 :525	2009 :525	2010 : 525	2011 :525	2012 :525
● Direct - 4-H School Enrichment					
	2008 :50	2009 :40	2010 : 40	2011 :40	2012 :40
● Direct - 4-H Short-term					
	2008 :6	2009 :6	2010 : 6	2011 :6	2012 :6
● Direct - 4-H Special Interest					
	2008 :250	2009 :250	2010 : 250	2011 :250	2012 :250
● Direct - Experiential Learning					
	2008 :5	2009 :5	2010 : 4	2011 :4	2012 :4
● Direct - Collaborative or Cooperative Effort					
	2008 :5	2009 :2	2010 : 2	2011 :2	2012 :2
● Direct - Volunteer Training					
	2008 :70	2009 :60	2010 : 60	2011 :60	2012 :60
● Direct - Workshop Series					
	2008 :13	2009 :13	2010 : 13	2011 :13	2012 :13

V(I). State Defined Outcome

1. Outcome Target

Demonstrate animal handling practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :465	2009 : 475	2010 : 475	2011 :475	2012 : 475
------------------	-------------------	-------------------	------------------	-------------------

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Demonstrate basic facilitation skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :40 2009 : 55 2010 : 70 2011 :85 2012 : 85

3. Associated Knowledge Area(s)

- 805 - Community Institutions, Health, and Social Services
- 806 - Youth Development

1. Outcome Target

Demonstrate best practices for community groups and organizations

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :100 2009 : 100 2010 : 100 2011 :100 2012 : 100

3. Associated Knowledge Area(s)

- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Demonstrate conflict management or mediation skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :110 2009 : 130 2010 : 140 2011 :150 2012 : 150

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 806 - Youth Development

1. Outcome Target

Demonstrate effective collaboration skills and techniques

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :100 2009 : 100 2010 : 100 2011 :100 2012 : 100

3. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate effective relationship skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :300 2009 : 300 2010 : 300 2011 :300 2012 : 300

3. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate healthy lifestyle choices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :460 **2009 :** 380 **2010 :** 380 **2011 :**230 **2012 :** 230

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate how to apply animal behavior principles to safe animal management and handling

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :100 **2009 :** 100 **2010 :** 150 **2011 :**150 **2012 :** 150

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Demonstrate how to build relationships

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :100 **2009 :** 100 **2010 :** 100 **2011 :**100 **2012 :** 100

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate how to collect and analyze data

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :190 **2009 :** 150 **2010 :** 150 **2011 :**150 **2012 :** 150

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Demonstrate how to communicate effectively

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :160 **2009 :** 175 **2010 :** 190 **2011 :**205 **2012 :** 205

3. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate how to confront disrespectful behavior

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :60 **2009 :** 80 **2010 :** 90 **2011 :**100 **2012 :** 100

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Demonstrate how to create effective partnerships

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :40 2009 : 60 2010 : 80 2011 :100 2012 : 100

3. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate how to create new media that promotes positive human development

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate how to create safe spaces

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :40 2009 : 50 2010 : 50 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate how to effectively lead organizations or community groups

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :45 2009 : 60 2010 : 75 2011 :90 2012 : 90

3. Associated Knowledge Area(s)

- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Demonstrate how to identify native flora and fauna

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :40 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Demonstrate how to identify needs that can be met through community service activities

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :240 2009 : 265 2010 : 190 2011 :190 2012 : 190

3. Associated Knowledge Area(s)

- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Demonstrate how to keep good records

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :250 2009 : 275 2010 : 300 2011 :350 2012 : 350

3. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation
- 801 - Individual and Family Resource Management
- 805 - Community Institutions, Health, and Social Services
- 806 - Youth Development

1. Outcome Target

Demonstrate how to operate farm equipment safely

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :52 2009 : 52 2010 : 52 2011 :52 2012 : 52

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Demonstrate how to reduce, reuse, recycle, and refuse

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :90 2009 : 90 2010 : 90 2011 :90 2012 : 90

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management
- 806 - Youth Development

1. Outcome Target

Demonstrate how to respect others

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :400 2009 : 400 2010 : 600 2011 :600 2012 : 600

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate how to respond to an emergency situation

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate how to set goals and priorities

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :300 2009 : 400 2010 : 400 2011 :400 2012 : 400

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate how to support development of whole people

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :100 2009 : 100 2010 : 100 2011 :100 2012 : 100

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate how to use basic facilitation skills to run effective meetings

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Demonstrate how to use dietary guidelines and food guide pyramid to plan menus or choose foods

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :90 2009 : 90 2010 : 90 2011 :90 2012 : 90

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Demonstrate how to use science process skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :100 2009 : 100 2010 : 125 2011 :125 2012 : 125

3. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate how to use technology

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :525 2009 : 570 2010 : 530 2011 :530 2012 : 530

3. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate improved communication skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :400 2009 : 400 2010 : 400 2011 :400 2012 : 400

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate leadership skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :710 2009 : 710 2010 : 750 2011 :790 2012 : 790

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate planning and organizational skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :600 2009 : 600 2010 : 650 2011 :675 2012 : 675

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate positive engagement in their communities

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :180 2009 : 200 2010 : 200 2011 :200 2012 : 200

3. Associated Knowledge Area(s)

- 806 - Youth Development

1. Outcome Target

Demonstrate project-related science or technology skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :300 2009 : 300 2010 : 300 2011 :300 2012 : 300

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Demonstrate public speaking skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :200 **2009 :** 250 **2010 :** 300 **2011 :**350 **2012 :** 350

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Demonstrate safe behavior and safety practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :275 **2009 :** 195 **2010 :** 195 **2011 :**195 **2012 :** 195

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Demonstrate science and technology skills needed in the workforce

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :255 **2009 :** 175 **2010 :** 175 **2011 :**175 **2012 :** 175

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Describe another culture

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :70 **2009 :** 70 **2010 :** 70 **2011 :**70 **2012 :** 70

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Describe benefits of community involvement

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :180 **2009 :** 100 **2010 :** 100 **2011 :**100 **2012 :** 100

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Describe careers in science and technology

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :245 **2009 :** 245 **2010 :** 245 **2011 :**245 **2012 :** 245

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Describe gender stereotypes and their effects

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :50 2009 : 50 2010 : 50 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Describe healthy lifestyle choices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :790 2009 : 790 2010 : 790 2011 :790 2012 : 790

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Describe how to integrate regular physical activity into daily lives in a variety of ways

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :340 2009 : 340 2010 : 340 2011 :340 2012 : 340

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Describe learning that occurred through a service activity

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :60 2009 : 60 2010 : 60 2011 :60 2012 : 60

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Describe principles of good communication

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :190 2009 : 190 2010 : 190 2011 :190 2012 : 190

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Describe science and technology skills needed in the workforce

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :55 2009 : 35 2010 : 35 2011 :35 2012 : 35

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Describe self as part of the web of life

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :1520 **2009 :** 1480 **2010 :** 1480 **2011 :**1480 **2012 :** 1480

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Describe sustainable living principles and practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :788 **2009 :** 788 **2010 :** 788 **2011 :**788 **2012 :** 788

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Describe the benefits of physical activity

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :40 **2009 :** 40 **2010 :** 40 **2011 :**40 **2012 :** 40

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Describe the ecosystems where they live

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :780 **2009 :** 780 **2010 :** 780 **2011 :**780 **2012 :** 780

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Describe the effect of cultural and media messages

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :50 **2009 :** 50 **2010 :** 50 **2011 :**50 **2012 :** 50

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Describe the effects of decisions and actions on local and global ecosystems

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :90 **2009 :** 90 **2010 :** 90 **2011 :**90 **2012 :** 90

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Describe the health dangers of childhood obesity

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :60 2009 : 60 2010 : 60 2011 :60 2012 : 60

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Describe the laws of ecology

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :780 2009 : 740 2010 : 740 2011 :740 2012 : 740

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Describe the value of community involvement and civic participation

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :50 2009 : 50 2010 : 50 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Demonstrate appreciation of diversity

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :155 2009 : 165 2010 : 165 2011 :165 2012 : 165

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Describe the watershed where they live

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :80 2009 : 80 2010 : 80 2011 :80 2012 : 80

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Describe ways science and technology skills can be useful to the community

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :50 2009 : 50 2010 : 50 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle

1. Outcome Target

Describe ways to observe, explore, and experience nature

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :128 2009 : 88 2010 : 88 2011 :88 2012 : 88

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 806 - Youth Development

1. Outcome Target

Develop a plan for increasing physical activity

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :90 2009 : 90 2010 : 90 2011 :90 2012 : 90

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 806 - Youth Development

1. Outcome Target

Learn to develop a plan to help prevent childhood obesity

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :50 2009 : 50 2010 : 50 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being

1. Outcome Target

Conduct tours of agricultural employers in Maine

2. Outcome Type : Change in Action Outcome Measure

2008 :3 2009 : 3 2010 : 3 2011 :3 2012 : 3

3. Associated Knowledge Area(s)

- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Adopt appropriate technologies

2. Outcome Type : Change in Action Outcome Measure

2008 :230 2009 : 240 2010 : 240 2011 :250 2012 : 250

3. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation
- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 806 - Youth Development

1. Outcome Target

Adopt lower impact lifestyles

2. Outcome Type : Change in Action Outcome Measure

2008 :750 2009 : 750 2010 : 750 2011 :750 2012 : 750

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 806 - Youth Development

1. Outcome Target

Adopt the USDA dietary guidelines and the food guide pyramid

2. Outcome Type : Change in Action Outcome Measure

2008 :40 2009 : 40 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 806 - Youth Development

1. Outcome Target

Assume personal responsibility for health

2. Outcome Type : Change in Action Outcome Measure

2008 :215 2009 : 215 2010 : 215 2011 :215 2012 : 215

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 806 - Youth Development

1. Outcome Target

Balance roles, responsibilities, and stress

2. Outcome Type : Change in Action Outcome Measure

2008 :100 2009 : 100 2010 : 100 2011 :100 2012 : 100

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 806 - Youth Development

1. Outcome Target

Be a global citizen

2. Outcome Type : Change in Action Outcome Measure

2008 :235 **2009 :** 135 **2010 :** 135 **2011 :**135 **2012 :** 135

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 806 - Youth Development

1. Outcome Target

Conduct community service or outreach

2. Outcome Type : Change in Action Outcome Measure

2008 :1400 **2009 :** 1400 **2010 :** 1460 **2011 :**1460 **2012 :** 1460

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 806 - Youth Development

1. Outcome Target

Conduct community service or outreach using science and technology skills

2. Outcome Type : Change in Action Outcome Measure

2008 :300 **2009 :** 300 **2010 :** 300 **2011 :**300 **2012 :** 300

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 806 - Youth Development

1. Outcome Target

Create and sustain effective partnerships and collaborations

2. Outcome Type : Change in Action Outcome Measure

2008 :140 **2009 :** 140 **2010 :** 140 **2011 :**140 **2012 :** 140

3. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Create learning opportunities based on principles of positive human development

2. Outcome Type : Change in Action Outcome Measure

2008 :800 **2009 :** 800 **2010 :** 800 **2011 :**800 **2012 :** 800

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities

1. Outcome Target

Create learning opportunities that are safe and empowering

2. Outcome Type : Change in Action Outcome Measure

2008 :250 **2009 :** 250 **2010 :** 250 **2011 :**250 **2012 :** 250

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Develop a financial plan

2. Outcome Type : Change in Action Outcome Measure

2008 :300 **2009 :** 350 **2010 :** 350 **2011 :**350 **2012 :** 350

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management

1. Outcome Target

Develop a sense of belonging to a community

2. Outcome Type : Change in Action Outcome Measure

2008 :970 **2009 :** 1020 **2010 :** 1070 **2011 :**1120 **2012 :** 1120

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 806 - Youth Development

1. Outcome Target

Develop community resources

2. Outcome Type : Change in Action Outcome Measure

2008 :100 **2009 :** 100 **2010 :** 100 **2011 :**100 **2012 :** 100

3. Associated Knowledge Area(s)

- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Develop literacy and critical thinking skills

2. Outcome Type : Change in Action Outcome Measure

2008 :100 **2009 :** 100 **2010 :** 100 **2011 :**100 **2012 :** 100

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 806 - Youth Development

1. Outcome Target

Develop skills that promote healthy relationships

2. Outcome Type : Change in Action Outcome Measure

2008 :750 **2009 :** 950 **2010 :** 950 **2011 :**950 **2012 :** 950

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 806 - Youth Development

1. Outcome Target

Engage in leadership development

2. Outcome Type : Change in Action Outcome Measure

2008 :100 **2009 :** 100 **2010 :** 100 **2011 :**100 **2012 :** 100

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 806 - Youth Development

1. Outcome Target

Engage positively in their community

2. Outcome Type : Change in Action Outcome Measure

2008 :765 **2009 :** 815 **2010 :** 865 **2011 :**915 **2012 :** 915

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 806 - Youth Development

1. Outcome Target

Ensure that all people feel safe and accepted

2. Outcome Type : Change in Action Outcome Measure

2008 :640 **2009 :** 750 **2010 :** 750 **2011 :**750 **2012 :** 750

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 806 - Youth Development

1. Outcome Target

Facilitate meetings effectively

2. Outcome Type : Change in Action Outcome Measure

2008 :90 **2009** : 130 **2010** : 170 **2011** :185 **2012** : 185

3. Associated Knowledge Area(s)

- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Handle animals safely

2. Outcome Type : Change in Action Outcome Measure

2008 :460 **2009** : 380 **2010** : 380 **2011** :380 **2012** : 380

3. Associated Knowledge Area(s)

- 806 - Youth Development

1. Outcome Target

Identify and solve problems using science and technology skills

2. Outcome Type : Change in Action Outcome Measure

2008 :395 **2009** : 400 **2010** : 400 **2011** :400 **2012** : 400

3. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 806 - Youth Development

1. Outcome Target

Increase capacity to achieve goals

2. Outcome Type : Change in Action Outcome Measure

2008 :100 **2009** : 125 **2010** : 150 **2011** :200 **2012** : 200

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 802 - Human Development and Family Well-Being
- 806 - Youth Development

1. Outcome Target

Increase capacity to establish goals or make decisions

2. Outcome Type : Change in Action Outcome Measure

2008 :600 **2009** : 650 **2010** : 700 **2011** :715 **2012** : 715

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 802 - Human Development and Family Well-Being
- 806 - Youth Development

1. Outcome Target

Integrate regular physical activity into daily life

2. Outcome Type : Change in Action Outcome Measure

2008 :520 2009 : 520 2010 : 520 2011 :520 2012 : 520

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 806 - Youth Development

1. Outcome Target

Keep livestock healthy

2. Outcome Type : Change in Action Outcome Measure

2008 :100 2009 : 100 2010 : 100 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 806 - Youth Development

1. Outcome Target

Make better decisions

2. Outcome Type : Change in Action Outcome Measure

2008 :300 2009 : 300 2010 : 300 2011 :300 2012 : 300

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 806 - Youth Development

1. Outcome Target

Make better decisions regarding healthy lifestyle

2. Outcome Type : Change in Action Outcome Measure

2008 :1175 2009 : 1175 2010 : 1175 2011 :1175 2012 : 1175

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 806 - Youth Development

1. Outcome Target

Make better decisions regarding healthy lifestyle using improved literacy and critical thinking skills

2. Outcome Type : Change in Action Outcome Measure

2008 :200 2009 : 200 2010 : 200 2011 :200 2012 : 200

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 806 - Youth Development

1. Outcome Target

Manage community resources

2. Outcome Type : Change in Action Outcome Measure

2008 :50 2009 : 50 2010 : 50 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Model positive group behavior to others

2. Outcome Type : Change in Action Outcome Measure

2008 :100 2009 : 100 2010 : 100 2011 :100 2012 : 100

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 806 - Youth Development

1. Outcome Target

Operate equipment safely

2. Outcome Type : Change in Action Outcome Measure

2008 :30 2009 : 30 2010 : 30 2011 :30 2012 : 30

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 806 - Youth Development

1. Outcome Target

Participate in leadership roles

2. Outcome Type : Change in Action Outcome Measure

2008 :360 2009 : 300 2010 : 330 2011 :350 2012 : 350

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 806 - Youth Development

1. Outcome Target

Participation in 4-H Dairy projects and events

2. Outcome Type : Change in Action Outcome Measure

2008 :100 2009 : 100 2010 : 100 2011 :100 2012 : 100

3. Associated Knowledge Area(s)

- 806 - Youth Development

1. Outcome Target

Practice safety

2. Outcome Type : Change in Action Outcome Measure

2008 :180 **2009 :** 100 **2010 :** 100 **2011 :**100 **2012 :** 100

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 806 - Youth Development

1. Outcome Target

Support and mentor others in leadership roles

2. Outcome Type : Change in Action Outcome Measure

2008 :200 **2009 :** 200 **2010 :** 200 **2011 :**200 **2012 :** 200

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 806 - Youth Development

1. Outcome Target

Take leadership role

2. Outcome Type : Change in Action Outcome Measure

2008 :50 **2009 :** 75 **2010 :** 100 **2011 :**100 **2012 :** 100

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle

1. Outcome Target

Teach effectively

2. Outcome Type : Change in Action Outcome Measure

2008 :100 **2009 :** 100 **2010 :** 100 **2011 :**100 **2012 :** 100

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 806 - Youth Development

1. Outcome Target

Treat all people with dignity and respect

2. Outcome Type : Change in Action Outcome Measure

2008 :770 **2009 :** 770 **2010 :** 770 **2011 :**770 **2012 :** 770

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 806 - Youth Development

1. Outcome Target

Use clear and effective communication skills

2. Outcome Type : Change in Action Outcome Measure

2008 :600 **2009 :** 700 **2010 :** 750 **2011 :**600 **2012 :** 600

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 806 - Youth Development

1. Outcome Target

Use new technologies

2. Outcome Type : Change in Action Outcome Measure

2008 :858 **2009 :** 650 **2010 :** 650 **2011 :**650 **2012 :** 650

3. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation
- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 806 - Youth Development

1. Outcome Target

Work effectively with diverse groups

2. Outcome Type : Change in Action Outcome Measure

2008 :800 **2009 :** 900 **2010 :** 900 **2011 :**900 **2012 :** 900

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 806 - Youth Development

1. Outcome Target

Work productively in a team

2. Outcome Type : Change in Action Outcome Measure

2008 :350 **2009 :** 350 **2010 :** 370 **2011 :**400 **2012 :** 400

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 806 - Youth Development

1. Outcome Target

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation
- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 806 - Youth Development

1. Outcome Target

Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation
- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 806 - Youth Development

1. Outcome Target

Increase the economic and social viability and sustainability of Maine communities

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation
- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 806 - Youth Development

1. Outcome Target

Protect and enhance Maine's natural resources and environment through sustainable stewardship

2. Outcome Type : Change in Condition Outcome Measure

2008 :0 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 133 - Pollution Prevention and Mitigation
- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 801 - Individual and Family Resource Management
- 802 - Human Development and Family Well-Being
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 806 - Youth Development

1. Outcome Target

Demonstrate animal management skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 806 - Youth Development

1. Outcome Target

Demonstrate effective leadership skills and strategies

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :10 2009 : 10 2010 : 10 2011 :10 2012 : 10

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 806 - Youth Development

1. Outcome Target

Describe age-appropriate safety practices

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 806 - Youth Development

1. Outcome Target

Describe careers in non-production agriculture

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :2 2009 : 2 2010 : 2 2011 :2 2012 : 2

3. Associated Knowledge Area(s)

- 806 - Youth Development

1. Outcome Target

Describe diversity

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :35 2009 : 35 2010 : 35 2011 :35 2012 : 35

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services
- 806 - Youth Development

1. Outcome Target

Describe science process skills

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :40 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 806 - Youth Development

1. Outcome Target

Describe the impact of cultural and media messages

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :30 2009 : 30 2010 : 30 2011 :30 2012 : 30

3. Associated Knowledge Area(s)

- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being

- 806 - Youth Development

1. Outcome Target

Describe the value of diversity

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :40 2009 : 50 2010 : 50 2011 :50 2012 : 50

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 724 - Healthy Lifestyle
- 802 - Human Development and Family Well-Being
- 806 - Youth Development

1. Outcome Target

Describe the value of good communication

2. Outcome Type : Change in Knowledge Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 802 - Human Development and Family Well-Being
- 806 - Youth Development

1. Outcome Target

Collect information and communicate results

2. Outcome Type : Change in Action Outcome Measure

2008 :65 2009 : 30 2010 : 40 2011 :40 2012 : 40

3. Associated Knowledge Area(s)

- 801 - Individual and Family Resource Management
- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Increase volunteerism

2. Outcome Type : Change in Action Outcome Measure

2008 :20 2009 : 20 2010 : 20 2011 :20 2012 : 20

3. Associated Knowledge Area(s)

- 803 - Sociological and Technological Change Affecting Individuals, Families and Communities
- 805 - Community Institutions, Health, and Social Services

1. Outcome Target

Lead effectively

2. Outcome Type : Change in Action Outcome Measure

2008 :40 2009 : 55 2010 : 70 2011 :85 2012 : 85

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation
- 806 - Youth Development

1. Outcome Target

Promote healthy relationships

2. Outcome Type : Change in Action Outcome Measure

2008 :80 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 802 - Human Development and Family Well-Being
- 805 - Community Institutions, Health, and Social Services
- 806 - Youth Development

1. Outcome Target

Protect or conserve biodiversity and habitat including native plant and animal species

2. Outcome Type : Change in Action Outcome Measure

2008 :40 2009 : 0 2010 : 0 2011 :0 2012 : 0

3. Associated Knowledge Area(s)

- 134 - Outdoor Recreation

V(J). Planned Program (External Factors)

1. External Factors which may affect Outcomes

- Appropriations changes
- Government Regulations
- Public Policy changes
- Economy
- Populations changes (immigration,new cultural groupings,etc.)
- Competing Programatic Challenges
- Natural Disasters (drought,weather extremes,etc.)
- Competing Public priorities

Description

{NO DATA ENTERED}

V(K). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- During (during program)
- Comparisons between program participants (individuals,group,organizations) and non-participants
- Retrospective (post program)

Description

Intentions for short-term evaluation: Retrospective evaluation, surveys, skill competencies and demonstrations.

Intentions for medium-term evaluation: Life skills wheel data, project records, skill applications.

Intentions for long-term evaluation: Portfolios, 4-H stories, interviews of youth and adults.

2. Data Collection Methods

- Structured
- Observation
- Mail
- Other (Email/Web Surveys)
- On-Site

Description

{NO DATA ENTERED}