

2007 University of Maine Extension Plan of Work

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.

With these Plans of Work, we present the results of a comprehensive process of renewal that has facilitated an increased understanding of needs in Maine, and has adjusted educational programming and discover (including applied research) to meet those needs. The process has allowed us to critically evaluate learning, action, and condition changes in the lives of Maine citizens. Consequently, we will focus on 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 2011, 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 to be budgeted for this plan.

Year	Extension		Research	
	1862	1890	1862	1890
2007	94.8	0.0	8.9	0.0
2008	94.4	0.0	6.8	0.0
2009	89.7	0.0	5.7	0.0
2010	87.8	0.0	5.2	0.0
2011	93.5	0.0	5.1	0.0

Merit Review Process

The merit review process that will be employed during the 5-Year Plan of Work cycle

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

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 will be 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 initial list of proposed reviewers for each issue area:

Aging Lifestyles

Maine Office of Elder Services (Mary Walsh)

UMaine Center on Aging (Leonard Kaye)

Agriculture – Crop Production

Maine Board of Agriculture

Maine Organic Farmers and Gardeners Association

Agriculture – Sustainable Business Management

Maine Department of Agriculture, Food and Rural Resources (Commissioner)

Coastal and Marine

UMaine School of Marine Sciences (Jim McCleaves)

Maine Department of Marine Resources (Linda Mercer)

Maine Aquaculture Association (Sebastian Belle)

Community Development: Capacity-Building Skills

Maine Community Foundation (Ann Tart)

Entrepreneurship – Small and Home-Based Business

Small Business Development Center (John Massua)

Environmental Education – Sustainable Living

UMaine College of Education and Human Development (Mary Bird)

Family Relations and Transitions

UMaine College of Education and Human Development (Gary Schilmoeller)

Food Safety

New Hampshire Cooperative Extension (Catherine Violette)

Maine Department of Agriculture, Food and Rural Resources (Division Directors)

Forestry and Wildlife

Natural Resources Conservation Service (Sally Butler)

USDA Forest Service Northeastern Research Station (Roger Monthey)

Health Literacy, Disease, and Our Health Care System

Maine Center for Disease Control and Prevention (Christine Lyman)

Healthy Lifestyles

Maine Nutrition Network (Chris Sady)

Home Horticulture

University of Southern Maine Department of Horticulture (Rick Churchill)

Maine Department of Agriculture, Food, and Rural Resources (Ann Gibbs)

Maine Livestock Industry

Maine Dairy Industry Association (Julie Marie)

Maine Department of Agriculture, Food, and Rural Resources (Shelley Doak)

Pest Management

Maine Board of Pesticides Control (Gary Fish, Kathy Murray)

Sustainable Communities

UMaine Department of Resource Economics and Policy (Stewart Smith)

Watershed Management

Maine Department of Environmental Protection (Roy Bouchard)

Youth Development

New Hampshire Cooperative Extension (Wendy Brock)

We will undergo a comprehensive CSREES program review at the anticipated rate of one per year.

Our Plans of Work will be reviewed on an ongoing basis by New England Planning and Reporting Consortium partners, which include Extension programs in Maine, Massachusetts, New Hampshire, and Vermont. We will set up a rotating system by selecting a different state plan each year, thereby undergoing a review every four years.

Results of this review process will be considered by members of our program leadership teams, educators, and administrators as plans are updated annually.

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)?

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 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. 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 Women's Agricultural Network, the PRO New England online pest management resource, and the Organic Livestock Research and Education Consortium.

Stakeholder Input

1. Actions taken to seek stakeholder input that encourages their participation (Check all that apply)

- Use of media to announce public meetings and listening sessions
- Targeted invitation to traditional stakeholder groups
- Targeted invitation to traditional stakeholder individuals
- Targeted invitation to non-traditional stakeholder individuals
- Targeted invitation to selected individuals from general public
- Survey of traditional stakeholder groups
- Survey of traditional stakeholder individuals
- Other

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
- Needs Assessments
- Use Surveys
- Other

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 stakeholders and to collect input from them

1. Methods for collecting Stakeholder Input

- Meeting with traditional Stakeholder groups
- Meeting with traditional Stakeholder individuals
- Meeting with the general public (open meeting advertised to all)
- Meeting specifically with non-traditional groups
- Other

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 programming intentions for 2007–2011.

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 will be asked 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 Extension Programs
- Redirect Research 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.

1. Name of the Planned Program**Aging Lifestyles****2. Program knowledge areas**

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

3. Program existence

- Mature (More than five years)

4. Program duration

- Long-Term (More than five years)

5. 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.

6. 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).

7. 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.

8. 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.

9. Scope of Program

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

Inputs for the Program

10. Expending formula funds or state-matching funds

- Yes

11. Expending other than formula funds or state-matching funds

- Yes

12. Expending amount of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2007	0.4	0.0	0.2	0.0
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

Outputs for the Program

13. Activity (What will be done?)

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

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

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

15. Description of targeted audience

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

16. 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
2007	160	275	0	0
2008	160	275	0	0
2009	160	275	0	0
2010	160	275	0	0
2011	160	275	0	0

17. (Standard Research Target) Number of Patents

Expected Patents	
Year	Target
2007	0
2008	0
2009	0
2010	0
2011	0

18. Output measures**Output Text**

Direct - Collaborative or Cooperative Effort

2007 Target: 6
 2008 Target: 6
 2009 Target: 6
 2010 Target: 6
 2011 Target: 6

Output Text

Direct - Workshop - single session

2007 Target: 1
 2008 Target: 1
 2009 Target: 1
 2010 Target: 1
 2011 Target: 1

Output Text

Indirect - Website

2007 Target: 5
 2008 Target: 5
 2009 Target: 5
 2010 Target: 5
 2011 Target: 5

Outcomes for the Program**19. Outcome measures****Outcome Text: Awareness created****Outcome Text**

Access relevant UMCE web-based resources

Outcome Type: Short

2007 Target: 400

2008 Target: 400

2009 Target: 400

2010 Target: 400

2011 Target: 400

Outcome Text

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

Outcome Type: Short

2007 Target: 3

2008 Target: 3

2009 Target: 3

2010 Target: 3

2011 Target: 3

Outcome Text

Describe how to care for and nurture others

Outcome Type: Short

2007 Target: 10

2008 Target: 10

2009 Target: 10

2010 Target: 10

2011 Target: 10

Outcome Text

Describe how to manage stress.

Outcome Type: Short

2007 Target: 10

2008 Target: 10

2009 Target: 10

2010 Target: 10

2011 Target: 10

Outcome Text

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

Outcome Type: Short

2007 Target: 10

2008 Target: 10

2009 Target: 10

2010 Target: 10

2011 Target: 10

Outcome Text

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

Outcome Type: Short

2007 Target: 10

2008 Target: 10

2009 Target: 10

2010 Target: 10

2011 Target: 10

Outcome Text

Balance roles, responsibilities, and stress

Outcome Type: Medium

2007 Target: 5

2008 Target: 5

2009 Target: 5

2010 Target: 5

2011 Target: 5

Outcome Text

Care for and nurture others

Outcome Type: Medium

2007 Target: 5

2008 Target: 5

2009 Target: 5

2010 Target: 5

2011 Target: 5

Outcome Text

Evaluate and analyze existing employer policies or practices

Outcome Type: Medium

2007 Target: 3

2008 Target: 3

2009 Target: 3

2010 Target: 3

2011 Target: 3

Outcome Text

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

Outcome Type: Medium

2007 Target: 5

2008 Target: 5

2009 Target: 5

2010 Target: 5

2011 Target: 5

Outcome Text

Use programs and services that support independent living

Outcome Type: Medium

2007 Target: 5

2008 Target: 5

2009 Target: 5

2010 Target: 5

2011 Target: 5

Outcome Text

Use relevant UMCE web-based resources

Outcome Type: Medium

2007 Target: 300

2008 Target: 300

2009 Target: 300

2010 Target: 300

2011 Target: 300

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

20. External factors which may affect outcomes

- Economy
- Appropriations changes
- Public Policy changes
- Competing Public priorities
- Competing Programatic Challenges

Description

{NO DATA ENTERED}

21. 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.

22. Data Collection Methods

- On-Site
- Structured
- Observation
- Journals
- Other

Description

{NO DATA ENTERED}

1. Name of the Planned Program

Agriculture - Crop Production

2. Program knowledge areas

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

3. Program existence

- Mature (More than five years)

4. Program duration

- Long-Term (More than five years)

5. 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.

6. 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.

7. 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.

8. 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.

9. Scope of Program

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

Inputs for the Program

10. Expending formula funds or state-matching funds

- Yes

11. Expending other then formula funds or state-matching funds

- Yes

12. Expending amount of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2007	10.9	0.0	2.1	0.0
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	17.2	0.0	0.8	0.0

Outputs for the Program

13. Activity (What will be done?)

- Agriculture Trades Show
- Applied Research
- Balanced Nutrients On Cropland Based On Plant Needs
- Consultation
- Cover Crop Practices For Crops In Potato Rotation
- Cut Flower Research
- Display At NorthEastGrows and New England Garden Conferences
- Field Day Presentations
- Field Days
- Field Research PowerPoint Presentation Seminars
- Greenhouse Pest Manual

Individual Client Consultations On Crop Production
Maine Fruit and Vegetable School
Maine Potato Conference
Maine Senior FarmShare
Maine Vegetable & Fruit School
Meetings On Crop Production Practices
New England Garden Conference
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 Program Web Site
Powdery Mildew Project, scaevola Project, Field Trials of Turf Grass, New Annuals, Roses
Small Fruit and Vegetable Production Consulting
Small Fruit and Vegetable Variety and Production Trials
Solar Collection For Hoop Houses and Green Houses
Spudlines Newsletter
Tree Fruit Consultation
Tree Fruit Meetings
Tree Fruit Newsletter
Vegetable and Berry News
Vegetable Fact Sheets
Vegetable Production Consultation
Vegetable Variety and Production Trials
Winter Wheat Established As Summer Pasture Harvested Next Season As Grain
Workshops and Demonstrations

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

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

15. 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)

16. 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
2007	11535	13198	0	0
2008	11725	13558	0	0
2009	11545	13147	0	0
2010	11114	13140	0	0
2011	10890	13140	0	0

17. (Standard Research Target) Number of Patents

Expected Patents	
Year	Target
2007	0
2008	0
2009	0
2010	0
2011	0

18. Output measures

Output Text

Direct - Seminar

2007 Target: 2
 2008 Target: 2
 2009 Target: 2
 2010 Target: 2
 2011 Target: 2

Output Text

Direct - Public Presentation

2007 Target: 10
 2008 Target: 10
 2009 Target: 10
 2010 Target: 7
 2011 Target: 7

Output Text

Direct - Group Presentation

2007	Target:	384
2008	Target:	114
2009	Target:	114
2010	Target:	114
2011	Target:	114

Output Text

Direct - Experiential Learning

2007	Target:	1
2008	Target:	1
2009	Target:	1
2010	Target:	1
2011	Target:	1

Output Text

Direct - Display or exhibit

2007	Target:	1
2008	Target:	2
2009	Target:	1
2010	Target:	2
2011	Target:	1

Output Text

Indirect - Publication - referred journal article

2007	Target:	1
2008	Target:	1
2009	Target:	1
2010	Target:	0
2011	Target:	0

Output Text

Indirect - Website

2007	Target:	1
2008	Target:	1
2009	Target:	1
2010	Target:	1
2011	Target:	1

Output Text

Direct - Demonstration Project

2007	Target:	1
2008	Target:	1
2009	Target:	0
2010	Target:	0
2011	Target:	0

Output Text

Direct - Consultation

2007	Target:	640
2008	Target:	640
2009	Target:	640
2010	Target:	640
2011	Target:	640

Output Text

Indirect - Publication - fact sheet

2007	Target:	2
2008	Target:	2
2009	Target:	2
2010	Target:	2
2011	Target:	2

Output Text

Indirect - Publication - manual

2007	Target:	1
2008	Target:	4
2009	Target:	1
2010	Target:	4
2011	Target:	1

Output Text

Indirect - Publication - newsletter

2007	Target:	55
2008	Target:	55
2009	Target:	55
2010	Target:	55
2011	Target:	55

Output Text

Direct - Conference or symposium

2007	Target:	205
2008	Target:	104
2009	Target:	105
2010	Target:	104
2011	Target:	105

Output Text

Direct - Collaborative or Cooperative Effort

2007	Target:	47
2008	Target:	47
2009	Target:	47
2010	Target:	41
2011	Target:	41

Output Text

Direct - Applied Research

2007	Target:	13
2008	Target:	12
2009	Target:	11
2010	Target:	11
2011	Target:	11

Output Text

Direct - Train-the-Trainer

2007	Target:	1
2008	Target:	2
2009	Target:	1
2010	Target:	2
2011	Target:	1

Output Text

Direct - Workshop - series

2007	Target:	300
2008	Target:	100
2009	Target:	300
2010	Target:	100
2011	Target:	300

Output Text

Direct - Workshop - single session

2007	Target:	6
2008	Target:	6
2009	Target:	6
2010	Target:	6
2011	Target:	6

Output Text

Direct - Written or e-mail Response to Client Request

2007 Target: 50
2008 Target: 50
2009 Target: 50
2010 Target: 50
2011 Target: 50

Output Text

Indirect - AV resource

2007 Target: 15
2008 Target: 15
2009 Target: 15
2010 Target: 15
2011 Target: 15

Output Text

Indirect - Applied Research

2007 Target: 7
2008 Target: 6
2009 Target: 5
2010 Target: 5
2011 Target: 5

Outcomes for the Program

19. Outcome measures

Outcome Text: Awareness created

Outcome Text

Access relevant UMCE publications

Outcome Type: Short

2007 Target: 170
2008 Target: 120
2009 Target: 170
2010 Target: 125
2011 Target: 175

Outcome Text

Access relevant UMCE web-based resources

Outcome Type: Short

2007 Target: 1740
2008 Target: 1740
2009 Target: 1740
2010 Target: 1740
2011 Target: 1740

Outcome Text

Demonstrate animal management skills

Outcome Type: Short

2007 Target: 50

2008 Target: 50

2009 Target: 50

2010 Target: 50

2011 Target: 50

Outcome Text

Demonstrate basic business management skills

Outcome Type: Short

2007 Target: 30

2008 Target: 30

2009 Target: 30

2010 Target: 30

2011 Target: 30

Outcome Text

Demonstrate how to amend soils

Outcome Type: Short

2007 Target: 30

2008 Target: 30

2009 Target: 30

2010 Target: 0

2011 Target: 0

Outcome Text

Demonstrate how to apply pesticides safely and effectively

Outcome Type: Short

2007 Target: 75

2008 Target: 75

2009 Target: 75

2010 Target: 75

2011 Target: 75

Outcome Text

Demonstrate how to develop integrated farming systems

Outcome Type: Short

2007 Target: 195

2008 Target: 205

2009 Target: 215

2010 Target: 230

2011 Target: 240

Outcome Text

Demonstrate how to diagnose pest problems

Outcome Type: Short

2007 Target: 1450

2008 Target: 1450

2009 Target: 1450

2010 Target: 1450

2011 Target: 1450

Outcome Text

Demonstrate how to effectively manage grasslands

Outcome Type: Short

2007 Target: 35

2008 Target: 35

2009 Target: 35

2010 Target: 35

2011 Target: 35

Outcome Text

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

Outcome Type: Short

2007 Target: 40

2008 Target: 40

2009 Target: 40

2010 Target: 40

2011 Target: 40

Outcome Text

Demonstrate how to feed animals with production and economy in mind

Outcome Type: Short

2007 Target: 80

2008 Target: 80

2009 Target: 80

2010 Target: 80

2011 Target: 80

Outcome Text

Demonstrate how to grow fruits and vegetables

Outcome Type: Short

2007 Target: 150

2008 Target: 150

2009 Target: 150

2010 Target: 150

2011 Target: 150

Outcome Text

Demonstrate how to operate farm equipment safely

Outcome Type: Short

2007 Target: 10

2008 Target: 10

2009 Target: 10

2010 Target: 10

2011 Target: 10

Outcome Text

Demonstrate how to test new crops

Outcome Type: Short

2007 Target: 82

2008 Target: 82

2009 Target: 82

2010 Target: 82

2011 Target: 82

Outcome Text

Demonstrate how to test new nutrient management strategies

Outcome Type: Short

2007 Target: 10

2008 Target: 10

2009 Target: 10

2010 Target: 10

2011 Target: 10

Outcome Text

Demonstrate how to test new production techniques

Outcome Type: Short

2007 Target: 135

2008 Target: 135

2009 Target: 140

2010 Target: 140

2011 Target: 140

Outcome Text

Demonstrate how to test new storage techniques

Outcome Type: Short

2007 Target: 30

2008 Target: 30

2009 Target: 30

2010 Target: 30

2011 Target: 30

Outcome Text

Demonstrate how to test new varieties

Outcome Type: Short

2007 Target: 85

2008 Target: 85

2009 Target: 85

2010 Target: 85

2011 Target: 85

Outcome Text

Demonstrate new variety performance and potential

Outcome Type: Short

2007 Target: 40

2008 Target: 40

2009 Target: 40

2010 Target: 40

2011 Target: 40

Outcome Text

Demonstrate sound agricultural practices

Outcome Type: Short

2007 Target: 50

2008 Target: 50

2009 Target: 50

2010 Target: 50

2011 Target: 50

Outcome Text

Describe IPM techniques

Outcome Type: Short

2007 Target: 1220

2008 Target: 1220

2009 Target: 1220

2010 Target: 1225

2011 Target: 1225

Outcome Text

Outcome Type: Short

2007 Target: 60

2008 Target: 60

2009 Target: 60

2010 Target: 65

2011 Target: 65

Outcome Text

Describe advantages of alternative crop management strategies

Outcome Type: Short

2007 Target: 25
2008 Target: 25
2009 Target: 25
2010 Target: 25
2011 Target: 25

Outcome Text

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

Outcome Type: Short

2007 Target: 1900
2008 Target: 1900
2009 Target: 1900
2010 Target: 1900
2011 Target: 1900

Outcome Text

Describe alternative crop management strategies

Outcome Type: Short

2007 Target: 1600
2008 Target: 1600
2009 Target: 600
2010 Target: 1600
2011 Target: 1600

Outcome Text

Describe alternative pest manage techniques

Outcome Type: Short

2007 Target: 110
2008 Target: 125
2009 Target: 130
2010 Target: 90
2011 Target: 90

Outcome Text

Describe forages and forage quality

Outcome Type: Short

2007 Target: 50
2008 Target: 50
2009 Target: 50
2010 Target: 50
2011 Target: 50

Outcome Text

Describe hoop house crop management

Outcome Type: Short

2007 Target: 45

2008 Target: 45

2009 Target: 50

2010 Target: 50

2011 Target: 50

Outcome Text

Describe hoop house crops

Outcome Type: Short

2007 Target: 125

2008 Target: 130

2009 Target: 130

2010 Target: 135

2011 Target: 135

Outcome Text

Describe hoop house technology

Outcome Type: Short

2007 Target: 75

2008 Target: 75

2009 Target: 75

2010 Target: 75

2011 Target: 75

Outcome Text

Describe integrated farming systems

Outcome Type: Short

2007 Target: 110

2008 Target: 110

2009 Target: 110

2010 Target: 110

2011 Target: 110

Outcome Text

Describe new crops and varieties

Outcome Type: Short

2007 Target: 350

2008 Target: 300

2009 Target: 350

2010 Target: 300

2011 Target: 350

Outcome Text

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

Outcome Type: Short

2007 Target: 175

2008 Target: 175

2009 Target: 175

2010 Target: 165

2011 Target: 165

Outcome Text

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

Outcome Type: Short

2007 Target: 210

2008 Target: 225

2009 Target: 225

2010 Target: 185

2011 Target: 185

Outcome Text

Describe production practices associate with new crops for the region

Outcome Type: Short

2007 Target: 55

2008 Target: 55

2009 Target: 55

2010 Target: 60

2011 Target: 60

Outcome Text

Describe proper food handling practices

Outcome Type: Short

2007 Target: 70

2008 Target: 70

2009 Target: 45

2010 Target: 45

2011 Target: 45

Outcome Text

Describe solar heating technology

Outcome Type: Short

2007 Target: 10

2008 Target: 10

2009 Target: 10

2010 Target: 10

2011 Target: 10

Outcome Text

Describe sound agricultural practices

Outcome Type: Short

2007 Target: 2560
2008 Target: 2560
2009 Target: 2560
2010 Target: 2560
2011 Target: 2560

Outcome Text

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

Outcome Type: Short

2007 Target: 220
2008 Target: 220
2009 Target: 250
2010 Target: 250
2011 Target: 250

Outcome Text

Describe the benefits of efficiency in irrigation water use

Outcome Type: Short

2007 Target: 90
2008 Target: 90
2009 Target: 90
2010 Target: 90
2011 Target: 90

Outcome Text

Describe the benefits of grass-fed livestock

Outcome Type: Short

2007 Target: 30
2008 Target: 30
2009 Target: 30
2010 Target: 30
2011 Target: 30

Outcome Text

Describe the inherent instability of monocultures

Outcome Type: Short

2007 Target: 100
2008 Target: 100
2009 Target: 100
2010 Target: 100
2011 Target: 100

Outcome Text

Describe the value of networks

Outcome Type: Short

2007 Target: 50
2008 Target: 50
2009 Target: 60
2010 Target: 60
2011 Target: 60

Outcome Text

Describe the value of organic nutrient sources to sustainable cropping systems

Outcome Type: Short

2007 Target: 50
2008 Target: 50
2009 Target: 50
2010 Target: 50
2011 Target: 50

Outcome Text

Adopt IPM strategies

Outcome Type: Medium

2007 Target: 30
2008 Target: 30
2009 Target: 30
2010 Target: 30
2011 Target: 30

Outcome Text

Adopt and maintain integrated pest management strategies

Outcome Type: Medium

2007 Target: 55
2008 Target: 60
2009 Target: 70
2010 Target: 75
2011 Target: 85

Outcome Text

Adopt appropriate handling and storage technologies

Outcome Type: Medium

2007 Target: 25
2008 Target: 25
2009 Target: 25
2010 Target: 25
2011 Target: 25

Outcome Text

Adopt appropriate management strategies

Outcome Type: Medium

2007 Target: 590

2008 Target: 780

2009 Target: 580

2010 Target: 770

2011 Target: 580

Outcome Text

Adopt appropriate pest management practices

Outcome Type: Medium

2007 Target: 50

2008 Target: 50

2009 Target: 50

2010 Target: 50

2011 Target: 50

Outcome Text

Adopt appropriate practices

Outcome Type: Medium

2007 Target: 145

2008 Target: 235

2009 Target: 335

2010 Target: 425

2011 Target: 535

Outcome Text

Adopt appropriate technologies

Outcome Type: Medium

2007 Target: 270

2008 Target: 470

2009 Target: 275

2010 Target: 475

2011 Target: 275

Outcome Text

Adopt environmentally sound technologies that improve economic viability

Outcome Type: Medium

2007 Target: 45

2008 Target: 45

2009 Target: 45

2010 Target: 45

2011 Target: 45

Outcome Text

Adopt new crop

Outcome Type: Medium

2007 Target: 60
2008 Target: 60
2009 Target: 60
2010 Target: 60
2011 Target: 60

Outcome Text
Adopt practices that maintain long-term productivity

Outcome Type: Medium

2007 Target: 975
2008 Target: 985
2009 Target: 985
2010 Target: 985
2011 Target: 985

Outcome Text
Adopt practices that maintain profitability

Outcome Type: Medium

2007 Target: 935
2008 Target: 935
2009 Target: 935
2010 Target: 935
2011 Target: 935

Outcome Text
Develop environmentally sound technologies that improve economic viability

Outcome Type: Medium

2007 Target: 230
2008 Target: 230
2009 Target: 230
2010 Target: 230
2011 Target: 230

Outcome Text
Develop sustainable networks

Outcome Type: Medium

2007 Target: 80
2008 Target: 90
2009 Target: 100
2010 Target: 0
2011 Target: 0

Outcome Text
Enroll in and work with Farms for the Future

Outcome Type: Medium

2007 Target: 15

2008 Target: 15

2009 Target: 15

2010 Target: 15

2011 Target: 15

Outcome Text

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

Outcome Type: Medium

2007 Target: 55

2008 Target: 55

2009 Target: 60

2010 Target: 55

2011 Target: 55

Outcome Text

Evaluate new cropping systems

Outcome Type: Medium

2007 Target: 50

2008 Target: 55

2009 Target: 55

2010 Target: 60

2011 Target: 60

Outcome Text

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

Outcome Type: Medium

2007 Target: 55

2008 Target: 63

2009 Target: 73

2010 Target: 73

2011 Target: 73

Outcome Text

Expand and enhance markets

Outcome Type: Medium

2007 Target: 30

2008 Target: 40

2009 Target: 40

2010 Target: 40

2011 Target: 40

Outcome Text

Grow new crop

Outcome Type: Medium

2007 Target: 45

2008 Target: 45

2009 Target: 45

2010 Target: 45

2011 Target: 45

Outcome Text

Grow new variety

Outcome Type: Medium

2007 Target: 113

2008 Target: 114

2009 Target: 114

2010 Target: 104

2011 Target: 103

Outcome Text

Improve IPM

Outcome Type: Medium

2007 Target: 500

2008 Target: 500

2009 Target: 500

2010 Target: 500

2011 Target: 500

Outcome Text

Outcome Type: Medium

2007 Target: 50

2008 Target: 40

2009 Target: 40

2010 Target: 40

2011 Target: 40

Outcome Text

Improve production and quality of crops

Outcome Type: Medium

2007 Target: 105

2008 Target: 105

2009 Target: 110

2010 Target: 115

2011 Target: 125

Outcome Text

Improve soil health

Outcome Type: Medium

2007 Target: 30

2008 Target: 30

2009 Target: 30

2010 Target: 30

2011 Target: 30

Outcome Text

Increase purchase of Maine products

Outcome Type: Medium

2007 Target: 100

2008 Target: 100

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Maintain Certified Crop Advisor Certification

Outcome Type: Medium

2007 Target: 70

2008 Target: 70

2009 Target: 70

2010 Target: 60

2011 Target: 60

Outcome Text

Maintain nutrient management certification

Outcome Type: Medium

2007 Target: 60

2008 Target: 60

2009 Target: 60

2010 Target: 60

2011 Target: 60

Outcome Text

Maintain pesticide applicator certification

Outcome Type: Medium

2007 Target: 85

2008 Target: 85

2009 Target: 85

2010 Target: 85

2011 Target: 85

Outcome Text

Make appropriate cultivar choices

Outcome Type: Medium

2007 Target: 60

2008 Target: 60

2009 Target: 60

2010 Target: 60

2011 Target: 60

Outcome Text

Make better decisions regarding pest management

Outcome Type: Medium

2007 Target: 1215

2008 Target: 1215

2009 Target: 1215

2010 Target: 1215

2011 Target: 1215

Outcome Text

Participate in the Maine grass farmer network

Outcome Type: Medium

2007 Target: 110

2008 Target: 130

2009 Target: 150

2010 Target: 150

2011 Target: 150

Outcome Text

Test new crops

Outcome Type: Medium

2007 Target: 50

2008 Target: 50

2009 Target: 50

2010 Target: 50

2011 Target: 50

Outcome Text

Test new production techniques

Outcome Type: Medium

2007 Target: 120

2008 Target: 120

2009 Target: 120

2010 Target: 120

2011 Target: 120

Outcome Text

Test new varieties

Outcome Type: Medium

2007 Target: 44

2008 Target: 42

2009 Target: 42

2010 Target: 42

2011 Target: 42

Outcome Text

Use relevant UMCE web-based resources

Outcome Type: Medium

2007 Target: 5770

2008 Target: 5770

2009 Target: 5770

2010 Target: 5770

2011 Target: 5770

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

20. External factors which may affect outcomes

- Natural Disasters (drought,weather extremes,etc.)
- Economy
- Appropriations changes
- Public Policy changes
- Government Regulations
- Competing Programatic Challenges

Description

21. Evaluation studies planned

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

22. Data Collection Methods

- On-Site
- Structured
- Other

Description

{NO DATA ENTERED}

1. Name of the Planned Program

Coastal and Marine

2. Program knowledge areas

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

3. Program existence

- Mature (More than five years)

4. Program duration

- Long-Term (More than five years)

5. 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.

6. 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).

7. 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).

8. 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.

9. Scope of Program

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

Inputs for the Program

10. Expending formula funds or state-matching funds

- Yes

11. Expending other than formula funds or state-matching funds

- Yes

12. Expending amount of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2007	4.4	0.0	0.8	0.0
2008	3.6	0.0	0.4	0.0
2009	3.0	0.0	0.2	0.0
2010	2.7	0.0	0.1	0.0
2011	2.6	0.0	0.1	0.0

Outputs for the Program

13. Activity (What will be done?)

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
Maine Beaches Conference
Maine Scallop Advisory Council
Maine Healthy Beaches Program consultation
Maine Healthy Beaches Program field training
Maine Healthy Beaches Program presentations/forum
Maine Healthy Beaches Program Website
Northeast Farmed Fish Health Management workshop
Porphyra Culture Demonstration Project
Washington County Community College Waterfront Management Committee

Working in Classrooms

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

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

15. 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)

16. 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
2007	820	50150	30	0
2008	590	50150	100	0
2009	740	50150	200	0
2010	540	50150	300	0
2011	740	50150	400	0

17. (Standard Research Target) Number of Patents

Expected Patents	
Year	Target
2007	0
2008	0
2009	0
2010	0
2011	0

18. Output measures

Output Text

Direct - Applied Research

2007	Target:	2
2008	Target:	2
2009	Target:	1
2010	Target:	1
2011	Target:	1

Output Text

Direct - Collaborative or Cooperative Effort

2007	Target:	5
2008	Target:	5
2009	Target:	5
2010	Target:	5
2011	Target:	5

Output Text

Direct - Conference or symposium

2007	Target:	1
2008	Target:	0
2009	Target:	1
2010	Target:	0
2011	Target:	1

Output Text

Direct - Consultation

2007	Target:	200
2008	Target:	200
2009	Target:	200
2010	Target:	200
2011	Target:	200

Output Text

Direct - Experiential Learning

2007	Target:	4
2008	Target:	10
2009	Target:	20
2010	Target:	20
2011	Target:	20

Output Text

Direct - Public Presentation

2007	Target:	23
2008	Target:	23
2009	Target:	23
2010	Target:	23
2011	Target:	23

Output Text

Direct - Volunteer Training

2007	Target:	60
2008	Target:	60
2009	Target:	60
2010	Target:	60
2011	Target:	60

Output Text

Direct - Workshop - single session

2007	Target:	4
2008	Target:	4
2009	Target:	4
2010	Target:	4
2011	Target:	4

Output Text

Indirect - Applied Research

2007	Target:	2
2008	Target:	2
2009	Target:	2
2010	Target:	2
2011	Target:	2

Output Text

Indirect - Publication - fact sheet

2007	Target:	2
2008	Target:	2
2009	Target:	2
2010	Target:	2
2011	Target:	2

Output Text

Indirect - Website

2007	Target:	2
2008	Target:	2
2009	Target:	2
2010	Target:	2
2011	Target:	2

Outcomes for the Program

19. Outcome measures

Outcome Text: Awareness created

Outcome Text

Demonstrate how to assess and manage marine resources

Outcome Type: Short

2007 Target: 180
2008 Target: 190
2009 Target: 180
2010 Target: 180
2011 Target: 180

Outcome Text

Demonstrate how to collect and analyze data

Outcome Type: Short

2007 Target: 40
2008 Target: 100
2009 Target: 200
2010 Target: 300
2011 Target: 400

Outcome Text

Demonstrate how to identify invasive species

Outcome Type: Short

2007 Target: 40
2008 Target: 100
2009 Target: 200
2010 Target: 250
2011 Target: 300

Outcome Text

Demonstrate how to keep good records

Outcome Type: Short

2007 Target: 40
2008 Target: 80
2009 Target: 200
2010 Target: 350
2011 Target: 450

Outcome Text

Demonstrate how to locate Extension web-based resources

Outcome Type: Short

2007 Target: 100

2008 Target: 200

2009 Target: 300

2010 Target: 400

2011 Target: 450

Outcome Text

Demonstrate how to locate scientific information

Outcome Type: Short

2007 Target: 50

2008 Target: 100

2009 Target: 200

2010 Target: 300

2011 Target: 300

Outcome Text

Demonstrate how to use science process skills

Outcome Type: Short

2007 Target: 40

2008 Target: 100

2009 Target: 250

2010 Target: 350

2011 Target: 350

Outcome Text

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

Outcome Type: Short

2007 Target: 65

2008 Target: 65

2009 Target: 65

2010 Target: 65

2011 Target: 65

Outcome Text

Describe how to balance ecological, social and economic needs

Outcome Type: Short

2007 Target: 40

2008 Target: 40

2009 Target: 40

2010 Target: 40

2011 Target: 40

Outcome Text

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

Outcome Type: Short

2007 Target: 100

2008 Target: 100

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

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

Outcome Type: Short

2007 Target: 50

2008 Target: 75

2009 Target: 100

2010 Target: 125

2011 Target: 150

Outcome Text

Describe the process involved in affecting change in public policy

Outcome Type: Short

2007 Target: 10

2008 Target: 10

2009 Target: 10

2010 Target: 10

2011 Target: 10

Outcome Text

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

Outcome Type: Short

2007 Target: 275

2008 Target: 300

2009 Target: 325

2010 Target: 350

2011 Target: 375

Outcome Text

Adopt appropriate practices

Outcome Type: Medium

2007 Target: 150

2008 Target: 150

2009 Target: 150

2010 Target: 150

2011 Target: 150

Outcome Text

Adopt practices that maintain long-term productivity

Outcome Type: Medium

2007 Target: 60

2008 Target: 60

2009 Target: 60

2010 Target: 60

2011 Target: 60

Outcome Text

Assess community needs

Outcome Type: Medium

2007 Target: 10

2008 Target: 10

2009 Target: 10

2010 Target: 10

2011 Target: 10

Outcome Text

Collect information and communicate results

Outcome Type: Medium

2007 Target: 30

2008 Target: 100

2009 Target: 350

2010 Target: 450

2011 Target: 450

Outcome Text

Conduct community service or outreach

Outcome Type: Medium

2007 Target: 12

2008 Target: 12

2009 Target: 12

2010 Target: 12

2011 Target: 12

Outcome Text

Create and sustain effective partnerships and collaborations

Outcome Type: Medium

2007 Target: 20

2008 Target: 20

2009 Target: 20

2010 Target: 20

2011 Target: 20

Outcome Text

Design projects or experiments to answer questions

Outcome Type: Medium

2007 Target: 0
2008 Target: 100
2009 Target: 150
2010 Target: 200
2011 Target: 250

Outcome Text

Identify and remediate pollution sources

Outcome Type: Medium

2007 Target: 20
2008 Target: 20
2009 Target: 20
2010 Target: 20
2011 Target: 20

Outcome Text

Increase levels of community participation and decision making

Outcome Type: Medium

2007 Target: 40
2008 Target: 40
2009 Target: 40
2010 Target: 40
2011 Target: 40

Outcome Text

Make better decision regarding natural resource management

Outcome Type: Medium

2007 Target: 15
2008 Target: 15
2009 Target: 15
2010 Target: 15
2011 Target: 15

Outcome Text

Make better decisions using science and technology skills

Outcome Type: Medium

2007 Target: 30
2008 Target: 50
2009 Target: 50
2010 Target: 60
2011 Target: 70

Outcome Text

Manage community resources

Outcome Type: Medium

2007 Target: 10

2008 Target: 10

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

Promote community responsibility and action

Outcome Type: Medium

2007 Target: 20

2008 Target: 25

2009 Target: 30

2010 Target: 35

2011 Target: 40

Outcome Text

Promote municipal responsibility and action

Outcome Type: Medium

2007 Target: 20

2008 Target: 25

2009 Target: 30

2010 Target: 35

2011 Target: 40

Outcome Text

Promote personal responsibility and action

Outcome Type: Medium

2007 Target: 60

2008 Target: 70

2009 Target: 80

2010 Target: 90

2011 Target: 100

Outcome Text

Use relevant UMCE web-based resources

Outcome Type: Medium

2007 Target: 30

2008 Target: 100

2009 Target: 250

2010 Target: 350

2011 Target: 450

Outcome Text

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture

Outcome Type: Long

2007 Target: 0
2008 Target: 0
2009 Target: 0
2010 Target: 0
2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0
2008 Target: 0
2009 Target: 0
2010 Target: 0
2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0
2008 Target: 0
2009 Target: 0
2010 Target: 0
2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0
2008 Target: 0
2009 Target: 0
2010 Target: 0
2011 Target: 0

20. External factors which may affect outcomes

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

Description

{NO DATA ENTERED}

21. Evaluation studies planned

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

22. Data Collection Methods

- On-Site
- Structured
- Other

Description

{NO DATA ENTERED}

1. Name of the Planned Program

Entrepreneurship - Small and Home Based Business

2. Program knowledge areas

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

3. Program existence

- Mature (More than five years)

4. Program duration

- Long-Term (More than five years)

5. 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.

6. 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).

7. 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.

8. 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.

9. Scope of Program

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

Inputs for the Program

10. Expending formula funds or state-matching funds

- Yes

11. Expending other than formula funds or state-matching funds

- Yes

12. Expending amount of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2007	4.8	0.0	0.4	0.0
2008	3.9	0.0	0.4	0.0
2009	3.8	0.0	0.4	0.0
2010	3.9	0.0	0.4	0.0
2011	3.9	0.0	0.4	0.0

Outputs for the Program

13. Activity (What will be done?)

Building Business Skills Workshops
Business Clinic Program
Business Regional Conference - Eastern Maine
Governor's Regional Conferences on Small Business & Entrepreneurship
Home Based Small Business Modules
Home Based Small Business Consultation
National Home-Based and Micro Business Design Team
Outreach: Individual Consultations And Written or E-Mail Responses to Clients

Small and Home Based Business Education Program - Clinic
 Small and Home Based Business Education Program - Response To Client Request
 Strategic Plan
 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

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

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

15. 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)

16. 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
2007	3778	2050	0	0
2008	4188	2150	0	0
2009	1600	2250	0	0
2010	1600	2350	0	0
2011	1600	2450	0	0

17. (Standard Research Target) Number of Patents

Expected Patents	
Year	Target
2007	0
2008	0
2009	0
2010	0
2011	0

18. Output measures

Output Text

Direct - Conference or symposium

2007 Target: 2
 2008 Target: 2
 2009 Target: 2
 2010 Target: 2
 2011 Target: 2

Output Text

Direct - Consultation

2007 Target: 300
 2008 Target: 300
 2009 Target: 300
 2010 Target: 300
 2011 Target: 300

Output Text

Direct - Collaborative or Cooperative Effort

2007 Target: 1
 2008 Target: 0
 2009 Target: 0
 2010 Target: 0
 2011 Target: 0

Output Text

Direct - Clinic

2007 Target: 28
 2008 Target: 28
 2009 Target: 20
 2010 Target: 20
 2011 Target: 20

Output Text

Direct - Group Presentation

2007 Target: 13
2008 Target: 13
2009 Target: 13
2010 Target: 13
2011 Target: 13

Output Text

Direct - Trade Area Analyses

2007 Target: 5
2008 Target: 5
2009 Target: 5
2010 Target: 5
2011 Target: 5

Output Text

Direct - Train-the-Trainer

2007 Target: 1
2008 Target: 1
2009 Target: 1
2010 Target: 1
2011 Target: 1

Output Text

Direct - Workshop - series

2007 Target: 8
2008 Target: 8
2009 Target: 5
2010 Target: 5
2011 Target: 5

Output Text

Direct - Workshop - single session

2007 Target: 34
2008 Target: 34
2009 Target: 34
2010 Target: 34
2011 Target: 34

Output Text

Indirect - Publication

2007 Target: 10
2008 Target: 10
2009 Target: 10
2010 Target: 10
2011 Target: 10

Output Text

Indirect - Website

2007	Target:	1
2008	Target:	1
2009	Target:	1
2010	Target:	1
2011	Target:	1

Outcomes for the Program

19. Outcome measures

Outcome Text: Awareness created

Outcome Text

Access small business information

Outcome Type: Short

2007	Target:	715
2008	Target:	415
2009	Target:	265
2010	Target:	265
2011	Target:	265

Outcome Text

Contact business assist organizations

Outcome Type: Short

2007	Target:	105
2008	Target:	105
2009	Target:	85
2010	Target:	85
2011	Target:	85

Outcome Text

Demonstrate appreciation of diversity

Outcome Type: Short

2007	Target:	300
2008	Target:	0
2009	Target:	0
2010	Target:	0
2011	Target:	0

Outcome Text

Demonstrate effective mentoring or coaching skills

Outcome Type: Short

2007 Target: 1325

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

Demonstrate group, organizational, or personal leadership activities

Outcome Type: Short

2007 Target: 50

2008 Target: 50

2009 Target: 50

2010 Target: 50

2011 Target: 50

Outcome Text

Demonstrate how to make informed financial decisions

Outcome Type: Short

2007 Target: 100

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

Describe an improved quality of life

Outcome Type: Short

2007 Target: 350

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

Describe the components of a business plan

Outcome Type: Short

2007 Target: 145

2008 Target: 145

2009 Target: 155

2010 Target: 155

2011 Target: 155

Outcome Text

Describe the components of a customer service plan

Outcome Type: Short

2007 Target: 100

2008 Target: 100

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Describe the components of a marketing plan

Outcome Type: Short

2007 Target: 135

2008 Target: 135

2009 Target: 135

2010 Target: 135

2011 Target: 135

Outcome Text

Describe the components of a profitable price

Outcome Type: Short

2007 Target: 100

2008 Target: 100

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Describe the components of a record-keeping system

Outcome Type: Short

2007 Target: 150

2008 Target: 150

2009 Target: 165

2010 Target: 150

2011 Target: 150

Outcome Text

Understand small business information

Outcome Type: Short

2007 Target: 295

2008 Target: 295

2009 Target: 225

2010 Target: 215

2011 Target: 215

Outcome Text

Adopt business management practices

Outcome Type: Medium

2007 Target: 405

2008 Target: 205

2009 Target: 205

2010 Target: 205

2011 Target: 205

Outcome Text

Adopt record-keeping system

Outcome Type: Medium

2007 Target: 70

2008 Target: 70

2009 Target: 70

2010 Target: 70

2011 Target: 70

Outcome Text

Conduct educational activities through cooperative or collaborative effort

Outcome Type: Medium

2007 Target: 22

2008 Target: 22

2009 Target: 22

2010 Target: 22

2011 Target: 22

Outcome Text

Create a personal support network

Outcome Type: Medium

2007 Target: 200

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

Design and implement small business conference

Outcome Type: Medium

2007 Target: 4

2008 Target: 3

2009 Target: 3

2010 Target: 3

2011 Target: 3

Outcome Text

Develop a business plan

Outcome Type: Medium

2007 Target: 105

2008 Target: 105

2009 Target: 105

2010 Target: 105

2011 Target: 85

Outcome Text

Develop a financial plan

Outcome Type: Medium

2007 Target: 50

2008 Target: 50

2009 Target: 40

2010 Target: 40

2011 Target: 40

Outcome Text

Develop a marketing plan

Outcome Type: Medium

2007 Target: 35

2008 Target: 35

2009 Target: 35

2010 Target: 35

2011 Target: 35

Outcome Text

Develop a pricing strategy

Outcome Type: Medium

2007 Target: 30

2008 Target: 30

2009 Target: 30

2010 Target: 30

2011 Target: 30

Outcome Text

Develop customer service plan

Outcome Type: Medium

2007 Target: 50

2008 Target: 50

2009 Target: 50

2010 Target: 50

2011 Target: 50

Outcome Text

Develop marketing tools

Outcome Type: Medium

2007 Target: 55

2008 Target: 55

2009 Target: 55

2010 Target: 55

2011 Target: 55

Outcome Text

Establish a business

Outcome Type: Medium

2007 Target: 28

2008 Target: 28

2009 Target: 28

2010 Target: 28

2011 Target: 28

Outcome Text

Mentor other women in agriculture and natural resources

Outcome Type: Medium

2007 Target: 400

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

Participate in networking opportunities

Outcome Type: Medium

2007 Target: 750

2008 Target: 350

2009 Target: 350

2010 Target: 350

2011 Target: 2600

Outcome Text

Start viable alternative enterprises based on sustainable use of natural resources (forest, marine, agriculture)

Outcome Type: Medium

2007 Target: 50

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

Support and mentor others in leadership roles

Outcome Type: Medium

2007 Target: 50

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

Use relevant UMCE web-based resources

Outcome Type: Medium

2007 Target: 595

2008 Target: 595

2009 Target: 595

2010 Target: 595

2011 Target: 595

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

20. External factors which may affect outcomes

- Economy
- Public Policy changes
- Government Regulations
- Competing Programmatic Challenges

Description

{NO DATA ENTERED}

21. 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.

22. Data Collection Methods

- Mail
- Structured
- Other

Description

{NO DATA ENTERED}

1. Name of the Planned Program

Agriculture - Sustainable Business Management

2. Program knowledge areas

- 601 Economics of Agricultural Production and Farm Management 60 %
- 602 Business Management, Finance, and Taxation 30 %
- 502 New and Improved Food Products 10 %

3. Program existence

- Mature (More than five years)

4. Program duration

- Long-Term (More than five years)

5. 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.

6. 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.

7. 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.

8. 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.

9. Scope of Program

- In-State Extension
- Multistate Extension

Inputs for the Program**10. Expending formula funds or state-matching funds**

- Yes

11. Expending other than formula funds or state-matching funds

- Yes

12. Expending amount of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2007	3.6	0.0	0.0	0.0
2008	3.7	0.0	0.0	0.0
2009	3.6	0.0	0.0	0.0
2010	3.6	0.0	0.0	0.0
2011	3.6	0.0	0.0	0.0

Outputs for the Program**13. Activity (What will be done?)**

Developing and Implementing an Estate Plan to Preserve Wealth
 Cost of Production Dairy Farms and Forage Crops
 Crop Insurance Education
 Farms for the Future
 Individual Consultations on Agriculture Business Management Issues
 Meetings on Agriculture Business Management
 Piscataquis Farming Newsletter
 Farm Recordkeeping System

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

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

15. Description of targeted audience

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

Forestland Managers (Adult)

16. 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
2007	2258	89895	0	0
2008	1898	89895	0	0
2009	1898	89895	0	0
2010	1898	89895	0	0
2011	1898	89895	0	0

17. (Standard Research Target) Number of Patents

Expected Patents	
Year	Target
2007	0
2008	0
2009	0
2010	0
2011	0

18. Output measures**Output Text**

Direct - Collaborative or Cooperative Effort

2007 Target: 4

2008 Target: 4

2009 Target: 4

2010 Target: 4

2011 Target: 4

Output Text

Direct - Conference or symposium

2007 Target: 41

2008 Target: 41

2009 Target: 41

2010 Target: 41

2011 Target: 31

Output Text

Direct - Consultation

2007	Target:	50
2008	Target:	50
2009	Target:	50
2010	Target:	50
2011	Target:	50

Output Text

Direct - Display or exhibit

2007	Target:	8
2008	Target:	8
2009	Target:	8
2010	Target:	8
2011	Target:	8

Output Text

Direct - Group Presentation

2007	Target:	1
2008	Target:	2
2009	Target:	1
2010	Target:	2
2011	Target:	1

Output Text

Direct - Public Presentation

2007	Target:	12
2008	Target:	12
2009	Target:	12
2010	Target:	12
2011	Target:	12

Output Text

Direct - Train-the-Trainer

2007	Target:	4
2008	Target:	4
2009	Target:	4
2010	Target:	4
2011	Target:	4

Output Text

Direct - Workshop - single session

2007	Target:	2
2008	Target:	2
2009	Target:	2
2010	Target:	2
2011	Target:	2

Output Text

Indirect - AV resource

2007	Target:	0
2008	Target:	2
2009	Target:	0
2010	Target:	2
2011	Target:	0

Output Text

Indirect - Applied Research

2007	Target:	1
2008	Target:	1
2009	Target:	1
2010	Target:	1
2011	Target:	1

Output Text

Indirect - Display or Exhibit

2007	Target:	8
2008	Target:	8
2009	Target:	8
2010	Target:	8
2011	Target:	8

Output Text

Indirect - Publication

2007	Target:	28
2008	Target:	30
2009	Target:	30
2010	Target:	32
2011	Target:	32

Output Text

Indirect - Publication - newsletter

2007	Target:	12
2008	Target:	12
2009	Target:	12
2010	Target:	12
2011	Target:	12

Output Text

Indirect - Radio Program

2007 Target: 2
2008 Target: 2
2009 Target: 2
2010 Target: 2
2011 Target: 2

Output Text

Indirect - Television Segment

2007 Target: 4
2008 Target: 4
2009 Target: 4
2010 Target: 4
2011 Target: 4

Output Text

Indirect - Website

2007 Target: 1
2008 Target: 1
2009 Target: 1
2010 Target: 1
2011 Target: 1

Outcomes for the Program

19. Outcome measures

Outcome Text: Awareness created

Outcome Text

Demonstrate advanced business management skills

Outcome Type: Short

2007 Target: 2
2008 Target: 4
2009 Target: 6
2010 Target: 8
2011 Target: 10

Outcome Text

Demonstrate basic business management skills

Outcome Type: Short

2007 Target: 30
2008 Target: 30
2009 Target: 30
2010 Target: 30
2011 Target: 30

Outcome Text

Demonstrate how to analyze records for decision making

Outcome Type: Short

2007 Target: 45

2008 Target: 55

2009 Target: 65

2010 Target: 75

2011 Target: 85

Outcome Text

Demonstrate production recordkeeping

Outcome Type: Short

2007 Target: 30

2008 Target: 30

2009 Target: 30

2010 Target: 30

2011 Target: 30

Outcome Text

Describe record keeping and record keeping systems

Outcome Type: Short

2007 Target: 20

2008 Target: 20

2009 Target: 20

2010 Target: 20

2011 Target: 20

Outcome Text

Describe the components of an estate plan

Outcome Type: Short

2007 Target: 15

2008 Target: 15

2009 Target: 20

2010 Target: 20

2011 Target: 20

Outcome Text

Adopt appropriate management strategies

Outcome Type: Medium

2007 Target: 25

2008 Target: 35

2009 Target: 45

2010 Target: 55

2011 Target: 65

Outcome Text

Develop a business plan

Outcome Type: Medium

2007 Target: 15

2008 Target: 15

2009 Target: 15

2010 Target: 15

2011 Target: 15

Outcome Text

Develop a financial plan

Outcome Type: Medium

2007 Target: 225

2008 Target: 55

2009 Target: 70

2010 Target: 80

2011 Target: 90

Outcome Text

Develop an estate plan for business enterprise

Outcome Type: Medium

2007 Target: 10

2008 Target: 15

2009 Target: 15

2010 Target: 15

2011 Target: 15

Outcome Text

Enroll in and work with Farms for the Future

Outcome Type: Medium

2007 Target: 15

2008 Target: 15

2009 Target: 15

2010 Target: 15

2011 Target: 15

Outcome Text

Keep accurate records

Outcome Type: Medium

2007 Target: 55

2008 Target: 65

2009 Target: 75

2010 Target: 85

2011 Target: 95

Outcome Text

Make better decisions using accurate records

Outcome Type: Medium

2007 Target: 45

2008 Target: 55

2009 Target: 65

2010 Target: 75

2011 Target: 85

Outcome Text

Manage business to achieve profit

Outcome Type: Medium

2007 Target: 10

2008 Target: 10

2009 Target: 10

2010 Target: 10

2011 Target: 10

Outcome Text

Secure financing

Outcome Type: Medium

2007 Target: 25

2008 Target: 35

2009 Target: 45

2010 Target: 55

2011 Target: 65

Outcome Text

Use relevant UMCE web-based resources

Outcome Type: Medium

2007 Target: 325

2008 Target: 335

2009 Target: 345

2010 Target: 355

2011 Target: 365

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

20. External factors which may affect outcomes

- Economy
- Appropriations changes
- Public Policy changes
- Competing Programatic Challenges

Description

{NO DATA ENTERED}

21. Evaluation studies planned

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

22. Data Collection Methods

- On-Site
- Structured
- Other

Description

{NO DATA ENTERED}

1. Name of the Planned Program

Community Development: Capacity-building Skills

2. Program knowledge areas

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

3. Program existence

- Mature (More than five years)

4. Program duration

- Long-Term (More than five years)

5. 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.

6. 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."

7. 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.

8. Ultimate goal(s) of this Program

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

9. Scope of Program

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

Inputs for the Program

10. Expending formula funds or state-matching funds

- Yes

11. Expending other than formula funds or state-matching funds

- No

12. Expending amount of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2007	2.0	0.0	0.4	0.0
2008	2.2	0.0	0.3	0.0
2009	1.2	0.0	0.3	0.0
2010	1.2	0.0	0.3	0.0
2011	1.2	0.0	0.3	0.0

Outputs for the Program

13. Activity (What will be done?)

Applied Research: Action Plan to Address Unmet Senior And Elder Caregiver Needs
 Development of Train the Trainer Curriculum for Strengthening Your Facilitation Skills
 Group And Capacity Building Interactive Assessments and Surveys
 Community Wellness Coalition

Maine Solutions Projects

Organizational Development With Community Groups And Organizations

Strengthening Your Facilitation Skills Workshop Series Applied Research Project

Train the Trainer: Includes the Strengthening Facilitation Skills Train the Trainer Module, Core Training, Consultation, Continuing Training and the Development of Educational Resources for use by Other States in the Extension System

York County Prevention Collaborative

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

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

15. 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)

16. 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
2007	10596	200	0	100
2008	10728	500	0	100
2009	10573	0	0	100
2010	10578	0	0	100
2011	10583	4	0	0

17. (Standard Research Target) Number of Patents

Expected Patents	
Year	Target
2007	0
2008	0
2009	0
2010	0
2011	0

18. Output measures

Output Text

Direct - Applied Research

2007 Target: 0
 2008 Target: 1
 2009 Target: 1
 2010 Target: 1
 2011 Target: 1

Output Text

Direct - Collaborative or Cooperative Effort

2007 Target: 20
 2008 Target: 20
 2009 Target: 20
 2010 Target: 20
 2011 Target: 20

Output Text

Direct - Consultation

2007 Target: 25
 2008 Target: 25
 2009 Target: 0
 2010 Target: 0
 2011 Target: 0

Output Text

Direct - Experiential Learning

2007 Target: 6
 2008 Target: 12
 2009 Target: 24
 2010 Target: 24
 2011 Target: 24

Output Text

Direct - Train-the-Trainer

2007	Target:	2
2008	Target:	2
2009	Target:	1
2010	Target:	1
2011	Target:	1

Output Text

Direct - Volunteer Training

2007	Target:	6
2008	Target:	6
2009	Target:	6
2010	Target:	6
2011	Target:	6

Output Text

Direct - Workshop - series

2007	Target:	4
2008	Target:	4
2009	Target:	2
2010	Target:	2
2011	Target:	2

Output Text

Direct - Workshop - single session

2007	Target:	5
2008	Target:	5
2009	Target:	0
2010	Target:	0
2011	Target:	0

Output Text

Indirect - Applied Research

2007	Target:	0
2008	Target:	1
2009	Target:	1
2010	Target:	1
2011	Target:	1

Output Text

Indirect - Website

2007	Target:	5
2008	Target:	0
2009	Target:	0
2010	Target:	0
2011	Target:	0

Outcomes for the Program

19. Outcome measures

Outcome Text: Awareness created

Outcome Text

Demonstrate advanced facilitation skills

Outcome Type: Short

- 2007 Target: 35
- 2008 Target: 35
- 2009 Target: 10
- 2010 Target: 10
- 2011 Target: 10

Outcome Text

Demonstrate basic facilitation skills

Outcome Type: Short

- 2007 Target: 95
- 2008 Target: 170
- 2009 Target: 20
- 2010 Target: 20
- 2011 Target: 20

Outcome Text

Demonstrate effective collaboration skills and techniques

Outcome Type: Short

- 2007 Target: 15
- 2008 Target: 30
- 2009 Target: 30
- 2010 Target: 30
- 2011 Target: 30

Outcome Text

Demonstrate effective practices in leadership roles

Outcome Type: Short

- 2007 Target: 20
- 2008 Target: 20
- 2009 Target: 20
- 2010 Target: 20
- 2011 Target: 20

Outcome Text

Demonstrate effective strategies for meeting needs

Outcome Type: Short

2007 Target: 20

2008 Target: 20

2009 Target: 20

2010 Target: 20

2011 Target: 20

Outcome Text

Demonstrate leadership skills

Outcome Type: Short

2007 Target: 128

2008 Target: 178

2009 Target: 28

2010 Target: 28

2011 Target: 28

Outcome Text

Demonstrate strategies to mobilize community resources

Outcome Type: Short

2007 Target: 10

2008 Target: 20

2009 Target: 30

2010 Target: 30

2011 Target: 30

Outcome Text

Demonstrate the effective use of action and results planning techniques

Outcome Type: Short

2007 Target: 14

2008 Target: 24

2009 Target: 34

2010 Target: 34

2011 Target: 34

Outcome Text

Describe effective mentoring and coaching techniques

Outcome Type: Short

2007 Target: 25

2008 Target: 25

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

Describe the components of an effective meeting

Outcome Type: Short

2007 Target: 95
2008 Target: 170
2009 Target: 20
2010 Target: 20
2011 Target: 20

Outcome Text
Describe the elements of effective group work

Outcome Type: Short

2007 Target: 75
2008 Target: 150
2009 Target: 0
2010 Target: 0
2011 Target: 0

Outcome Text
Describe the stages of group development

Outcome Type: Short

2007 Target: 20
2008 Target: 20
2009 Target: 20
2010 Target: 20
2011 Target: 20

Outcome Text
Facilitate community discussions

Outcome Type: Medium

2007 Target: 72
2008 Target: 122
2009 Target: 22
2010 Target: 22
2011 Target: 22

Outcome Text
Provide learning opportunities for groups or organizations

Outcome Type: Medium

2007 Target: 120
2008 Target: 240
2009 Target: 240
2010 Target: 240
2011 Target: 240

Outcome Text
Take leadership role

Outcome Type: Medium

2007 Target: 75

2008 Target: 150

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

Teach others to take leadership and facilitation roles

Outcome Type: Medium

2007 Target: 40

2008 Target: 40

2009 Target: 40

2010 Target: 40

2011 Target: 40

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

20. External factors which may affect outcomes

- Natural Disasters (drought,weather extremes,etc.)
- Economy
- Public Policy changes
- Government Regulations
- Competing Programmatic Challenges

Description

{NO DATA ENTERED}

21. 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.

22. Data Collection Methods

- On-Site
- Other

Description
{NO DATA ENTERED}

1. Name of the Planned Program

Environmental Education - Sustainable Living

2. Program knowledge areas

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

3. Program existence

- Mature (More than five years)

4. Program duration

- Long-Term (More than five years)

5. 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.

6. 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.

7. 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.

8. 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.

9. Scope of Program

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

Inputs for the Program

10. Expending formula funds or state-matching funds

- Yes

11. Expending other then formula funds or state-matching funds

- Yes

12. Expending amount of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2007	3.3	0.0	0.1	0.0
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

Outputs for the Program

13. Activity (What will be done?)

Day Camp
Day School Programs at Camp
Discovery Trips
Earth Connection Volunteers
Earth Connections Demonstrations at Tanglewood and Blueberry Cove Camps
Earth Connections Web Site
GIS Community Mapping Project for Schools
Green Camp Certification
Outreach Conducted by Earth Connection Volunteers
Outreach Programs Based on School Grounds
Overnight School Programs at Camp
Summer Residential Camp
Tanglewood Board of Directors
Vaughn Island 4-H Camp

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

Extension	
Direct Method	Indirect Methods
<ul style="list-style-type: none">● Education Class● Workshop● Group Discussion● Demonstrations	<ul style="list-style-type: none">● Web sites

- Other 1 (Applied Research)
- Other 2 (4-H Day Camp)

15. 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)

16. 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
2007	705	250	4566	0
2008	925	405	4626	100
2009	950	410	4626	100
2010	970	420	4626	100
2011	980	252	4626	100

17. (Standard Research Target) Number of Patents

Expected Patents	
Year	Target
2007	0
2008	0
2009	0
2010	0
2011	0

18. Output measures**Output Text**

Direct - Volunteer Training

2007	Target:	4
2008	Target:	8
2009	Target:	12
2010	Target:	12
2011	Target:	12

Output Text

Direct - Train-the-Trainer

2007	Target:	1
2008	Target:	1
2009	Target:	2
2010	Target:	2
2011	Target:	2

Output Text

Direct - 4-H Overnight Camp

2007	Target:	35
2008	Target:	35
2009	Target:	35
2010	Target:	35
2011	Target:	35

Output Text

Direct - 4-H Day Camp

2007	Target:	71
2008	Target:	71
2009	Target:	71
2010	Target:	71
2011	Target:	71

Output Text

Direct - Public Presentation

2007	Target:	10
2008	Target:	30
2009	Target:	30
2010	Target:	30
2011	Target:	30

Output Text

Direct - Demonstration Project

2007	Target:	25
2008	Target:	25
2009	Target:	25
2010	Target:	25
2011	Target:	25

Output Text

Direct - Management teams

2007	Target:	15
2008	Target:	15
2009	Target:	15
2010	Target:	15
2011	Target:	15

Output Text

Direct - 4-H School Enrichment

2007	Target:	15
2008	Target:	15
2009	Target:	15
2010	Target:	15
2011	Target:	15

Output Text

Direct - Applied Research

2007	Target:	1
2008	Target:	1
2009	Target:	1
2010	Target:	1
2011	Target:	1

Output Text

Direct - Collaborative or Cooperative Effort

2007	Target:	10
2008	Target:	10
2009	Target:	10
2010	Target:	10
2011	Target:	10

Output Text

Indirect - Website

2007	Target:	1
2008	Target:	2
2009	Target:	2
2010	Target:	2
2011	Target:	1

Outcomes for the Program

19. Outcome measures

Outcome Text: Awareness created

Outcome Text

Demonstrate basic facilitation skills

Outcome Type: Short

2007 Target: 0
2008 Target: 20
2009 Target: 40
2010 Target: 60
2011 Target: 60

Outcome Text

Demonstrate effective practices in leadership roles

Outcome Type: Short

2007 Target: 25
2008 Target: 25
2009 Target: 25
2010 Target: 25
2011 Target: 25

Outcome Text

Demonstrate effective relationship skills

Outcome Type: Short

2007 Target: 100
2008 Target: 100
2009 Target: 100
2010 Target: 100
2011 Target: 100

Outcome Text

Demonstrate healthy lifestyle choices

Outcome Type: Short

2007 Target: 10
2008 Target: 25
2009 Target: 25
2010 Target: 25
2011 Target: 25

Outcome Text

Demonstrate how to assess the impact of your lifestyle

Outcome Type: Short

2007 Target: 40
2008 Target: 60
2009 Target: 80
2010 Target: 80
2011 Target: 80

Outcome Text

Demonstrate how to identify native flora and fauna.

Outcome Type: Short

2007 Target: 60

2008 Target: 100

2009 Target: 120

2010 Target: 120

2011 Target: 120

Outcome Text

Demonstrate how to identify non-native invasive species

Outcome Type: Short

2007 Target: 10

2008 Target: 20

2009 Target: 20

2010 Target: 25

2011 Target: 25

Outcome Text

Demonstrate how to use technology

Outcome Type: Short

2007 Target: 110

2008 Target: 110

2009 Target: 110

2010 Target: 110

2011 Target: 110

Outcome Text

Demonstrate sustainable living principles and practices

Outcome Type: Short

2007 Target: 40

2008 Target: 60

2009 Target: 80

2010 Target: 80

2011 Target: 80

Outcome Text

Describe aspirations to contribute to ecological health and biodiversity

Outcome Type: Short

2007 Target: 20

2008 Target: 70

2009 Target: 70

2010 Target: 70

2011 Target: 70

Outcome Text

Describe community service and outreach opportunities

Outcome Type: Short

2007 Target: 20

2008 Target: 20

2009 Target: 20

2010 Target: 20

2011 Target: 20

Outcome Text

Describe ecological principles

Outcome Type: Short

2007 Target: 1720

2008 Target: 1720

2009 Target: 1720

2010 Target: 1720

2011 Target: 1720

Outcome Text

Describe effective group work and leadership

Outcome Type: Short

2007 Target: 1720

2008 Target: 1720

2009 Target: 1720

2010 Target: 1720

2011 Target: 1720

Outcome Text

Describe forest ecosystem processes

Outcome Type: Short

2007 Target: 50

2008 Target: 85

2009 Target: 100

2010 Target: 105

2011 Target: 105

Outcome Text

Describe freshwater ecosystem processes

Outcome Type: Short

2007 Target: 50

2008 Target: 70

2009 Target: 90

2010 Target: 90

2011 Target: 90

Outcome Text

Describe healthy lifestyle choices

Outcome Type: Short

- 2007 Target: 700
- 2008 Target: 700
- 2009 Target: 700
- 2010 Target: 700
- 2011 Target: 700

Outcome Text

Describe how to integrate regular physical activity into daily lives in a variety of ways

Outcome Type: Short

- 2007 Target: 10
- 2008 Target: 25
- 2009 Target: 25
- 2010 Target: 25
- 2011 Target: 25

Outcome Text

Describe management strategies for forest ecosystems

Outcome Type: Short

- 2007 Target: 40
- 2008 Target: 60
- 2009 Target: 80
- 2010 Target: 80
- 2011 Target: 80

Outcome Text

Describe management strategies for freshwater ecosystems

Outcome Type: Short

- 2007 Target: 20
- 2008 Target: 40
- 2009 Target: 60
- 2010 Target: 60
- 2011 Target: 60

Outcome Text

Describe management strategies for marine ecosystems

Outcome Type: Short

- 2007 Target: 10
- 2008 Target: 20
- 2009 Target: 30
- 2010 Target: 30
- 2011 Target: 30

Outcome Text

Describe marine ecosystem processes

Outcome Type: Short

2007 Target: 60

2008 Target: 110

2009 Target: 130

2010 Target: 130

2011 Target: 130

Outcome Text

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

Outcome Type: Short

2007 Target: 25

2008 Target: 25

2009 Target: 25

2010 Target: 25

2011 Target: 25

Outcome Text

Describe self as part of the web of life

Outcome Type: Short

2007 Target: 3120

2008 Target: 3120

2009 Target: 3120

2010 Target: 3120

2011 Target: 3120

Outcome Text

Describe styles of leadership and their appropriate application

Outcome Type: Short

2007 Target: 25

2008 Target: 30

2009 Target: 30

2010 Target: 30

2011 Target: 30

Outcome Text

Describe sustainable living principles and practices

Outcome Type: Short

2007 Target: 710

2008 Target: 740

2009 Target: 740

2010 Target: 740

2011 Target: 740

Outcome Text

Describe the ecosystems where they live

Outcome Type: Short

2007 Target: 2435

2008 Target: 2445

2009 Target: 2445

2010 Target: 2445

2011 Target: 2445

Outcome Text

Describe the elements of effective group work

Outcome Type: Short

2007 Target: 25

2008 Target: 25

2009 Target: 25

2010 Target: 25

2011 Target: 25

Outcome Text

Describe the laws of ecology

Outcome Type: Short

2007 Target: 2435

2008 Target: 2435

2009 Target: 2435

2010 Target: 2445

2011 Target: 2445

Outcome Text

Describe the principles of biodiversity and the form and function of ecosystems

Outcome Type: Short

2007 Target: 10

2008 Target: 15

2009 Target: 15

2010 Target: 15

2011 Target: 20

Outcome Text

Describe ways to observe, explore, and experience nature

Outcome Type: Short

2007 Target: 1730

2008 Target: 1745

2009 Target: 1745

2010 Target: 1745

2011 Target: 1745

Outcome Text

Develop an action plan or results planning document

Outcome Type: Short

2007 Target: 40

2008 Target: 60

2009 Target: 80

2010 Target: 100

2011 Target: 120

Outcome Text

Adopt appropriate practices

Outcome Type: Medium

2007 Target: 40

2008 Target: 90

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Adopt environmentally sound practices

Outcome Type: Medium

2007 Target: 1520

2008 Target: 1520

2009 Target: 1520

2010 Target: 1520

2011 Target: 1520

Outcome Text

Adopt lower impact lifestyles

Outcome Type: Medium

2007 Target: 720

2008 Target: 730

2009 Target: 730

2010 Target: 730

2011 Target: 730

Outcome Text

Conduct community service or outreach

Outcome Type: Medium

2007 Target: 260

2008 Target: 280

2009 Target: 300

2010 Target: 320

2011 Target: 340

Outcome Text

Create and sustain effective partnerships and collaborations

Outcome Type: Medium

2007 Target: 20

2008 Target: 25

2009 Target: 25

2010 Target: 25

2011 Target: 25

Outcome Text

Create demonstration model

Outcome Type: Medium

2007 Target: 0

2008 Target: 100

2009 Target: 20

2010 Target: 20

2011 Target: 20

Outcome Text

Create learning opportunities based on principles of positive human development

Outcome Type: Medium

2007 Target: 700

2008 Target: 700

2009 Target: 700

2010 Target: 700

2011 Target: 700

Outcome Text

Develop a sense of belonging to a community

Outcome Type: Medium

2007 Target: 180

2008 Target: 180

2009 Target: 180

2010 Target: 180

2011 Target: 180

Outcome Text

Develop environmentally sound technologies and practices

Outcome Type: Medium

2007 Target: 20

2008 Target: 25

2009 Target: 25

2010 Target: 25

2011 Target: 25

Outcome Text

Develop skills that promote healthy relationships

Outcome Type: Medium

2007 Target: 1520

2008 Target: 1520

2009 Target: 1520

2010 Target: 1520

2011 Target: 1520

Outcome Text

Increase use of Maine-produced natural resources

Outcome Type: Medium

2007 Target: 20

2008 Target: 30

2009 Target: 30

2010 Target: 30

2011 Target: 30

Outcome Text

Make better decision regarding natural resource management

Outcome Type: Medium

2007 Target: 55

2008 Target: 115

2009 Target: 135

2010 Target: 155

2011 Target: 155

Outcome Text

Make better decisions regarding healthy lifestyle

Outcome Type: Medium

2007 Target: 700

2008 Target: 700

2009 Target: 700

2010 Target: 700

2011 Target: 700

Outcome Text

Organize community coalitions and working groups

Outcome Type: Medium

2007 Target: 20

2008 Target: 25

2009 Target: 25

2010 Target: 25

2011 Target: 25

Outcome Text

Promote healthy relationships

Outcome Type: Medium

2007 Target: 20

2008 Target: 25

2009 Target: 25

2010 Target: 25

2011 Target: 25

Outcome Text

Protect or conserve biodiversity and habitat including native plant and animal species

Outcome Type: Medium

2007 Target: 20

2008 Target: 30

2009 Target: 30

2010 Target: 40

2011 Target: 40

Outcome Text

Use new technologies

Outcome Type: Medium

2007 Target: 110

2008 Target: 110

2009 Target: 110

2010 Target: 110

2011 Target: 110

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

20. External factors which may affect outcomes

- Economy
- Appropriations changes
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Competing Programmatic Challenges

Description

{NO DATA ENTERED}

21. Evaluation studies planned

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

22. Data Collection Methods

- Mail
- On-Site
- Other

Description

{NO DATA ENTERED}

1. Name of the Planned Program

Family Relations and Transitions

2. Program knowledge areas

- 803 Sociological and Technological Change Affecting Individuals, Families and Communities 60 %
- 801 Individual and Family Resource Management 20 %
- 802 Human Development and Family Well-Being 20 %

3. Program existence

- Mature (More than five years)

4. Program duration

- Long-Term (More than five years)

5. 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.

6. 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

7. 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.

8. 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.

9. Scope of Program

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

Inputs for the Program

10. Expending formula funds or state-matching funds

- Yes

11. Expending other than formula funds or state-matching funds

- Yes

12. Expending amount of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2007	7.2	0.0	0.1	0.0
2008	7.3	0.0	0.4	0.0
2009	5.0	0.0	0.1	0.0
2010	5.1	0.0	0.1	0.0
2011	5.1	0.0	0.1	0.0

Outputs for the Program

13. Activity (What will be done?)

Applied Research

Collaborative Relationships With Community Organizations

Caring for Kids; a Baby Sitting Training for Youth

Infant Mental Health Professional Development Opportunities

Professional Development Opportunities Related to Family Relations for Home Visitors

Educational Resource Development

Family Development

Gender Project and Turn Beauty Inside Out Presentations Group Presentations

Gender Project Workshops Train-The-Trainer

Gender Project Workshops Experiential Learning

Grandma's Yellow Pie Plate

Home Visits With New Parents

Individual Consultations

Marketing/Media Efforts to Influence Parent Purchases for Children
Media Literacy and Workshops
Money Sense Newsletter
Parent Education Training
Parent Educator Training
Parenting Through Separation and Divorce
Project Collaborations
Human Development/Family Relations Training to New Parent Educators/Home Visitors in the Parents are Teachers Too Model
Technical Assistance to and Mentor Home Visiting Program Managers
Training Opportunities for Parent Educators.
Recruit, Educate and Match Volunteer Mentors With Adolescent Parents.
Group Collaboration to Improve and Expand Maine's Home Visiting System
Stepfamily Workshops
Strengthening Stepfamilies
Turn Beauty Inside Out Network Meetings
The Eleanor Days: Women's Leadership Retreats
Turn Beauty Inside Out Workshops
Volunteer Training
Volunteer Support

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

Extension	
Direct Method	Indirect Methods
<ul style="list-style-type: none">● Education Class● Workshop● Group Discussion● One-on-One Intervention● Demonstrations● Other 1 (Conference or symposium)	<ul style="list-style-type: none">● Newsletters● Other 1 (Applied Research)

15. 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)

16. 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
2007	1351	618	35	0
2008	1521	718	75	0
2009	1364	818	45	0
2010	1354	918	45	0
2011	1354	918	50	0

17. (Standard Research Target) Number of Patents

Expected Patents	
Year	Target
2007	0
2008	0
2009	0
2010	0
2011	0

18. Output measures**Output Text**

Direct - Experiential Learning

2007 Target: 4
2008 Target: 4
2009 Target: 4
2010 Target: 4
2011 Target: 4

Output Text

Direct - Applied Research

2007 Target: 0
2008 Target: 1
2009 Target: 1
2010 Target: 0
2011 Target: 0

Output Text

Direct - Collaborative or Cooperative Effort

2007 Target: 16
2008 Target: 16
2009 Target: 16
2010 Target: 16
2011 Target: 16

Output Text

Direct - Conference or symposium

2007	Target:	3
2008	Target:	3
2009	Target:	3
2010	Target:	3
2011	Target:	3

Output Text

Direct - Consultation

2007	Target:	1779
2008	Target:	1779
2009	Target:	1073
2010	Target:	1073
2011	Target:	1073

Output Text

Direct - Group Presentation

2007	Target:	10
2008	Target:	10
2009	Target:	10
2010	Target:	10
2011	Target:	10

Output Text

Direct - Public Presentation

2007	Target:	10
2008	Target:	10
2009	Target:	10
2010	Target:	10
2011	Target:	10

Output Text

Direct - Train-the-Trainer

2007	Target:	34
2008	Target:	34
2009	Target:	34
2010	Target:	34
2011	Target:	34

Output Text

Direct - Volunteer Training

2007	Target:	20
2008	Target:	20
2009	Target:	21
2010	Target:	21
2011	Target:	21

Output Text

Direct - Workshop - series

2007	Target:	11
2008	Target:	13
2009	Target:	14
2010	Target:	11
2011	Target:	11

Output Text

Indirect - Applied Research

2007	Target:	1
2008	Target:	0
2009	Target:	0
2010	Target:	0
2011	Target:	0

Output Text

Indirect - Publication - curriculum

2007	Target:	3
2008	Target:	3
2009	Target:	3
2010	Target:	3
2011	Target:	3

Output Text

Indirect - Publication - newsletter

2007	Target:	350
2008	Target:	450
2009	Target:	550
2010	Target:	650
2011	Target:	650

Output Text

Indirect - Written or e-mail response to Client Request

2007	Target:	50
2008	Target:	50
2009	Target:	50
2010	Target:	50
2011	Target:	50

Outcomes for the Program

19. Outcome measures

Outcome Text: Awareness created

Outcome Text

Demonstrate age-appropriate preventive health practices

Outcome Type: Short

- 2007 Target: 184
- 2008 Target: 184
- 2009 Target: 120
- 2010 Target: 120
- 2011 Target: 120

Outcome Text

Demonstrate age-appropriate relationship skills

Outcome Type: Short

- 2007 Target: 370
- 2008 Target: 400
- 2009 Target: 380
- 2010 Target: 380
- 2011 Target: 380

Outcome Text

Demonstrate age-appropriate tasks and needs

Outcome Type: Short

- 2007 Target: 180
- 2008 Target: 210
- 2009 Target: 190
- 2010 Target: 190
- 2011 Target: 190

Outcome Text

Demonstrate conflict management or mediation skills

Outcome Type: Short

- 2007 Target: 55
- 2008 Target: 90
- 2009 Target: 105
- 2010 Target: 110
- 2011 Target: 115

Outcome Text

Demonstrate effective mentoring or coaching skills

Outcome Type: Short

2007 Target: 87
2008 Target: 92
2009 Target: 102
2010 Target: 112
2011 Target: 117

Outcome Text

Demonstrate healthy lifestyle practices

Outcome Type: Short

2007 Target: 208
2008 Target: 208
2009 Target: 170
2010 Target: 170
2011 Target: 170

Outcome Text

Demonstrate how to care for and nurture others

Outcome Type: Short

2007 Target: 30
2008 Target: 60
2009 Target: 70
2010 Target: 70
2011 Target: 70

Outcome Text

Demonstrate how to communicate effectively

Outcome Type: Short

2007 Target: 75
2008 Target: 80
2009 Target: 90
2010 Target: 100
2011 Target: 105

Outcome Text

Demonstrate how to create safe spaces

Outcome Type: Short

2007 Target: 70
2008 Target: 70
2009 Target: 75
2010 Target: 80
2011 Target: 80

Outcome Text

Demonstrate how to develop a budget to meet financial goals

Outcome Type: Short

2007 Target: 0
2008 Target: 30
2009 Target: 40
2010 Target: 40
2011 Target: 40

Outcome Text

Demonstrate how to distinguish between "needs" and "wants"

Outcome Type: Short

2007 Target: 0
2008 Target: 30
2009 Target: 40
2010 Target: 40
2011 Target: 40

Outcome Text

Demonstrate how to keep good records

Outcome Type: Short

2007 Target: 0
2008 Target: 30
2009 Target: 40
2010 Target: 40
2011 Target: 40

Outcome Text

Demonstrate how to make informed financial decisions

Outcome Type: Short

2007 Target: 80
2008 Target: 110
2009 Target: 120
2010 Target: 120
2011 Target: 120

Outcome Text

Demonstrate how to promote competence

Outcome Type: Short

2007 Target: 32
2008 Target: 32
2009 Target: 37
2010 Target: 42
2011 Target: 42

Outcome Text

Demonstrate how to respect others

Outcome Type: Short

2007 Target: 95
2008 Target: 100
2009 Target: 110
2010 Target: 120
2011 Target: 125

Outcome Text

Demonstrate how to respond to an emergency situation

Outcome Type: Short

2007 Target: 0
2008 Target: 30
2009 Target: 40
2010 Target: 40
2011 Target: 40

Outcome Text

Demonstrate how to support development of whole people

Outcome Type: Short

2007 Target: 270
2008 Target: 270
2009 Target: 270
2010 Target: 270
2011 Target: 270

Outcome Text

Demonstrate positive engagement in their communities

Outcome Type: Short

2007 Target: 55
2008 Target: 60
2009 Target: 65
2010 Target: 70
2011 Target: 75

Outcome Text

Describe age-appropriate safety practices

Outcome Type: Short

2007 Target: 170
2008 Target: 170
2009 Target: 170
2010 Target: 170
2011 Target: 170

Outcome Text

Describe effective group work and leadership

Outcome Type: Short

2007 Target: 35
2008 Target: 35
2009 Target: 25
2010 Target: 30
2011 Target: 30

Outcome Text

Describe elements of safe environments in homes, schools, or communities

Outcome Type: Short

2007 Target: 20
2008 Target: 20
2009 Target: 25
2010 Target: 30
2011 Target: 30

Outcome Text

Describe gender stereotypes and their effects

Outcome Type: Short

2007 Target: 390
2008 Target: 390
2009 Target: 390
2010 Target: 390
2011 Target: 390

Outcome Text

Describe the components of a record-keeping system

Outcome Type: Short

2007 Target: 50
2008 Target: 50
2009 Target: 50
2010 Target: 50
2011 Target: 50

Outcome Text

Describe the elements of safe spaces

Outcome Type: Short

2007 Target: 260
2008 Target: 260
2009 Target: 260
2010 Target: 260
2011 Target: 260

Outcome Text

Describe the essential factors regarding human development principles

Outcome Type: Short

2007 Target: 28
2008 Target: 28
2009 Target: 33
2010 Target: 38
2011 Target: 38

Outcome Text

Describe the impact of cultural and media messages

Outcome Type: Short

2007 Target: 370
2008 Target: 370
2009 Target: 370
2010 Target: 370
2011 Target: 370

Outcome Text

Adopt record-keeping system

Outcome Type: Medium

2007 Target: 150
2008 Target: 150
2009 Target: 200
2010 Target: 200
2011 Target: 200

Outcome Text

Balance roles, responsibilities, and stress

Outcome Type: Medium

2007 Target: 100
2008 Target: 130
2009 Target: 140
2010 Target: 140
2011 Target: 140

Outcome Text

Conduct community-based education that encourages healthy individual and family behaviors

Outcome Type: Medium

2007 Target: 160
2008 Target: 160
2009 Target: 130
2010 Target: 130
2011 Target: 130

Outcome Text

Create learning opportunities based on principles of positive human development

Outcome Type: Medium

2007 Target: 375

2008 Target: 410

2009 Target: 390

2010 Target: 400

2011 Target: 405

Outcome Text

Create safe and empowering learning opportunities

Outcome Type: Medium

2007 Target: 110

2008 Target: 115

2009 Target: 125

2010 Target: 135

2011 Target: 140

Outcome Text

Create sustainable networks

Outcome Type: Medium

2007 Target: 5

2008 Target: 5

2009 Target: 5

2010 Target: 5

2011 Target: 5

Outcome Text

Develop a financial plan

Outcome Type: Medium

2007 Target: 300

2008 Target: 300

2009 Target: 350

2010 Target: 350

2011 Target: 350

Outcome Text

Develop and apply policies or practices that create safe, healthy physical environments

Outcome Type: Medium

2007 Target: 20

2008 Target: 50

2009 Target: 65

2010 Target: 70

2011 Target: 70

Outcome Text

Develop and apply policies or practices that create safe, healthy psychological environments

Outcome Type: Medium

2007 Target: 78
2008 Target: 83
2009 Target: 93
2010 Target: 103
2011 Target: 108

Outcome Text

Develop literacy and critical thinking skills

Outcome Type: Medium

2007 Target: 100
2008 Target: 100
2009 Target: 100
2010 Target: 100
2011 Target: 100

Outcome Text

Develop skills that promote healthy relationships

Outcome Type: Medium

2007 Target: 254
2008 Target: 314
2009 Target: 310
2010 Target: 310
2011 Target: 310

Outcome Text

Engage in leadership development

Outcome Type: Medium

2007 Target: 120
2008 Target: 120
2009 Target: 120
2010 Target: 120
2011 Target: 120

Outcome Text

Make better decisions

Outcome Type: Medium

2007 Target: 300
2008 Target: 300
2009 Target: 300
2010 Target: 300
2011 Target: 300

Outcome Text

Make better decisions using accurate records

Outcome Type: Medium

2007 Target: 0
2008 Target: 30
2009 Target: 40
2010 Target: 40
2011 Target: 40

Outcome Text

Manage community resources

Outcome Type: Medium

2007 Target: 50
2008 Target: 50
2009 Target: 50
2010 Target: 50
2011 Target: 50

Outcome Text

Model positive group behavior to others

Outcome Type: Medium

2007 Target: 100
2008 Target: 130
2009 Target: 140
2010 Target: 140
2011 Target: 140

Outcome Text

Organize conferences or other learning opportunities

Outcome Type: Medium

2007 Target: 2
2008 Target: 2
2009 Target: 2
2010 Target: 2
2011 Target: 2

Outcome Text

Use literacy and critical thinking skills

Outcome Type: Medium

2007 Target: 108
2008 Target: 138
2009 Target: 148
2010 Target: 148
2011 Target: 148

Outcome Text

Use relevant UMCE web-based resources

Outcome Type: Medium

2007 Target: 250

2008 Target: 280

2009 Target: 290

2010 Target: 290

2011 Target: 290

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

Provide learning opportunities for groups or organizations

Outcome Type: Medium

2007 Target: 50

2008 Target: 50

2009 Target: 50

2010 Target: 50

2011 Target: 50

Outcome Text

Reduce or eliminate gender stereotyping

Outcome Type: Medium

2007 Target: 160

2008 Target: 160

2009 Target: 160

2010 Target: 160

2011 Target: 160

Outcome Text

Teach others to take leadership and facilitation roles

Outcome Type: Medium

2007 Target: 75

2008 Target: 80

2009 Target: 90

2010 Target: 100

2011 Target: 105

Outcome Text

Treat all people with dignity and respect

Outcome Type: Medium

2007 Target: 185

2008 Target: 220

2009 Target: 240

2010 Target: 250

2011 Target: 255

20. External factors which may affect outcomes

- Economy
- Appropriations changes
- Public Policy changes
- Competing Public priorities
- Competing Programatic Challenges
- Populations changes (immigration,new cultural groupings,etc.)

Description

{NO DATA ENTERED}

21. Evaluation studies planned

- Before-After (before and after program)
- During (during program)
- Time series (multiple points before and after program)
- Case Study

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.

22. Data Collection Methods

- Telephone
- On-Site
- Structured
- Case Study
- Other

Description

{NO DATA ENTERED}

1. Name of the Planned Program

Food Safety

2. Program knowledge areas

- 712 Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins 60 %
- 711 Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources 40 %

3. Program existence

- Mature (More than five years)

4. Program duration

- Long-Term (More than five years)

5. 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.

6. 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.

7. 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.

8. 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.

9. Scope of Program

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

Inputs for the Program

10. Expending formula funds or state-matching funds

- Yes

11. Expending other than formula funds or state-matching funds

- Yes

12. Expending amount of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2007	2.3	0.0	0.4	0.0
2008	2.4	0.0	0.4	0.0
2009	2.4	0.0	0.4	0.0
2010	2.4	0.0	0.4	0.0
2011	2.4	0.0	0.4	0.0

Outputs for the Program

13. Activity (What will be done?)

- Applied Research in Food Processing Safety
- Client Calls on Nutrition, Food Safety, and Food Preservation
- Consumer Consultation
- Cooking for Crowds
- EFNEP Food Safety
- Fight Foodborne Illness
- Food Cupboard Coalition
- Food Preservation and Nutrition Call Team
- Food Preservation Workshops - Canning
- Food Safety Fun Kits
- Advanced Dock-side Testing Procedures
- Good Agricultural Practices (GAP II)
- Health Fair
- Learn to Preserve Safely
- Maine Cattle Health Assurance Program
- Maine Family Nutrition Program Food Safety
- Piscataquis Public Health Coalition
- Preserving the Harvest
- Pressure Gauge Testing
- Safety Zone

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

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

15. 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)

16. 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
2007	1815	1050	2020	0
2008	2016	1050	2020	0
2009	1232	1050	2020	0
2010	1233	1050	2020	0
2011	1274	1050	2020	0

17. (Standard Research Target) Number of Patents

Expected Patents	
Year	Target
2007	0
2008	0
2009	0
2010	0
2011	0

18. Output measures

Output Text

Direct - Group Presentation

2007 Target: 3
 2008 Target: 3
 2009 Target: 3
 2010 Target: 3
 2011 Target: 3

Output Text

Direct - Applied Research

2007 Target: 5
 2008 Target: 5
 2009 Target: 5
 2010 Target: 5
 2011 Target: 5

Output Text

Direct - Collaborative or Cooperative Effort

2007 Target: 5
 2008 Target: 4
 2009 Target: 4
 2010 Target: 4
 2011 Target: 4

Output Text

Direct - Consultation

2007 Target: 2600
 2008 Target: 2600
 2009 Target: 2600
 2010 Target: 2600
 2011 Target: 2600

Output Text

Direct - Volunteer Training

2007	Target:	4
2008	Target:	6
2009	Target:	6
2010	Target:	6
2011	Target:	6

Output Text

Direct - Workshop - series

2007	Target:	2
2008	Target:	2
2009	Target:	1
2010	Target:	1
2011	Target:	1

Output Text

Direct - Workshop - single session

2007	Target:	15
2008	Target:	20
2009	Target:	20
2010	Target:	20
2011	Target:	20

Output Text

Indirect - Publication - newsletter

2007	Target:	6
2008	Target:	6
2009	Target:	6
2010	Target:	6
2011	Target:	6

Output Text

Indirect - Website

2007	Target:	1
2008	Target:	0
2009	Target:	0
2010	Target:	0
2011	Target:	0

Outcomes for the Program

19. Outcome measures

Outcome Text: Awareness created

Outcome Text

Access relevant UMCE publications.

Outcome Type: Short

2007 Target: 100

2008 Target: 100

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Demonstrate appropriate food safety practices

Outcome Type: Short

2007 Target: 270

2008 Target: 460

2009 Target: 445

2010 Target: 445

2011 Target: 445

Outcome Text

Demonstrate how to access community resources

Outcome Type: Short

2007 Target: 10050

2008 Target: 10050

2009 Target: 10050

2010 Target: 10050

2011 Target: 10050

Outcome Text

Demonstrate how to access locally-grown foods

Outcome Type: Short

2007 Target: 40

2008 Target: 40

2009 Target: 40

2010 Target: 40

2011 Target: 40

Outcome Text

Demonstrate sustainable living skills

Outcome Type: Short

2007 Target: 50

2008 Target: 100

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Describe HACCP principles

Outcome Type: Short

2007 Target: 110

2008 Target: 160

2009 Target: 135

2010 Target: 135

2011 Target: 135

Outcome Text

Describe USDA approved food preservation methods

Outcome Type: Short

2007 Target: 105

2008 Target: 155

2009 Target: 155

2010 Target: 155

2011 Target: 155

Outcome Text

Describe age-appropriate safety practices

Outcome Type: Short

2007 Target: 2460

2008 Target: 2460

2009 Target: 2460

2010 Target: 2460

2011 Target: 2460

Outcome Text

Describe animal health programs

Outcome Type: Short

2007 Target: 65

2008 Target: 90

2009 Target: 115

2010 Target: 140

2011 Target: 165

Outcome Text

Describe community resources

Outcome Type: Short

2007 Target: 50

2008 Target: 50

2009 Target: 50

2010 Target: 50

2011 Target: 50

Outcome Text

Describe proper food handling practices

Outcome Type: Short

2007 Target: 670

2008 Target: 310

2009 Target: 270

2010 Target: 260

2011 Target: 270

Outcome Text

Describe the principles of a bio-security plan

Outcome Type: Short

2007 Target: 25

2008 Target: 50

2009 Target: 75

2010 Target: 100

2011 Target: 125

Outcome Text

Describe the risks of not handling food safely

Outcome Type: Short

2007 Target: 150

2008 Target: 140

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Describe the value of consuming locally-produced food

Outcome Type: Short

2007 Target: 450

2008 Target: 500

2009 Target: 500

2010 Target: 500

2011 Target: 500

Outcome Text

Adopt HACCP and bio-security plans

Outcome Type: Medium

2007 Target: 25

2008 Target: 50

2009 Target: 75

2010 Target: 100

2011 Target: 125

Outcome Text

Adopt behaviors to prevent or minimize complications of chronic disease

Outcome Type: Medium

2007 Target: 125

2008 Target: 125

2009 Target: 125

2010 Target: 125

2011 Target: 125

Outcome Text

Adopt food safety practices

Outcome Type: Medium

2007 Target: 2785

2008 Target: 2875

2009 Target: 2860

2010 Target: 2850

2011 Target: 2860

Outcome Text

Adopt the USDA dietary guidelines and the food guide pyramid

Outcome Type: Medium

2007 Target: 160

2008 Target: 160

2009 Target: 160

2010 Target: 160

2011 Target: 160

Outcome Text

Keep accurate records

Outcome Type: Medium

2007 Target: 45

2008 Target: 45

2009 Target: 45

2010 Target: 45

2011 Target: 45

Outcome Text

Keep livestock healthy

Outcome Type: Medium

2007 Target: 25

2008 Target: 50

2009 Target: 75

2010 Target: 100

2011 Target: 125

Outcome Text

Participate in Maine cattle health assurance program

Outcome Type: Medium

2007 Target: 40

2008 Target: 40

2009 Target: 40

2010 Target: 40

2011 Target: 40

Outcome Text

Participate in Salmonella enteriditis surveillance program

Outcome Type: Medium

2007 Target: 25

2008 Target: 50

2009 Target: 75

2010 Target: 100

2011 Target: 125

Outcome Text

Participate in livestock disease monitoring programs

Outcome Type: Medium

2007 Target: 25

2008 Target: 50

2009 Target: 75

2010 Target: 100

2011 Target: 125

Outcome Text

Use relevant UMCE web-based resources

Outcome Type: Medium

2007 Target: 100

2008 Target: 100

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

20. External factors which may affect outcomes

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

Description

{NO DATA ENTERED}

21. Evaluation studies planned

- Retrospective (post program)
- Before-After (before and after program)
- Case Study
- Comparisons between program participants (individuals,group,organizations) and non-participants

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.

22. Data Collection Methods

- Mail
- Telephone
- On-Site
- Structured
- Other

Description

{NO DATA ENTERED}

1. Name of the Planned Program

Forestry and Wildlife

2. Program knowledge areas

- 136 Conservation of Biological Diversity 20 %
- 125 Agroforestry 10 %
- 134 Outdoor Recreation 5 %
- 112 Watershed Protection and Management 10 %
- 124 Urban Forestry 5 %
- 123 Management and Sustainability of Forest Resources 20 %
- 135 Aquatic and Terrestrial Wildlife 20 %
- 724 Healthy Lifestyle 10 %

3. Program existence

- Mature (More than five years)

4. Program duration

- Long-Term (More than five years)

5. 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.

6. 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).

7. 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.

8. 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.

9. Scope of Program

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

Inputs for the Program**10. Expending formula funds or state-matching funds**

- Yes

11. Expending other than formula funds or state-matching funds

- No

12. Expending amount of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2007	3.1	0.0	0.2	0.0
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

Outputs for the Program**13. Activity (What will be done?)**

Habitats Fact Sheet Series and PowerPoint Presentations
 Annual Maple School
 Applied Research
 Biodiversity in the Forests of Maine (manual)
 General Program Support and Networking
 Habitat Steward Program
 Non-timber Forest Product Programming
 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

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

Extension	
Direct Method	Indirect Methods
<ul style="list-style-type: none"> ● Education Class ● Workshop ● Group Discussion ● One-on-One Intervention 	<ul style="list-style-type: none"> ● Other 1 (Publication)

<ul style="list-style-type: none">● Demonstrations● Other 1 (Applied Research)● Other 2 (Collaborative or Cooperative Eff)	
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15. 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)

16. 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
2007	5461	120186	80	0
2008	5379	120226	82	0
2009	5354	120226	82	0
2010	333	225	82	0
2011	333	225	82	0

17. (Standard Research Target) Number of Patents

Expected Patents	
Year	Target
2007	0
2008	0
2009	0
2010	0
2011	0

18. Output measures

Output Text

Direct - Collaborative or Cooperative Effort

2007	Target:	1
2008	Target:	1
2009	Target:	1
2010	Target:	0
2011	Target:	0

Output Text

Direct - Clinic

2007	Target:	4
2008	Target:	2
2009	Target:	2
2010	Target:	0
2011	Target:	0

Output Text

Direct - Applied Research

2007	Target:	1
2008	Target:	1
2009	Target:	1
2010	Target:	1
2011	Target:	1

Output Text

Direct - Conference or symposium

2007	Target:	25
2008	Target:	25
2009	Target:	0
2010	Target:	0
2011	Target:	0

Output Text

Direct - Consultation

2007	Target:	30
2008	Target:	30
2009	Target:	30
2010	Target:	30
2011	Target:	30

Output Text

Direct - Course

2007	Target:	1
2008	Target:	1
2009	Target:	1
2010	Target:	0
2011	Target:	0

Output Text

Direct - Group Presentation

2007	Target:	10
2008	Target:	10
2009	Target:	10
2010	Target:	10
2011	Target:	10

Output Text

Direct - Public Presentation

2007	Target:	12
2008	Target:	12
2009	Target:	12
2010	Target:	12
2011	Target:	12

Output Text

Direct - Train-the-Trainer

2007	Target:	1
2008	Target:	1
2009	Target:	1
2010	Target:	1
2011	Target:	1

Output Text

Direct - Workshop - single session

2007	Target:	100
2008	Target:	100
2009	Target:	100
2010	Target:	100
2011	Target:	100

Output Text

Indirect - Publication

2007	Target:	5
2008	Target:	6
2009	Target:	6
2010	Target:	2
2011	Target:	2

Output Text

Indirect - Publication - fact sheet

2007 Target: 3
2008 Target: 3
2009 Target: 2
2010 Target: 2
2011 Target: 2

Outcomes for the Program

19. Outcome measures

Outcome Text: Awareness created

Outcome Text

Demonstrate appreciation of wildlife in home landscape

Outcome Type: Short

2007 Target: 120
2008 Target: 120
2009 Target: 120
2010 Target: 120
2011 Target: 120

Outcome Text

Demonstrate how to evaluate the credibility of scientific information

Outcome Type: Short

2007 Target: 100
2008 Target: 100
2009 Target: 100
2010 Target: 0
2011 Target: 0

Outcome Text

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

Outcome Type: Short

2007 Target: 20
2008 Target: 20
2009 Target: 20
2010 Target: 20
2011 Target: 20

Outcome Text

Demonstrate how to locate information in multiple ways

Outcome Type: Short

2007 Target: 100
2008 Target: 100
2009 Target: 100
2010 Target: 0
2011 Target: 0

Outcome Text

Demonstrate how to test new production techniques

Outcome Type: Short

2007 Target: 10

2008 Target: 10

2009 Target: 10

2010 Target: 10

2011 Target: 10

Outcome Text

Demonstrate observation skills

Outcome Type: Short

2007 Target: 120

2008 Target: 120

2009 Target: 120

2010 Target: 120

2011 Target: 120

Outcome Text

Demonstrate project-related science or technology skills

Outcome Type: Short

2007 Target: 50

2008 Target: 50

2009 Target: 50

2010 Target: 0

2011 Target: 0

Outcome Text

Demonstrate sustainable living principles and practices

Outcome Type: Short

2007 Target: 20

2008 Target: 30

2009 Target: 40

2010 Target: 40

2011 Target: 40

Outcome Text

Describe an improved quality of life

Outcome Type: Short

2007 Target: 120

2008 Target: 120

2009 Target: 120

2010 Target: 120

2011 Target: 120

Outcome Text

Describe forest ecosystem processes

Outcome Type: Short

2007 Target: 20
2008 Target: 30
2009 Target: 40
2010 Target: 40
2011 Target: 40

Outcome Text

Describe freshwater ecosystem processes

Outcome Type: Short

2007 Target: 20
2008 Target: 30
2009 Target: 40
2010 Target: 40
2011 Target: 40

Outcome Text

Describe management strategies for forest ecosystems

Outcome Type: Short

2007 Target: 570
2008 Target: 130
2009 Target: 140
2010 Target: 40
2011 Target: 40

Outcome Text

Describe management strategies for freshwater ecosystems

Outcome Type: Short

2007 Target: 10
2008 Target: 20
2009 Target: 30
2010 Target: 30
2011 Target: 30

Outcome Text

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

Outcome Type: Short

2007 Target: 10
2008 Target: 10
2009 Target: 10
2010 Target: 10
2011 Target: 10

Outcome Text

Describe principles of wildlife habitat management

Outcome Type: Short

2007 Target: 360

2008 Target: 360

2009 Target: 360

2010 Target: 360

2011 Target: 360

Outcome Text

Describe wildlife habitat components

Outcome Type: Short

2007 Target: 240

2008 Target: 240

2009 Target: 240

2010 Target: 240

2011 Target: 240

Outcome Text

Describe wildlife survival needs

Outcome Type: Short

2007 Target: 240

2008 Target: 240

2009 Target: 240

2010 Target: 240

2011 Target: 240

Outcome Text

Adopt appropriate practices

Outcome Type: Medium

2007 Target: 220

2008 Target: 260

2009 Target: 260

2010 Target: 210

2011 Target: 210

Outcome Text

Adopt appropriate technologies

Outcome Type: Medium

2007 Target: 50

2008 Target: 50

2009 Target: 50

2010 Target: 0

2011 Target: 0

Outcome Text

Conduct community service or outreach

Outcome Type: Medium

2007 Target: 40

2008 Target: 50

2009 Target: 60

2010 Target: 70

2011 Target: 80

Outcome Text

Improve cover or shelter for wildlife

Outcome Type: Medium

2007 Target: 150

2008 Target: 150

2009 Target: 150

2010 Target: 150

2011 Target: 150

Outcome Text

Improve food availability for wildlife

Outcome Type: Medium

2007 Target: 150

2008 Target: 150

2009 Target: 150

2010 Target: 150

2011 Target: 150

Outcome Text

Improve water availability for wildlife

Outcome Type: Medium

2007 Target: 100

2008 Target: 100

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Increase purchase of Maine products

Outcome Type: Medium

2007 Target: 10

2008 Target: 10

2009 Target: 10

2010 Target: 10

2011 Target: 10

Outcome Text

Increase use of Maine-produced natural resources

Outcome Type: Medium

2007 Target: 30

2008 Target: 30

2009 Target: 30

2010 Target: 30

2011 Target: 30

Outcome Text

Make better decision regarding natural resource management

Outcome Type: Medium

2007 Target: 140

2008 Target: 150

2009 Target: 160

2010 Target: 60

2011 Target: 60

Outcome Text

Make better decisions using science and technology skills

Outcome Type: Medium

2007 Target: 100

2008 Target: 100

2009 Target: 100

2010 Target: 0

2011 Target: 0

Outcome Text

Protect or conserve biodiversity and habitat including native plant and animal species

Outcome Type: Medium

2007 Target: 120

2008 Target: 120

2009 Target: 120

2010 Target: 120

2011 Target: 120

Outcome Text

Reduce pesticide use

Outcome Type: Medium

2007 Target: 150

2008 Target: 150

2009 Target: 150

2010 Target: 150

2011 Target: 150

Outcome Text

Start viable alternative enterprises based on sustainable use of natural resources (forest, marine, agriculture)

Outcome Type: Medium

- 2007 Target: 10
- 2008 Target: 10
- 2009 Target: 10
- 2010 Target: 10
- 2011 Target: 10

Outcome Text

Use relevant UMCE web-based resources

Outcome Type: Medium

- 2007 Target: 610
- 2008 Target: 610
- 2009 Target: 610
- 2010 Target: 10
- 2011 Target: 10

Outcome Text

Use services of natural resource professionals

Outcome Type: Medium

- 2007 Target: 240
- 2008 Target: 240
- 2009 Target: 240
- 2010 Target: 40
- 2011 Target: 40

Outcome Text

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

Outcome Type: Long

- 2007 Target: 0
- 2008 Target: 0
- 2009 Target: 0
- 2010 Target: 0
- 2011 Target: 0

Outcome Text

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

Outcome Type: Long

- 2007 Target: 0
- 2008 Target: 0
- 2009 Target: 0
- 2010 Target: 0
- 2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

20. External factors which may affect outcomes

- Natural Disasters (drought,weather extremes,etc.)
- Economy
- Appropriations changes
- Public Policy changes
- Government Regulations

Description

{NO DATA ENTERED}

21. 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.

22. Data Collection Methods

- Mail
- Telephone
- Structured
- Case Study
- Other

Description

{NO DATA ENTERED}

1. Name of the Planned Program

Health Literacy, Disease, and Our Health Care System

2. Program knowledge areas

- 803 Sociological and Technological Change Affecting Individuals, Families and Communities 15 %
- 805 Community Institutions, Health, and Social Services 65 %
- 802 Human Development and Family Well-Being 20 %

3. Program existence

- Mature (More than five years)

4. Program duration

- Long-Term (More than five years)

5. 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.

6. 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."

7. 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.

8. 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.

9. Scope of Program

- In-State Extension
- In-State Research
- Multistate Research

Inputs for the Program**10. Expending formula funds or state-matching funds**

- Yes

11. Expending other than formula funds or state-matching funds

- Yes

12. Expending amount of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2007	0.8	0.0	0.1	0.0
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

Outputs for the Program**13. Activity (What will be done?)**

Applied Research; Elder-ready Assessment
Senior Companion Program Training

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

Extension	
Direct Method	Indirect Methods
<ul style="list-style-type: none"> ● Education Class ● Other 1 (Applied Research) ● Other 2 (Collaborative or Cooperative Eff) 	<ul style="list-style-type: none"> ● Other 1 (Applied Research)

15. Description of targeted audience

Community Leaders (Adult)
Community Members (Adult)
Extension - all staff (Adult)
Senior Companion Program Clients (Adult)
Senior Companion Program Volunteers (Adult)

16. 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
2007	257	0	0	0
2008	335	0	0	0
2009	345	0	0	0
2010	365	0	0	0
2011	375	0	0	0

17. (Standard Research Target) Number of Patents

Expected Patents	
Year	Target
2007	0
2008	0
2009	0
2010	0
2011	0

18. Output measures**Output Text**

Direct - Applied Research

2007 Target: 0
 2008 Target: 1
 2009 Target: 1
 2010 Target: 1
 2011 Target: 1

Output Text

Direct - Collaborative or Cooperative Effort

2007 Target: 1
 2008 Target: 1
 2009 Target: 1
 2010 Target: 1
 2011 Target: 1

Output Text

Direct - Volunteer Training

2007 Target: 50
 2008 Target: 50
 2009 Target: 50
 2010 Target: 50
 2011 Target: 50

Outcomes for the Program

19. Outcome measures

Outcome Text: Awareness created

Outcome Text

Create a Community Vision Statement.

Outcome Type: Short

2007 Target: 0
2008 Target: 10
2009 Target: 10
2010 Target: 10
2011 Target: 10

Outcome Text

Demonstrate age-appropriate relationship skills

Outcome Type: Short

2007 Target: 75
2008 Target: 75
2009 Target: 75
2010 Target: 75
2011 Target: 75

Outcome Text

Demonstrate how to conduct community needs assessment

Outcome Type: Short

2007 Target: 0
2008 Target: 20
2009 Target: 20
2010 Target: 20
2011 Target: 20

Outcome Text

Demonstrate improved communication skills

Outcome Type: Short

2007 Target: 75
2008 Target: 75
2009 Target: 75
2010 Target: 75
2011 Target: 75

Outcome Text

Describe home modifications that can be made to promote independent living

Outcome Type: Short

2007 Target: 75

2008 Target: 75

2009 Target: 75

2010 Target: 75

2011 Target: 75

Outcome Text

Adopt effective communication skills

Outcome Type: Medium

2007 Target: 75

2008 Target: 75

2009 Target: 75

2010 Target: 75

2011 Target: 75

Outcome Text

Develop relationships that support independent living

Outcome Type: Medium

2007 Target: 75

2008 Target: 75

2009 Target: 75

2010 Target: 75

2011 Target: 75

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

20. External factors which may affect outcomes

- Economy
- Public Policy changes
- Government Regulations
- Competing Programatic Challenges

Description

{NO DATA ENTERED}

21. Evaluation studies planned

- Retrospective (post program)
- Before-After (before and after program)
- During (during 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.

22. Data Collection Methods

- Mail
- On-Site
- Structured
- Observation
- Journals
- Other

Description

{NO DATA ENTERED}

1. Name of the Planned Program

Healthy Lifestyles

2. Program knowledge areas

- 724 Healthy Lifestyle 9 %
- 703 Nutrition Education and Behavior 48 %
- 802 Human Development and Family Well-Being 35 %
- 803 Sociological and Technological Change Affecting Individuals, Families and Communities 8 %

3. Program existence

- Mature (More than five years)

4. Program duration

- Long-Term (More than five years)

5. 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.

6. 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>.

7. 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].

8. 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.

9. Scope of Program

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

Inputs for the Program

10. Expending formula funds or state-matching funds

- Yes

11. Expending other than formula funds or state-matching funds

- Yes

12. Expending amount of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2007	7.8	0.0	0.7	0.0
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

Outputs for the Program

13. Activity (What will be done?)

Figure-ing Out Fats". Know the Difference Among Saturated, Unsaturated, and Trans Fats
3-5 I'm in Charge
4-H Animal Clinics and Fairs
Annual Nutrition/Physical Activity Workshop
Babysitter's Training
Collaborative Relationships; Parents Are Teachers Too
Building Capacity of Senior Companion Aides to Educate Volunteers
Building the Capacity of Parenting Educators in Knox and Waldo Counties
Bullying Prevention Programs
Cooking for a Crowd
Create Professional Development Opportunities for Home Visitors
Cumberland County Extension Homemakers
Developing Skills for Diverse Learning Abilities
Diabetes: Eating Matters
Dietary Guidelines for Americans, 2005 and Mypyramid Food Guidance System Publications
Eating Matters: a Program for Families With Diabetes
Educational Opportunities for All Learning Styles
Effective Partnerships
EFNEP Food Resource Management
EFNEP Nutrition Practices
EFNEP Physical Activity
Elderhostel Courses
Food Safety and Preservation
Food Safety Sessions
Gender Project- Media Literacy Which Includes Internet Safety
Health and Nutrition (Display Or Exhibit)
Health and Nutrition (Group Presentation)
Health and Nutrition (Train the Trainer)
Health and Nutrition (Workshops)
Healthy Eating Sessions
Home Visits With New Parents
Keeping Healthy Records
Maine Family Nutrition Program Food Resource Management
Maine Family Nutrition Program Nutrition Practices
Maine Family Nutrition Program Physical Activity
Maine Family Nutrition Program Distribution of Nutrition Education Materials and Promotional Information
Media Literacy for Healthy Lifestyles
Media Literacy Workshops
Methods of Cooking for Health
Money Sense Newsletter
Nutrition Sessions
Nutrition Workshops
Nutrition, Food and Physical Activity Symposium
Parenting Education in Knox and Waldo Counties
Provide Healthy Lifestyles Training to New Parent Educators in the Parents Are Teachers Too Model
Provide Technical Assistance and Consultation to Collaborative Partners and Colleagues to Increase Community Capacity to
Assess and Address Current Health Issues.
Seasonal Fluid Intake Study
Senor Companion Program
Summer Youth Day Camp
Techni-Kids On the Move! and Moving Matters
The Heart Truth Campaign: Serious Messages About Women and Heart Disease
Using Mypyramid
Wellness Matters & Nutrition Notions Newsletter
Wellness Matters: Including Dietary Guidelines for Americans and Mypyramid

Wellness Sessions
Workshops, Newsletters, Consultations
Yearly Nutrition Training for Homemaker's County Advisory Board as a Train-the-Trainer

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

Extension	
Direct Method	Indirect Methods
<ul style="list-style-type: none">● Education Class● Workshop● Group Discussion● One-on-One Intervention● Other 1 (Train-the-Trainer)● Other 2 (Collaborative or Cooperative Eff)	<ul style="list-style-type: none">● Newsletters● Other 1 (Publication)

15. 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)

16. 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
2007	10154	28150	5640	50
2008	10253	28250	6440	50
2009	10506	28350	6705	50
2010	10255	28350	6715	50
2011	10261	28450	6640	23

17. (Standard Research Target) Number of Patents

Expected Patents	
Year	Target
2007	0
2008	0
2009	0
2010	0
2011	0

18. Output measures**Output Text**

Direct - 4-H Day Camp

2007 Target: 15
 2008 Target: 15
 2009 Target: 15
 2010 Target: 15
 2011 Target: 15

Output Text

Direct - 4-H School Enrichment

2007 Target: 2
 2008 Target: 4
 2009 Target: 5
 2010 Target: 5
 2011 Target: 5

Output Text

Direct - Collaborative or Cooperative Effort

2007 Target: 10000
 2008 Target: 10000
 2009 Target: 10000
 2010 Target: 10000
 2011 Target: 10000

Output Text

Direct - Consultation

2007	Target:	8400
2008	Target:	8400
2009	Target:	8400
2010	Target:	8400
2011	Target:	8400

Output Text

Direct - Course

2007	Target:	15
2008	Target:	15
2009	Target:	15
2010	Target:	15
2011	Target:	15

Output Text

Direct - Group Presentation

2007	Target:	15
2008	Target:	15
2009	Target:	15
2010	Target:	15
2011	Target:	15

Output Text

Direct - Public Presentation

2007	Target:	40
2008	Target:	40
2009	Target:	40
2010	Target:	40
2011	Target:	40

Output Text

Direct - Train-the-Trainer

2007	Target:	15
2008	Target:	15
2009	Target:	15
2010	Target:	15
2011	Target:	15

Output Text

Direct - Workshop - series

2007	Target:	30
2008	Target:	30
2009	Target:	30
2010	Target:	30
2011	Target:	30

Output Text

Direct - Workshop - single session

2007	Target:	25
2008	Target:	25
2009	Target:	25
2010	Target:	25
2011	Target:	25

Output Text

Indirect - Display or Exhibit

2007	Target:	2
2008	Target:	2
2009	Target:	2
2010	Target:	2
2011	Target:	2

Output Text

Indirect - Publication - fact sheet

2007	Target:	2
2008	Target:	2
2009	Target:	2
2010	Target:	2
2011	Target:	2

Output Text

Indirect - Publication - newsletter

2007	Target:	16
2008	Target:	24
2009	Target:	24
2010	Target:	24
2011	Target:	24

Outcomes for the Program

19. Outcome measures

Outcome Text: Awareness created

Outcome Text

Demonstrate age-appropriate preventive health practices

Outcome Type: Short

2007 Target: 120

2008 Target: 120

2009 Target: 120

2010 Target: 120

2011 Target: 120

Outcome Text

Demonstrate animal handling practices

Outcome Type: Short

2007 Target: 75

2008 Target: 90

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Demonstrate appreciation of diversity

Outcome Type: Short

2007 Target: 63

2008 Target: 63

2009 Target: 63

2010 Target: 63

2011 Target: 63

Outcome Text

Demonstrate appropriate food safety practices

Outcome Type: Short

2007 Target: 85

2008 Target: 85

2009 Target: 60

2010 Target: 60

2011 Target: 60

Outcome Text

Demonstrate healthy lifestyle practices

Outcome Type: Short

2007 Target: 1270

2008 Target: 2320

2009 Target: 2320

2010 Target: 2320

2011 Target: 2320

Outcome Text

Demonstrate how to access community resources

Outcome Type: Short

2007 Target: 10050

2008 Target: 10050

2009 Target: 10050

2010 Target: 10050

2011 Target: 10050

Outcome Text

Demonstrate how to allocate scarce or limited resources

Outcome Type: Short

2007 Target: 2460

2008 Target: 2460

2009 Target: 2460

2010 Target: 2460

2011 Target: 2460

Outcome Text

Demonstrate how to care for and nurture others

Outcome Type: Short

2007 Target: 25

2008 Target: 25

2009 Target: 25

2010 Target: 25

2011 Target: 25

Outcome Text

Demonstrate how to confront disrespectful behavior

Outcome Type: Short

2007 Target: 50

2008 Target: 50

2009 Target: 50

2010 Target: 50

2011 Target: 50

Outcome Text

Demonstrate how to create new media that promotes positive human development

Outcome Type: Short

2007 Target: 20

2008 Target: 40

2009 Target: 50

2010 Target: 50

2011 Target: 50

Outcome Text

Demonstrate how to create safe spaces

Outcome Type: Short

2007 Target: 90

2008 Target: 90

2009 Target: 90

2010 Target: 90

2011 Target: 90

Outcome Text

Demonstrate how to critically discern the impacts of media

Outcome Type: Short

2007 Target: 0

2008 Target: 200

2009 Target: 200

2010 Target: 200

2011 Target: 200

Outcome Text

Demonstrate how to feed animals with production and economy in mind

Outcome Type: Short

2007 Target: 100

2008 Target: 100

2009 Target: 115

2010 Target: 115

2011 Target: 115

Outcome Text

Demonstrate how to grow fruits and vegetables

Outcome Type: Short

2007 Target: 1160

2008 Target: 1160

2009 Target: 1160

2010 Target: 1160

2011 Target: 1160

Outcome Text

Demonstrate how to keep good records

Outcome Type: Short

2007 Target: 75

2008 Target: 75

2009 Target: 90

2010 Target: 100

2011 Target: 100

Outcome Text

Demonstrate how to make informed financial decisions

Outcome Type: Short

2007 Target: 80

2008 Target: 80

2009 Target: 80

2010 Target: 80

2011 Target: 80

Outcome Text

Demonstrate how to prevent bullying behavior

Outcome Type: Short

2007 Target: 50

2008 Target: 50

2009 Target: 50

2010 Target: 50

2011 Target: 50

Outcome Text

Demonstrate how to respect others

Outcome Type: Short

2007 Target: 80

2008 Target: 80

2009 Target: 80

2010 Target: 80

2011 Target: 80

Outcome Text

Demonstrate how to support development of whole people

Outcome Type: Short

2007 Target: 50

2008 Target: 50

2009 Target: 50

2010 Target: 50

2011 Target: 50

Outcome Text

Demonstrate how to use the "train-the-trainer" model

Outcome Type: Short

2007 Target: 30

2008 Target: 30

2009 Target: 30

2010 Target: 30

2011 Target: 30

Outcome Text

Demonstrate how to use the USDA dietary guidelines and Food Guide pyramid to plan menus or choose foods

Outcome Type: Short

2007 Target: 3390
2008 Target: 3890
2009 Target: 3890
2010 Target: 3890
2011 Target: 3890

Outcome Text

Demonstrate safe behavior and safety practices

Outcome Type: Short

2007 Target: 40
2008 Target: 40
2009 Target: 40
2010 Target: 40
2011 Target: 40

Outcome Text

Describe USDA approved food preservation methods

Outcome Type: Short

2007 Target: 65
2008 Target: 65
2009 Target: 65
2010 Target: 65
2011 Target: 65

Outcome Text

Describe age-appropriate safety practices

Outcome Type: Short

2007 Target: 2630
2008 Target: 2630
2009 Target: 2630
2010 Target: 2630
2011 Target: 2630

Outcome Text

Describe gender stereotypes and their effects

Outcome Type: Short

2007 Target: 70
2008 Target: 90
2009 Target: 100
2010 Target: 100
2011 Target: 100

Outcome Text

Describe healthy lifestyle choices

Outcome Type: Short

2007 Target: 665

2008 Target: 1165

2009 Target: 1165

2010 Target: 1165

2011 Target: 1165

Outcome Text

Describe how personal behaviors influence the risk of chronic disease

Outcome Type: Short

2007 Target: 180

2008 Target: 180

2009 Target: 180

2010 Target: 180

2011 Target: 180

Outcome Text

Describe how to integrate regular physical activity into daily lives

Outcome Type: Short

2007 Target: 75

2008 Target: 75

2009 Target: 75

2010 Target: 75

2011 Target: 75

Outcome Text

Describe proper food handling practices

Outcome Type: Short

2007 Target: 120

2008 Target: 120

2009 Target: 95

2010 Target: 95

2011 Target: 95

Outcome Text

Describe the benefits of physical activity

Outcome Type: Short

2007 Target: 2720

2008 Target: 2770

2009 Target: 2770

2010 Target: 2770

2011 Target: 2770

Outcome Text

Describe the impact of cultural and media messages

Outcome Type: Short

2007 Target: 20

2008 Target: 40

2009 Target: 50

2010 Target: 50

2011 Target: 50

Outcome Text

Describe the risks of not handling food safely

Outcome Type: Short

2007 Target: 95

2008 Target: 95

2009 Target: 70

2010 Target: 70

2011 Target: 70

Outcome Text

Describe the value of community involvement and civic participation

Outcome Type: Short

2007 Target: 50

2008 Target: 50

2009 Target: 50

2010 Target: 50

2011 Target: 50

Outcome Text

Describe the value of consuming locally-produced food

Outcome Type: Short

2007 Target: 400

2008 Target: 400

2009 Target: 400

2010 Target: 400

2011 Target: 400

Outcome Text

Describe ways to observe, explore, and experience nature

Outcome Type: Short

2007 Target: 300

2008 Target: 300

2009 Target: 300

2010 Target: 300

2011 Target: 300

Outcome Text

Adopt behaviors to prevent or minimize complications of chronic disease

Outcome Type: Medium

2007 Target: 120

2008 Target: 120

2009 Target: 120

2010 Target: 120

2011 Target: 120

Outcome Text

Adopt food safety practices

Outcome Type: Medium

2007 Target: 2685

2008 Target: 2685

2009 Target: 2685

2010 Target: 2685

2011 Target: 2685

Outcome Text

Adopt record-keeping system

Outcome Type: Medium

2007 Target: 150

2008 Target: 150

2009 Target: 200

2010 Target: 200

2011 Target: 200

Outcome Text

Adopt the USDA dietary guidelines and the food guide pyramid

Outcome Type: Medium

2007 Target: 765

2008 Target: 1265

2009 Target: 1265

2010 Target: 1265

2011 Target: 1265

Outcome Text

Assume personal responsibility for health

Outcome Type: Medium

2007 Target: 140

2008 Target: 140

2009 Target: 90

2010 Target: 90

2011 Target: 90

Outcome Text

Conduct community-based education that encourages healthy individual and family behaviors

Outcome Type: Medium

2007 Target: 130

2008 Target: 130

2009 Target: 130

2010 Target: 130

2011 Target: 130

Outcome Text

Confront disrespectful behaviors

Outcome Type: Medium

2007 Target: 50

2008 Target: 50

2009 Target: 50

2010 Target: 50

2011 Target: 50

Outcome Text

Create learning opportunities based on principles of positive human development

Outcome Type: Medium

2007 Target: 485

2008 Target: 485

2009 Target: 485

2010 Target: 485

2011 Target: 485

Outcome Text

Develop literacy and critical thinking skills

Outcome Type: Medium

2007 Target: 100

2008 Target: 200

2009 Target: 200

2010 Target: 200

2011 Target: 200

Outcome Text

Develop skills that promote healthy relationships

Outcome Type: Medium

2007 Target: 150

2008 Target: 150

2009 Target: 150

2010 Target: 150

2011 Target: 150

Outcome Text

Distribute nutrition education materials and promotional information about the Maine Family Nutrition Program

Outcome Type: Medium

2007 Target: 10000

2008 Target: 10000

2009 Target: 10000

2010 Target: 10000

2011 Target: 10000

Outcome Text

Express good feeling about self

Outcome Type: Medium

2007 Target: 20

2008 Target: 40

2009 Target: 50

2010 Target: 50

2011 Target: 50

Outcome Text

Handle animals safely

Outcome Type: Medium

2007 Target: 75

2008 Target: 90

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Integrate regular physical activity into daily life

Outcome Type: Medium

2007 Target: 2605

2008 Target: 2655

2009 Target: 2655

2010 Target: 2655

2011 Target: 2655

Outcome Text

Keep accurate records

Outcome Type: Medium

2007 Target: 145

2008 Target: 145

2009 Target: 145

2010 Target: 145

2011 Target: 145

Outcome Text

Make better decisions

Outcome Type: Medium

2007 Target: 300

2008 Target: 300

2009 Target: 300

2010 Target: 300

2011 Target: 300

Outcome Text

Make better decisions regarding health and health care

Outcome Type: Medium

2007 Target: 50

2008 Target: 50

2009 Target: 50

2010 Target: 50

2011 Target: 50

Outcome Text

Make better decisions regarding healthy lifestyle

Outcome Type: Medium

2007 Target: 2495

2008 Target: 2495

2009 Target: 2495

2010 Target: 2495

2011 Target: 2495

Outcome Text

Make better decisions regarding healthy lifestyle using improved literacy and critical thinking skills

Outcome Type: Medium

2007 Target: 50

2008 Target: 50

2009 Target: 50

2010 Target: 50

2011 Target: 50

Outcome Text

Manage family resources in alignment with goals

Outcome Type: Medium

2007 Target: 2460

2008 Target: 2460

2009 Target: 2460

2010 Target: 2460

2011 Target: 2460

Outcome Text

Model positive group behavior to others

Outcome Type: Medium

2007 Target: 100

2008 Target: 100

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Practice safety

Outcome Type: Medium

2007 Target: 90

2008 Target: 90

2009 Target: 90

2010 Target: 90

2011 Target: 90

Outcome Text

Provide learning opportunities for groups or organizations

Outcome Type: Medium

2007 Target: 50

2008 Target: 50

2009 Target: 50

2010 Target: 50

2011 Target: 50

Outcome Text

Provide training and technical assistance in analyzing and assessing community health issues and policies

Outcome Type: Medium

2007 Target: 20

2008 Target: 20

2009 Target: 20

2010 Target: 20

2011 Target: 20

Outcome Text

Reduce or eliminate gender stereotyping

Outcome Type: Medium

2007 Target: 50

2008 Target: 50

2009 Target: 50

2010 Target: 50

2011 Target: 50

Outcome Text

Teach others to take leadership and facilitation roles

Outcome Type: Medium

2007 Target: 13

2008 Target: 13

2009 Target: 13

2010 Target: 13

2011 Target: 13

Outcome Text

Treat all people with dignity and respect

Outcome Type: Medium

2007 Target: 50

2008 Target: 50

2009 Target: 50

2010 Target: 50

2011 Target: 50

Outcome Text

Use relevant UMCE web-based resources

Outcome Type: Medium

2007 Target: 570

2008 Target: 570

2009 Target: 570

2010 Target: 570

2011 Target: 570

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

20. External factors which may affect outcomes

- Economy
- Appropriations changes
- Public Policy changes
- Competing Public priorities
- Competing Programatic Challenges
- Populations changes (immigration,new cultural groupings,etc.)

Description

21. Evaluation studies planned

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

Description

Intentions for short-term evaluation: To 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.

22. Data Collection Methods

- Mail
- Telephone
- On-Site
- Structured
- Case Study
- Other

Description

{NO DATA ENTERED}

1. Name of the Planned Program

Administrative Plan of Work; Planning and Supervision

2. Program knowledge areas

- 902 Administration of Projects and Programs 100 %

3. Program existence

- Mature (More than five years)

4. Program duration

- Long-Term (More than five years)

5. Brief summary about Planned Program

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

6. Situation and priorities

{NO DATA ENTERED}

7. Assumptions made for the Program

{NO DATA ENTERED}

8. 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.

9. Scope of Program

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

Inputs for the Program

10. Expending formula funds or state-matching funds

- Yes

11. Expending other than formula funds or state-matching funds

- No

12. Expending amount of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2007	11.7	0.0	0.5	0.0
2008	11.0	0.0	0.5	0.0
2009	11.0	0.0	0.5	0.0
2010	10.5	0.0	0.4	0.0
2011	10.5	0.0	0.4	0.0

Outputs for the Program

13. Activity (What will be done?)

{NO DATA ENTERED}

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

Extension	
Direct Method	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)

15. Description of targeted audience

Extension - all staff (Adult)

Extension Faculty (Adult)

Extension Professionals (Adult)

16. 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
2007	150	0	0	0
2008	150	0	0	0
2009	150	0	0	0
2010	150	0	0	0
2011	150	0	0	0

17. (Standard Research Target) Number of Patents

Expected Patents	
Year	Target
2007	0
2008	0
2009	0
2010	0
2011	0

18. Output measures

Output Text

{NO DATA ENTERED}

- Target: {NO DATA ENTERED}
- Target: {NO DATA ENTERED}
- Target: {NO DATA ENTERED}
- Target: {NO DATA ENTERED}
- Target: {NO DATA ENTERED}

Outcomes for the Program

19. Outcome measures

Outcome Text: Awareness created

Outcome Text

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

Outcome Type: Long

- 2007 Target: 0
- 2008 Target: 0
- 2009 Target: 0
- 2010 Target: 0
- 2011 Target: 0

Outcome Text

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

Outcome Type: Long

- 2007 Target: 0
- 2008 Target: 0
- 2009 Target: 0
- 2010 Target: 0
- 2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0
2008 Target: 0
2009 Target: 0
2010 Target: 0
2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0
2008 Target: 0
2009 Target: 0
2010 Target: 0
2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0
2008 Target: 0
2009 Target: 0
2010 Target: 0
2011 Target: 0

20. External factors which may affect outcomes

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

Description

{NO DATA ENTERED}

21. Evaluation studies planned

- During (during program)
- Other

Description

{NO DATA ENTERED}

22. Data Collection Methods

- Structured
- Observation
- Other

Description
{NO DATA ENTERED}

1. Name of the Planned Program

Home Horticulture

2. Program knowledge areas

- 213 Weeds Affecting Plants 5 %
- 111 Conservation and Efficient Use of Water 10 %
- 102 Soil, Plant, Water, Nutrient Relationships 20 %
- 203 Plant Biological Efficiency and Abiotic Stresses Affecting Plants 15 %
- 403 Waste Disposal, Recycling, and Reuse 5 %
- 133 Pollution Prevention and Mitigation 5 %
- 132 Weather and Climate 5 %
- 206 Basic Plant Biology 30 %
- 112 Watershed Protection and Management 5 %

3. Program existence

- Mature (More than five years)

4. Program duration

- Long-Term (More than five years)

5. 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.

6. 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).

7. 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.[ii]
- 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).

8. 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.

9. Scope of Program

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

Inputs for the Program

10. Expending formula funds or state-matching funds

- Yes

11. Expending other than formula funds or state-matching funds

- Yes

12. Expending amount of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2007	7.3	0.0	0.1	0.0
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

Outputs for the Program

13. Activity (What will be done?)

Central Maine Garden Celebration

Client Calls/ Walk-Ins

Community Programs on Home Horticulture Topics

Consumer Horticulture Programming

Delivery of Programming in Home Gardening, Composting, and Pest Management

Demonstration Plantings

Field Day

Garden Angel Program

Garden Club Presentations

Garden Publications

Garden to Garden

Gardening Web Site

Growing Tree Fruits in Maine

Hazardous Waste Collection

Hobby Orchard Consultations

Hobby Orchard Presentations

Individual Consultations
Kids Can Grow
Maine Garden Day
Maine Master Gardener Volunteer Program
Maine State Prison Vocational Horticulture Program
Master Gardener Newsletter
Master Gardener Small Fruit Classes
Master Gardener Volunteer Continuation Committee
Native Woody Plants for Maine Landscapes
Piscataquis Gardening Newsletter
Problem Diagnosis
Response to Requests
Small Fruit and Vegetable Fact Sheets
Solar Collection in Hoop Houses
Vegetable Fact Sheets

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

Extension	
Direct Method	Indirect Methods
<ul style="list-style-type: none">● Education Class● Workshop● One-on-One Intervention● Demonstrations● Other 1 (Collaborative or Cooperative Eff)● Other 2 (Conference or Symposium)	<ul style="list-style-type: none">● Newsletters● Web sites● Other 1 (Publication - Fact Sheet)

15. 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)

16. 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
2007	4385	3800	95	0
2008	4247	3800	95	0
2009	3977	3800	115	0
2010	3787	3800	115	0
2011	3407	3800	85	0

17. (Standard Research Target) Number of Patents

Expected Patents	
Year	Target
2007	0
2008	0
2009	0
2010	0
2011	0

18. Output measures**Output Text**

Direct - 4-H Club - Community

2007 Target: 1
2008 Target: 1
2009 Target: 1
2010 Target: 1
2011 Target: 0

Output Text

Direct - Collaborative or Cooperative Effort

2007 Target: 1
2008 Target: 1
2009 Target: 1
2010 Target: 1
2011 Target: 1

Output Text

Direct - Conference or symposium

2007 Target: 2
2008 Target: 2
2009 Target: 2
2010 Target: 1
2011 Target: 1

Output Text

Direct - Consultation

2007	Target:	660
2008	Target:	660
2009	Target:	660
2010	Target:	660
2011	Target:	660

Output Text

Direct - Course

2007	Target:	4
2008	Target:	4
2009	Target:	4
2010	Target:	4
2011	Target:	3

Output Text

Direct - Demonstration Project

2007	Target:	5
2008	Target:	5
2009	Target:	4
2010	Target:	4
2011	Target:	4

Output Text

Direct - Experiential Learning

2007	Target:	2
2008	Target:	2
2009	Target:	2
2010	Target:	1
2011	Target:	1

Output Text

Direct - Public Presentation

2007	Target:	30
2008	Target:	30
2009	Target:	30
2010	Target:	30
2011	Target:	30

Output Text

Direct - Volunteer Training

2007	Target:	15
2008	Target:	30
2009	Target:	15
2010	Target:	30
2011	Target:	15

Output Text

Direct - Workshop - series

2007	Target:	30
2008	Target:	30
2009	Target:	15
2010	Target:	15
2011	Target:	15

Output Text

Direct - Workshop - single session

2007	Target:	4
2008	Target:	4
2009	Target:	4
2010	Target:	4
2011	Target:	4

Output Text

Direct - Written or e-mail response to client request

2007	Target:	410
2008	Target:	410
2009	Target:	410
2010	Target:	410
2011	Target:	410

Output Text

Indirect - Publication - booklet

2007	Target:	2
2008	Target:	2
2009	Target:	2
2010	Target:	2
2011	Target:	2

Output Text

Indirect - Publication - fact sheet

2007	Target:	6
2008	Target:	3
2009	Target:	4
2010	Target:	3
2011	Target:	4

Output Text

Indirect - Publication - newsletter

2007	Target:	13
2008	Target:	13
2009	Target:	13
2010	Target:	13
2011	Target:	13

Output Text

Indirect - Website

2007	Target:	1
2008	Target:	1
2009	Target:	1
2010	Target:	1
2011	Target:	1

Outcomes for the Program

19. Outcome measures

Outcome Text: Awareness created

Outcome Text

Access relevant UMCE publications

Outcome Type: Short

2007	Target:	170
2008	Target:	120
2009	Target:	170
2010	Target:	125
2011	Target:	175

Outcome Text

Complete the Master Gardener Training

Outcome Type: Short

2007	Target:	263
2008	Target:	265
2009	Target:	265
2010	Target:	265
2011	Target:	210

Outcome Text

Demonstrate IPM techniques

Outcome Type: Short

2007 Target: 60
2008 Target: 65
2009 Target: 70
2010 Target: 70
2011 Target: 40

Outcome Text

Demonstrate how to access locally-grown foods

Outcome Type: Short

2007 Target: 40
2008 Target: 40
2009 Target: 40
2010 Target: 40
2011 Target: 40

Outcome Text

Demonstrate how to amend soils

Outcome Type: Short

2007 Target: 273
2008 Target: 275
2009 Target: 275
2010 Target: 275
2011 Target: 225

Outcome Text

Demonstrate how to apply pesticides safely and effectively

Outcome Type: Short

2007 Target: 145
2008 Target: 145
2009 Target: 145
2010 Target: 145
2011 Target: 127

Outcome Text

Demonstrate how to be positively engaged in their community

Outcome Type: Short

2007 Target: 50
2008 Target: 50
2009 Target: 50
2010 Target: 50
2011 Target: 0

Outcome Text

Demonstrate how to compost

Outcome Type: Short

2007 Target: 70

2008 Target: 70

2009 Target: 70

2010 Target: 70

2011 Target: 70

Outcome Text

Demonstrate how to create effective partnerships in communities

Outcome Type: Short

2007 Target: 10

2008 Target: 10

2009 Target: 10

2010 Target: 10

2011 Target: 0

Outcome Text

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

Outcome Type: Short

2007 Target: 90

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

Demonstrate how to diagnose pest problems

Outcome Type: Short

2007 Target: 200

2008 Target: 200

2009 Target: 200

2010 Target: 200

2011 Target: 200

Outcome Text

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

Outcome Type: Short

2007 Target: 40

2008 Target: 40

2009 Target: 40

2010 Target: 40

2011 Target: 40

Outcome Text

Demonstrate how to grow fruits and vegetables

Outcome Type: Short

2007 Target: 210
2008 Target: 210
2009 Target: 210
2010 Target: 210
2011 Target: 210

Outcome Text

Demonstrate how to identify invasive species

Outcome Type: Short

2007 Target: 30
2008 Target: 30
2009 Target: 30
2010 Target: 30
2011 Target: 30

Outcome Text

Demonstrate how to identify native flora and fauna

Outcome Type: Short

2007 Target: 30
2008 Target: 30
2009 Target: 30
2010 Target: 30
2011 Target: 30

Outcome Text

Demonstrate how to identify non-native invasive species

Outcome Type: Short

2007 Target: 50
2008 Target: 30
2009 Target: 50
2010 Target: 30
2011 Target: 50

Outcome Text

Demonstrate how to incorporate native plants and native plant communities into constructed landscapes

Outcome Type: Short

2007 Target: 115
2008 Target: 115
2009 Target: 115
2010 Target: 115
2011 Target: 115

Outcome Text

Demonstrate how to take a soil test

Outcome Type: Short

2007 Target: 253
2008 Target: 255
2009 Target: 255
2010 Target: 255
2011 Target: 215

Outcome Text

Demonstrate how to use technology

Outcome Type: Short

2007 Target: 30
2008 Target: 30
2009 Target: 30
2010 Target: 30
2011 Target: 30

Outcome Text

Demonstrate management strategies for invasive species management

Outcome Type: Short

2007 Target: 50
2008 Target: 50
2009 Target: 50
2010 Target: 50
2011 Target: 50

Outcome Text

Demonstrate sustainable gardening practices

Outcome Type: Short

2007 Target: 235
2008 Target: 235
2009 Target: 235
2010 Target: 235
2011 Target: 235

Outcome Text

Describe IPM techniques

Outcome Type: Short

2007 Target: 78
2008 Target: 80
2009 Target: 80
2010 Target: 85
2011 Target: 25

Outcome Text

Describe IPM technologies and benefits

Outcome Type: Short

2007 Target: 70

2008 Target: 70

2009 Target: 70

2010 Target: 75

2011 Target: 65

Outcome Text

Describe alternative pest manage techniques

Outcome Type: Short

2007 Target: 680

2008 Target: 415

2009 Target: 420

2010 Target: 420

2011 Target: 420

Outcome Text

Describe an improved quality of life

Outcome Type: Short

2007 Target: 80

2008 Target: 80

2009 Target: 80

2010 Target: 80

2011 Target: 80

Outcome Text

Describe ecological principles

Outcome Type: Short

2007 Target: 80

2008 Target: 80

2009 Target: 80

2010 Target: 80

2011 Target: 80

Outcome Text

Describe hoop house crop management

Outcome Type: Short

2007 Target: 55

2008 Target: 55

2009 Target: 60

2010 Target: 60

2011 Target: 60

Outcome Text

Describe hoop house technology

Outcome Type: Short

2007 Target: 70

2008 Target: 75

2009 Target: 75

2010 Target: 75

2011 Target: 75

Outcome Text

Describe new crops and varieties

Outcome Type: Short

2007 Target: 330

2008 Target: 280

2009 Target: 330

2010 Target: 280

2011 Target: 330

Outcome Text

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

Outcome Type: Short

2007 Target: 170

2008 Target: 175

2009 Target: 175

2010 Target: 175

2011 Target: 175

Outcome Text

Describe threats to water quality from land use practices

Outcome Type: Short

2007 Target: 15

2008 Target: 15

2009 Target: 15

2010 Target: 15

2011 Target: 15

Outcome Text

Use UM Diagnostic Services

Outcome Type: Short

2007 Target: 160

2008 Target: 160

2009 Target: 160

2010 Target: 160

2011 Target: 100

Outcome Text

Adopt appropriate management strategies

Outcome Type: Medium

2007 Target: 350

2008 Target: 550

2009 Target: 350

2010 Target: 550

2011 Target: 350

Outcome Text

Adopt appropriate pest management practices

Outcome Type: Medium

2007 Target: 92

2008 Target: 92

2009 Target: 103

2010 Target: 92

2011 Target: 92

Outcome Text

Adopt appropriate technologies

Outcome Type: Medium

2007 Target: 180

2008 Target: 380

2009 Target: 185

2010 Target: 385

2011 Target: 185

Outcome Text

Adopt environmentally sound practices

Outcome Type: Medium

2007 Target: 50

2008 Target: 50

2009 Target: 50

2010 Target: 50

2011 Target: 50

Outcome Text

Adopt environmentally sound technologies that improve economic viability

Outcome Type: Medium

2007 Target: 150

2008 Target: 150

2009 Target: 150

2010 Target: 150

2011 Target: 150

Outcome Text

Adopt practices that maintain profitability

Outcome Type: Medium

2007 Target: 80

2008 Target: 80

2009 Target: 80

2010 Target: 80

2011 Target: 80

Outcome Text

Be a mentor to other community organizations or groups

Outcome Type: Medium

2007 Target: 30

2008 Target: 30

2009 Target: 30

2010 Target: 30

2011 Target: 0

Outcome Text

Complete volunteer commitment

Outcome Type: Medium

2007 Target: 85

2008 Target: 65

2009 Target: 85

2010 Target: 65

2011 Target: 60

Outcome Text

Compost

Outcome Type: Medium

2007 Target: 125

2008 Target: 125

2009 Target: 125

2010 Target: 125

2011 Target: 100

Outcome Text

Conduct community service or outreach

Outcome Type: Medium

2007 Target: 110

2008 Target: 110

2009 Target: 110

2010 Target: 110

2011 Target: 110

Outcome Text

Expand IPM

Outcome Type: Medium

2007 Target: 35
2008 Target: 30
2009 Target: 30
2010 Target: 30
2011 Target: 30

Outcome Text

Grow new crop

Outcome Type: Medium

2007 Target: 45
2008 Target: 45
2009 Target: 45
2010 Target: 45
2011 Target: 45

Outcome Text

Grow new variety

Outcome Type: Medium

2007 Target: 110
2008 Target: 110
2009 Target: 110
2010 Target: 100
2011 Target: 100

Outcome Text

Identify and respond to pest issues

Outcome Type: Medium

2007 Target: 210
2008 Target: 210
2009 Target: 210
2010 Target: 210
2011 Target: 210

Outcome Text

Identify and respond to plant and animal disorders

Outcome Type: Medium

2007 Target: 70
2008 Target: 70
2009 Target: 70
2010 Target: 70
2011 Target: 70

Outcome Text

Improve IPM

Outcome Type: Medium

2007 Target: 110

2008 Target: 60

2009 Target: 110

2010 Target: 60

2011 Target: 110

Outcome Text

Improve production and quality of crops

Outcome Type: Medium

2007 Target: 305

2008 Target: 305

2009 Target: 310

2010 Target: 315

2011 Target: 325

Outcome Text

Improve soil health

Outcome Type: Medium

2007 Target: 45

2008 Target: 45

2009 Target: 45

2010 Target: 45

2011 Target: 45

Outcome Text

Increase consumption of locally-grown food

Outcome Type: Medium

2007 Target: 332

2008 Target: 332

2009 Target: 332

2010 Target: 332

2011 Target: 332

Outcome Text

Increase crop production

Outcome Type: Medium

2007 Target: 60

2008 Target: 60

2009 Target: 60

2010 Target: 60

2011 Target: 60

Outcome Text

Make appropriate cultivar choices

Outcome Type: Medium

2007 Target: 310

2008 Target: 310

2009 Target: 310

2010 Target: 310

2011 Target: 310

Outcome Text

Make better decisions regarding pest management

Outcome Type: Medium

2007 Target: 205

2008 Target: 205

2009 Target: 205

2010 Target: 205

2011 Target: 180

Outcome Text

Plant and harvest gardens

Outcome Type: Medium

2007 Target: 490

2008 Target: 490

2009 Target: 490

2010 Target: 490

2011 Target: 465

Outcome Text

Pounds of food donated

Outcome Type: Medium

2007 Target: 220000

2008 Target: 220000

2009 Target: 220000

2010 Target: 220000

2011 Target: 220000

Outcome Text

Reduce the use of high-risk pesticides

Outcome Type: Medium

2007 Target: 10

2008 Target: 10

2009 Target: 10

2010 Target: 10

2011 Target: 10

Outcome Text

Reduce waste stream

Outcome Type: Medium

2007 Target: 50

2008 Target: 50

2009 Target: 50

2010 Target: 50

2011 Target: 50

Outcome Text

Test new crops

Outcome Type: Medium

2007 Target: 45

2008 Target: 45

2009 Target: 45

2010 Target: 45

2011 Target: 45

Outcome Text

Test new production techniques

Outcome Type: Medium

2007 Target: 110

2008 Target: 115

2009 Target: 115

2010 Target: 125

2011 Target: 125

Outcome Text

Test new varieties

Outcome Type: Medium

2007 Target: 40

2008 Target: 40

2009 Target: 40

2010 Target: 40

2011 Target: 40

Outcome Text

Use non-chemical pest management practices

Outcome Type: Medium

2007 Target: 25

2008 Target: 25

2009 Target: 25

2010 Target: 25

2011 Target: 25

Outcome Text

Use pesticides safely

Outcome Type: Medium

2007 Target: 60
2008 Target: 60
2009 Target: 60
2010 Target: 60
2011 Target: 51

Outcome Text

Use relevant UMCE web-based resources

Outcome Type: Medium

2007 Target: 1160
2008 Target: 260
2009 Target: 260
2010 Target: 260
2011 Target: 260

Outcome Text

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture

Outcome Type: Long

2007 Target: 0
2008 Target: 0
2009 Target: 0
2010 Target: 0
2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0
2008 Target: 0
2009 Target: 0
2010 Target: 0
2011 Target: 0

Outcome Text

Increase the economic and social viability and sustainability of Maine communities

Outcome Type: Long

2007 Target: 0
2008 Target: 0
2009 Target: 0
2010 Target: 0
2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

20. External factors which may affect outcomes

- Economy
- Appropriations changes
- Competing Public priorities
- Competing Programatic Challenges

Description

{NO DATA ENTERED}

21. 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.

22. Data Collection Methods

- Mail
- Telephone
- On-Site
- Structured
- Other

Description

{NO DATA ENTERED}

1. Name of the Planned Program

Maine Livestock Industry

2. Program knowledge areas

- 301 Reproductive Performance of Animals 5 %
- 315 Animal Welfare/Well-Being and Protection 5 %
- 311 Animal Diseases 15 %
- 601 Economics of Agricultural Production and Farm Management 10 %
- 302 Nutrient Utilization in Animals 10 %
- 307 Animal Management Systems 15 %
- 401 Structures, Facilities, and General Purpose Farm Supplies 5 %
- 308 Improved Animal Products (Before Harvest) 10 %
- 602 Business Management, Finance, and Taxation 10 %
- 102 Soil, Plant, Water, Nutrient Relationships 15 %

3. Program existence

- Mature (More than five years)

4. Program duration

- Long-Term (More than five years)

5. 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.

6. 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.

7. 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.

8. 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.

9. Scope of Program

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

Inputs for the Program

10. Expending formula funds or state-matching funds

- Yes

11. Expending other than formula funds or state-matching funds

- Yes

12. Expending amount of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2007	2.9	0.0	0.5	0.0
2008	3.0	0.0	0.4	0.0
2009	3.0	0.0	0.2	0.0
2010	3.0	0.0	0.0	0.0
2011	3.0	0.0	0.0	0.0

Outputs for the Program

13. Activity (What will be done?)

Answering Livestock Questions
 Cornell Dairy Farm Business Summary Participation
 Dairy Email Newsletters
 Extension Livestock Website
 Farm Financial Recordkeeping Schools
 Farmer Meetings
 Grass Farmers Network / North East Pasture Consortium
 Group Meetings
 Individual Consultations About Livestock Care
 Meetings for Livestock Producers
 Nutrient Management

Piscataquis Farming Newsletter
 Animal Nutrition
 Regional Organic Dairy Project

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

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

15. 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)

16. 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
2007	917	840	10	0
2008	949	840	10	0
2009	922	840	10	0
2010	924	840	10	0
2011	877	840	10	0

17. (Standard Research Target) Number of Patents

Expected Patents	
Year	Target
2007	0
2008	0
2009	0
2010	0
2011	0

18. Output measures

Output Text

Direct - Applied Research

2007	Target:	3
2008	Target:	3
2009	Target:	3
2010	Target:	3
2011	Target:	3

Output Text

Direct - Collaborative or Cooperative Effort

2007	Target:	60
2008	Target:	60
2009	Target:	60
2010	Target:	60
2011	Target:	60

Output Text

Direct - Consultation

2007	Target:	180
2008	Target:	180
2009	Target:	180
2010	Target:	180
2011	Target:	180

Output Text

Direct - Forum

2007	Target:	5
2008	Target:	5
2009	Target:	5
2010	Target:	5
2011	Target:	5

Output Text

Direct - Pasture Walk

2007	Target:	2
2008	Target:	2
2009	Target:	2
2010	Target:	2
2011	Target:	2

Output Text

Direct - Seminar

2007	Target:	6
2008	Target:	6
2009	Target:	6
2010	Target:	6
2011	Target:	6

Output Text

Direct - Workshop - series

2007	Target:	9
2008	Target:	9
2009	Target:	9
2010	Target:	9
2011	Target:	9

Output Text

Indirect - Publication - newsletter

2007	Target:	18
2008	Target:	18
2009	Target:	18
2010	Target:	18
2011	Target:	18

Output Text

Direct - Written or e-mail Response to Client Request

2007	Target:	80
2008	Target:	80
2009	Target:	80
2010	Target:	80
2011	Target:	80

Output Text

Direct - Workshop - single session

2007	Target:	4
2008	Target:	4
2009	Target:	4
2010	Target:	4
2011	Target:	4

Output Text

Indirect - Website

2007	Target:	1
2008	Target:	1
2009	Target:	1
2010	Target:	1
2011	Target:	1

Outcomes for the Program

19. Outcome measures

Outcome Text: Awareness created

Outcome Text

Acquire quality assurance certification

Outcome Type: Short

2007 Target: 100
2008 Target: 100
2009 Target: 100
2010 Target: 100
2011 Target: 100

Outcome Text

Demonstrate animal management skills

Outcome Type: Short

2007 Target: 295
2008 Target: 295
2009 Target: 295
2010 Target: 295
2011 Target: 295

Outcome Text

Demonstrate basic business management skills

Outcome Type: Short

2007 Target: 40
2008 Target: 40
2009 Target: 40
2010 Target: 40
2011 Target: 40

Outcome Text

Demonstrate how to analyze records for decision making

Outcome Type: Short

2007 Target: 25
2008 Target: 25
2009 Target: 25
2010 Target: 25
2011 Target: 25

Outcome Text

Demonstrate how to develop certified nutrient management plans

Outcome Type: Short

2007 Target: 10

2008 Target: 10

2009 Target: 10

2010 Target: 10

2011 Target: 10

Outcome Text

Demonstrate how to develop integrated farming systems

Outcome Type: Short

2007 Target: 65

2008 Target: 65

2009 Target: 65

2010 Target: 70

2011 Target: 70

Outcome Text

Demonstrate how to effectively manage grasslands

Outcome Type: Short

2007 Target: 115

2008 Target: 115

2009 Target: 115

2010 Target: 115

2011 Target: 115

Outcome Text

Demonstrate how to feed animals with production and economy in mind

Outcome Type: Short

2007 Target: 450

2008 Target: 460

2009 Target: 460

2010 Target: 470

2011 Target: 470

Outcome Text

Demonstrate how to maximize return on farm enterprise

Outcome Type: Short

2007 Target: 100

2008 Target: 100

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Demonstrate production recordkeeping

Outcome Type: Short

2007 Target: 245

2008 Target: 248

2009 Target: 250

2010 Target: 252

2011 Target: 252

Outcome Text

Demonstrate sound agricultural practices

Outcome Type: Short

2007 Target: 230

2008 Target: 230

2009 Target: 230

2010 Target: 230

2011 Target: 230

Outcome Text

Describe animal health programs

Outcome Type: Short

2007 Target: 70

2008 Target: 70

2009 Target: 70

2010 Target: 70

2011 Target: 70

Outcome Text

Describe financial management

Outcome Type: Short

2007 Target: 110

2008 Target: 110

2009 Target: 110

2010 Target: 110

2011 Target: 110

Outcome Text

Describe forages and forage quality

Outcome Type: Short

2007 Target: 130

2008 Target: 130

2009 Target: 130

2010 Target: 130

2011 Target: 130

Outcome Text

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

Outcome Type: Short

2007 Target: 145

2008 Target: 155

2009 Target: 155

2010 Target: 155

2011 Target: 155

Outcome Text

Describe record keeping and record keeping systems

Outcome Type: Short

2007 Target: 30

2008 Target: 30

2009 Target: 30

2010 Target: 30

2011 Target: 30

Outcome Text

Describe sound animal production practices

Outcome Type: Short

2007 Target: 280

2008 Target: 280

2009 Target: 280

2010 Target: 280

2011 Target: 280

Outcome Text

Describe the benefits of grass-fed livestock

Outcome Type: Short

2007 Target: 65

2008 Target: 65

2009 Target: 65

2010 Target: 65

2011 Target: 65

Outcome Text

Describe the value of organic nutrient sources to sustainable cropping systems

Outcome Type: Short

2007 Target: 40

2008 Target: 40

2009 Target: 40

2010 Target: 40

2011 Target: 40

Outcome Text

Adopt appropriate management strategies

Outcome Type: Medium

2007 Target: 70

2008 Target: 70

2009 Target: 70

2010 Target: 70

2011 Target: 70

Outcome Text

Adopt appropriate nutrient management strategies

Outcome Type: Medium

2007 Target: 30

2008 Target: 30

2009 Target: 30

2010 Target: 30

2011 Target: 30

Outcome Text

Adopt appropriate technologies

Outcome Type: Medium

2007 Target: 60

2008 Target: 60

2009 Target: 60

2010 Target: 60

2011 Target: 60

Outcome Text

Adopt practices that maintain long-term productivity

Outcome Type: Medium

2007 Target: 65

2008 Target: 70

2009 Target: 70

2010 Target: 70

2011 Target: 70

Outcome Text

Adopt practices that maintain profitability

Outcome Type: Medium

2007 Target: 100

2008 Target: 100

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Develop a business plan

Outcome Type: Medium

2007 Target: 20

2008 Target: 20

2009 Target: 20

2010 Target: 20

2011 Target: 20

Outcome Text

Improve animal well-being

Outcome Type: Medium

2007 Target: 100

2008 Target: 100

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Keep accurate records

Outcome Type: Medium

2007 Target: 10

2008 Target: 10

2009 Target: 10

2010 Target: 10

2011 Target: 10

Outcome Text

Maintain nutrient management certification

Outcome Type: Medium

2007 Target: 60

2008 Target: 60

2009 Target: 60

2010 Target: 60

2011 Target: 60

Outcome Text

Make better decisions using available diagnostics

Outcome Type: Medium

2007 Target: 100

2008 Target: 100

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Participate in Maine cattle health assurance program

Outcome Type: Medium

2007 Target: 50

2008 Target: 50

2009 Target: 50

2010 Target: 50

2011 Target: 50

Outcome Text

Participate in farm animal identification program

Outcome Type: Medium

2007 Target: 500

2008 Target: 500

2009 Target: 500

2010 Target: 500

2011 Target: 500

Outcome Text

Participate in livestock disease monitoring programs

Outcome Type: Medium

2007 Target: 30

2008 Target: 30

2009 Target: 30

2010 Target: 30

2011 Target: 30

Outcome Text

Participate in livestock quality assurance program

Outcome Type: Medium

2007 Target: 100

2008 Target: 100

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Participate in relevant animal associations

Outcome Type: Medium

2007 Target: 75

2008 Target: 75

2009 Target: 75

2010 Target: 75

2011 Target: 75

Outcome Text

Participate in the Maine grass farmer network

Outcome Type: Medium

2007 Target: 160

2008 Target: 180

2009 Target: 200

2010 Target: 200

2011 Target: 200

Outcome Text

Use grasslands efficiently for feed and water quality protection

Outcome Type: Medium

2007 Target: 120

2008 Target: 130

2009 Target: 130

2010 Target: 130

2011 Target: 130

Outcome Text

Use grasslands profitably

Outcome Type: Medium

2007 Target: 90

2008 Target: 90

2009 Target: 90

2010 Target: 90

2011 Target: 90

Outcome Text

Use relevant UMCE web-based resources

Outcome Type: Medium

2007 Target: 300

2008 Target: 300

2009 Target: 300

2010 Target: 300

2011 Target: 300

Outcome Text

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

20. External factors which may affect outcomes

- Economy
- Appropriations changes
- Public Policy changes
- Government Regulations
- Competing Programatic Challenges
- Populations changes (immigration,new cultural groupings,etc.)

Description

{NO DATA ENTERED}

21. Evaluation studies planned

- Before-After (before and after program)
- During (during program)
- Case Study
- Comparison between locales where the program operates and sites without program intervention

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.

22. Data Collection Methods

- Mail
- On-Site
- Structured
- Case Study
- Other

Description

{NO DATA ENTERED}

1. Name of the Planned Program**Pest Management****2. Program knowledge areas**

- 212 Pathogens and Nematodes Affecting Plants 18 %
- 215 Biological Control of Pests Affecting Plants 3 %
- 213 Weeds Affecting Plants 2 %
- 721 Insects and Other Pests Affecting Humans 5 %
- 211 Insects, Mites, and Other Arthropods Affecting Plants 25 %
- 216 Integrated Pest Management Systems 47 %

3. Program existence

- Mature (More than five years)

4. Program duration

- Long-Term (More than five years)

5. 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.

6. 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.

7. 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.

8. 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.

9. Scope of Program

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

Inputs for the Program

10. Expending formula funds or state-matching funds

- Yes

11. Expending other than formula funds or state-matching funds

- Yes

12. Expending amount of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2007	10.1	0.0	1.4	0.0
2008	10.1	0.0	1.2	0.0
2009	10.1	0.0	1.2	0.0
2010	10.1	0.0	1.1	0.0
2011	10.1	0.0	1.1	0.0

Outputs for the Program

13. Activity (What will be done?)

Apple IPM Website

Apple Pest Report Newsletter

Blueberry Hill Farm annual Field Day

Blueberry Insect Identification

Bugmania

Pesticide Applicator Training and Manuals Co-Arrange Pesticide Applicator Training Sessions

Co-Develop and Tend an Educational Entomological Display at Public Events

Cranberry IPM Consultations

Cranberry IPM at Maine Ag Trades Show

Cranberry IPM Fact Sheet

Cranberry IPM Guide

Cranberry IPM On-Site Workshop

Cranberry IPM Web Workshop

Diagnose Plant Disease

Grower Site Visits

Integrated Pest Management Youth Presentations

IR4 (Interregional Research Project No.4) Residue/Efficacy Insecticide Trials
Maine State Agricultural Trade Show Seminar
Orchard Visits
IPM Phone and e-mail responses
Potato Integrated Pest Management
Public Presentations
Respond to Client Request
Respond to Requests for Insect Identification and Management Assistance
Respond to Requests From Public School Educators
Respond to Requests From Extension Educators to Teach Master Gardener Classes
School Presentations (Cranberries & Blueberries)
Seminars and Training
Soil & Water Conservation District Ag Conservation Fairs
Spring Wild Blueberry Meeting
Strawberry IPM Newsletter
Strawberry Pest Management Program
Sweet Corn IPM Newsletter
Sweet Corn Pest Management Program
University Of Maine Blueberry Hill Farm Field Day
Website
Wild Blueberry Fact Sheet
Wild Blueberry Farmer Site Visits
Wild Blueberry Field Sessions
Wild Blueberry Field Training
Wild Blueberry Insect Pest Fact Sheets
Wild Blueberry IPM at Agricultural Trade Show
Wild Blueberry Newsletter
Wild Blueberry Website

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

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

15. 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)

16. 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
2007	7275	22265	5960	0
2008	7279	22265	5960	0
2009	7296	22268	5930	0
2010	7300	22269	5930	0
2011	7304	22472	5960	0

17. (Standard Research Target) Number of Patents

Expected Patents	
Year	Target
2007	0
2008	0
2009	0
2010	0
2011	0

18. Output measures**Output Text**

Direct - AV Resource

2007 Target: 4
 2008 Target: 4
 2009 Target: 4
 2010 Target: 4
 2011 Target: 4

Output Text

Direct - Clinic

2007 Target: 1800
 2008 Target: 1800
 2009 Target: 1800
 2010 Target: 1800
 2011 Target: 1800

Output Text

Direct - Collaborative or Cooperative Effort

2007	Target:	510
2008	Target:	510
2009	Target:	510
2010	Target:	510
2011	Target:	510

Output Text

Direct - Conference or symposium

2007	Target:	4
2008	Target:	4
2009	Target:	4
2010	Target:	4
2011	Target:	4

Output Text

Direct - Consultation

2007	Target:	675
2008	Target:	675
2009	Target:	675
2010	Target:	675
2011	Target:	675

Output Text

Direct - Course

2007	Target:	290
2008	Target:	290
2009	Target:	295
2010	Target:	300
2011	Target:	310

Output Text

Direct - Demonstration Project

2007	Target:	125
2008	Target:	125
2009	Target:	125
2010	Target:	125
2011	Target:	125

Output Text

Direct - Display or exhibit

2007	Target:	15
2008	Target:	15
2009	Target:	15
2010	Target:	15
2011	Target:	15

Output Text

Direct - Group Presentation

2007	Target:	6
2008	Target:	6
2009	Target:	5
2010	Target:	5
2011	Target:	6

Output Text

Direct - Public Presentation

2007	Target:	3
2008	Target:	3
2009	Target:	3
2010	Target:	3
2011	Target:	3

Output Text

Direct - Seminar

2007	Target:	22
2008	Target:	22
2009	Target:	22
2010	Target:	22
2011	Target:	22

Output Text

Direct - Site visit

2007	Target:	110
2008	Target:	110
2009	Target:	110
2010	Target:	110
2011	Target:	110

Output Text

Direct - Volunteer Training

2007	Target:	7
2008	Target:	7
2009	Target:	7
2010	Target:	7
2011	Target:	7

Output Text

Direct - Workshop - series

2007 Target: 18
2008 Target: 18
2009 Target: 18
2010 Target: 18
2011 Target: 18

Output Text

Direct - Workshop - single session

2007 Target: 14
2008 Target: 14
2009 Target: 14
2010 Target: 14
2011 Target: 14

Output Text

Indirect - Applied Research

2007 Target: 3
2008 Target: 3
2009 Target: 3
2010 Target: 3
2011 Target: 3

Output Text

Indirect - Publication - booklet

2007 Target: 1
2008 Target: 1
2009 Target: 1
2010 Target: 1
2011 Target: 1

Output Text

Indirect - Publication - fact sheet

2007 Target: 6
2008 Target: 7
2009 Target: 5
2010 Target: 7
2011 Target: 7

Output Text

Indirect - Publication - manual

2007 Target: 1000
2008 Target: 1000
2009 Target: 1000
2010 Target: 1000
2011 Target: 1000

Output Text

Indirect - Publication - newsletter

2007	Target:	35
2008	Target:	35
2009	Target:	35
2010	Target:	35
2011	Target:	35

Output Text

Indirect - Website

2007	Target:	10
2008	Target:	10
2009	Target:	10
2010	Target:	10
2011	Target:	10

Output Text

Indirect - Written or e-mail response to Client Request

2007	Target:	100
2008	Target:	100
2009	Target:	100
2010	Target:	100
2011	Target:	100

Outcomes for the Program

19. Outcome measures

Outcome Text: Awareness created

Outcome Text

Access relevant UMCE publications.

Outcome Type: Short

2007	Target:	120
2008	Target:	120
2009	Target:	120
2010	Target:	120
2011	Target:	120

Outcome Text

Access relevant UMCE web-based resources

Outcome Type: Short

2007	Target:	81900
2008	Target:	83900
2009	Target:	85900
2010	Target:	95900
2011	Target:	101900

Outcome Text

Demonstrate IPM techniques

Outcome Type: Short

2007 Target: 1850

2008 Target: 1955

2009 Target: 1990

2010 Target: 2040

2011 Target: 2070

Outcome Text

Demonstrate how to apply pesticides safely and effectively

Outcome Type: Short

2007 Target: 1500

2008 Target: 1500

2009 Target: 1620

2010 Target: 1690

2011 Target: 1830

Outcome Text

Demonstrate how to diagnose pest problems

Outcome Type: Short

2007 Target: 2301

2008 Target: 2301

2009 Target: 2422

2010 Target: 2423

2011 Target: 2534

Outcome Text

Demonstrate how to manage pests based on appropriate thresholds

Outcome Type: Short

2007 Target: 2081

2008 Target: 2186

2009 Target: 2192

2010 Target: 2243

2011 Target: 2244

Outcome Text

Describe IPM techniques

Outcome Type: Short

2007 Target: 1600

2008 Target: 1700

2009 Target: 1700

2010 Target: 1700

2011 Target: 1700

Outcome Text

Describe IPM technologies and benefits

Outcome Type: Short

- 2007 Target: 40
- 2008 Target: 40
- 2009 Target: 40
- 2010 Target: 40
- 2011 Target: 40

Outcome Text

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

Outcome Type: Short

- 2007 Target: 800
- 2008 Target: 800
- 2009 Target: 800
- 2010 Target: 800
- 2011 Target: 800

Outcome Text

Describe alternative pest manage techniques

Outcome Type: Short

- 2007 Target: 80
- 2008 Target: 85
- 2009 Target: 90
- 2010 Target: 90
- 2011 Target: 90

Outcome Text

Describe environmental risks

Outcome Type: Short

- 2007 Target: 870
- 2008 Target: 870
- 2009 Target: 950
- 2010 Target: 960
- 2011 Target: 990

Outcome Text

Describe insects that affect agriculture

Outcome Type: Short

- 2007 Target: 800
- 2008 Target: 800
- 2009 Target: 800
- 2010 Target: 800
- 2011 Target: 800

Outcome Text

Describe integrated pest management (IPM) in wild blueberries and cranberries.

Outcome Type: Short

2007 Target: 60

2008 Target: 60

2009 Target: 60

2010 Target: 60

2011 Target: 60

Outcome Text

Describe personal risks

Outcome Type: Short

2007 Target: 650

2008 Target: 700

2009 Target: 720

2010 Target: 770

2011 Target: 830

Outcome Text

Describe plant and animal disorders

Outcome Type: Short

2007 Target: 1400

2008 Target: 1400

2009 Target: 1500

2010 Target: 1500

2011 Target: 1600

Outcome Text

Describe production practices for wild blueberries and/or cranberries.

Outcome Type: Short

2007 Target: 400

2008 Target: 400

2009 Target: 400

2010 Target: 400

2011 Target: 400

Outcome Text

Describe sound agricultural practices

Outcome Type: Short

2007 Target: 1200

2008 Target: 1200

2009 Target: 1200

2010 Target: 1200

2011 Target: 1200

Outcome Text

Describe the health benefits of consuming wild blueberries and cranberries.

Outcome Type: Short

2007 Target: 1500

2008 Target: 1500

2009 Target: 1500

2010 Target: 1500

2011 Target: 1500

Outcome Text

Use UMaine Diagnostic Services

Outcome Type: Short

2007 Target: 6300

2008 Target: 6300

2009 Target: 6700

2010 Target: 6700

2011 Target: 7200

Outcome Text

Acquire pesticide applicator certification

Outcome Type: Medium

2007 Target: 590

2008 Target: 590

2009 Target: 590

2010 Target: 590

2011 Target: 590

Outcome Text

Adopt IPM strategies

Outcome Type: Medium

2007 Target: 100

2008 Target: 100

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Adopt appropriate technologies

Outcome Type: Medium

2007 Target: 450

2008 Target: 450

2009 Target: 460

2010 Target: 460

2011 Target: 470

Outcome Text

Adopt practices that maintain long-term productivity

Outcome Type: Medium

2007 Target: 420

2008 Target: 420

2009 Target: 420

2010 Target: 420

2011 Target: 420

Outcome Text

Adopt practices that maintain profitability

Outcome Type: Medium

2007 Target: 420

2008 Target: 420

2009 Target: 420

2010 Target: 420

2011 Target: 420

Outcome Text

Develop environmentally sound technologies that improve economic viability

Outcome Type: Medium

2007 Target: 200

2008 Target: 200

2009 Target: 200

2010 Target: 200

2011 Target: 200

Outcome Text

Expand IPM

Outcome Type: Medium

2007 Target: 300

2008 Target: 350

2009 Target: 400

2010 Target: 400

2011 Target: 400

Outcome Text

Identify and respond to pest issues

Outcome Type: Medium

2007 Target: 2300

2008 Target: 2300

2009 Target: 2300

2010 Target: 2300

2011 Target: 2300

Outcome Text

Identify and respond to plant and animal disorders

Outcome Type: Medium

2007 Target: 240

2008 Target: 250

2009 Target: 260

2010 Target: 270

2011 Target: 280

Outcome Text

Improve IPM

Outcome Type: Medium

2007 Target: 500

2008 Target: 500

2009 Target: 600

2010 Target: 600

2011 Target: 600

Outcome Text

Maintain pesticide applicator certification

Outcome Type: Medium

2007 Target: 3200

2008 Target: 3200

2009 Target: 3200

2010 Target: 3200

2011 Target: 3200

Outcome Text

Make better decisions regarding pest management

Outcome Type: Medium

2007 Target: 1100

2008 Target: 1100

2009 Target: 1150

2010 Target: 1200

2011 Target: 1200

Outcome Text

Reduce the use of high-risk pesticides

Outcome Type: Medium

2007 Target: 20

2008 Target: 20

2009 Target: 20

2010 Target: 20

2011 Target: 20

Outcome Text

Use pesticides safely

Outcome Type: Medium

2007 Target: 350
2008 Target: 400
2009 Target: 450
2010 Target: 500
2011 Target: 600

Outcome Text

Use relevant UMCE web-based resources

Outcome Type: Medium

2007 Target: 19540
2008 Target: 20040
2009 Target: 20540
2010 Target: 21040
2011 Target: 21540

Outcome Text

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

Outcome Type: Long

2007 Target: 0
2008 Target: 0
2009 Target: 0
2010 Target: 0
2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0
2008 Target: 0
2009 Target: 0
2010 Target: 0
2011 Target: 0

Outcome Text

Adopt and maintain integrated pest management strategies

Outcome Type: Medium

2007 Target: 360
2008 Target: 366
2009 Target: 372
2010 Target: 428
2011 Target: 444

20. External factors which may affect outcomes

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

Description

{NO DATA ENTERED}

21. Evaluation studies planned

- After Only (post program)
- Comparison between locales where the program operates and sites without program intervention

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.

22. Data Collection Methods

- Mail
- On-Site
- Other

Description

{NO DATA ENTERED}

1. Name of the Planned Program

Sustainable Communities

2. Program knowledge areas

- 136 Conservation of Biological Diversity 10 %
- 111 Conservation and Efficient Use of Water 15 %
- 803 Sociological and Technological Change Affecting Individuals, Families and Communities 5 %
- 133 Pollution Prevention and Mitigation 10 %
- 724 Healthy Lifestyle 10 %
- 403 Waste Disposal, Recycling, and Reuse 10 %
- 608 Community Resource Planning and Development 10 %
- 605 Natural Resource and Environmental Economics 10 %
- 112 Watershed Protection and Management 15 %
- 802 Human Development and Family Well-Being 5 %

3. Program existence

- Mature (More than five years)

4. Program duration

- Long-Term (More than five years)

5. 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.

6. 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.

7. 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.

8. 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.

9. Scope of Program

- In-State Extension
- Multistate Extension

Inputs for the Program

10. Expending formula funds or state-matching funds

- Yes

11. Expending other than formula funds or state-matching funds

- Yes

12. Expending amount of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2007	2.1	0.0	0.3	0.0
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

Outputs for the Program

13. Activity (What will be done?)

Conduct Interactive, Collaborative Fisheries Management Workshops
Food Donated to Food Cupboards and Soup Kitchens
Large-Scale Community Vision-to-Action Projects
Local Food Community Field Day
Outreach Education Using PowerPoint Presentations, White Papers, and Informational Handouts
Public Issue Education Through Facilitated Community Forums and Conferences
Public Issue Education via Community Radio Broadcasts
Smart Growth Demonstration Projects
Smart Growth Programming
Sustainability Series Program

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

Extension	
Direct Method	Indirect Methods
<ul style="list-style-type: none"> ● Education Class ● Workshop ● Group Discussion ● Demonstrations 	<ul style="list-style-type: none"> ● Other 1 (Radio)

15. 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)

16. 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
2007	400	7500	0	0
2008	815	7500	0	0
2009	1275	7500	0	0
2010	1375	7500	0	0
2011	1375	7500	0	0

17. (Standard Research Target) Number of Patents

Expected Patents	
Year	Target
2007	0
2008	0
2009	0
2010	0
2011	0

18. Output measures**Output Text**

Direct - Conference or symposium

2007	Target:	1
2008	Target:	2
2009	Target:	4
2010	Target:	4
2011	Target:	4

Output Text

Direct - Demonstration Project

2007	Target:	21
2008	Target:	21
2009	Target:	21
2010	Target:	21
2011	Target:	21

Output Text

Direct - Public Presentation

2007	Target:	20
2008	Target:	20
2009	Target:	20
2010	Target:	20
2011	Target:	20

Output Text

Direct - Seminar

2007	Target:	1
2008	Target:	1
2009	Target:	1
2010	Target:	1
2011	Target:	1

Output Text

Direct - Workshop - series

2007	Target:	1
2008	Target:	3
2009	Target:	4
2010	Target:	5
2011	Target:	5

Output Text

Direct - Workshop - single session

2007	Target:	3
2008	Target:	3
2009	Target:	3
2010	Target:	3
2011	Target:	3

Output Text

Indirect - Radio Program

2007	Target:	24
2008	Target:	24
2009	Target:	24
2010	Target:	24
2011	Target:	24

Outcomes for the Program

19. Outcome measures

Outcome Text: Awareness created

Outcome Text

Demonstrate how to assess and manage marine resources

Outcome Type: Short

2007	Target:	180
2008	Target:	180
2009	Target:	180
2010	Target:	180
2011	Target:	180

Outcome Text

Demonstrate how to compost

Outcome Type: Short

2007	Target:	35
2008	Target:	35
2009	Target:	35
2010	Target:	35
2011	Target:	35

Outcome Text

Demonstrate how to evaluate the effectiveness of existing policies or practices

Outcome Type: Short

2007	Target:	35
2008	Target:	40
2009	Target:	50
2010	Target:	50
2011	Target:	140

Outcome Text

Demonstrate how to influence environmentally-sound public policies

Outcome Type: Short

2007 Target: 70
2008 Target: 100
2009 Target: 100
2010 Target: 100
2011 Target: 100

Outcome Text

Demonstrate sustainable living principles and practices

Outcome Type: Short

2007 Target: 35
2008 Target: 35
2009 Target: 35
2010 Target: 35
2011 Target: 35

Outcome Text

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

Outcome Type: Short

2007 Target: 40
2008 Target: 40
2009 Target: 40
2010 Target: 40
2011 Target: 40

Outcome Text

Describe how to balance ecological, social and economic needs

Outcome Type: Short

2007 Target: 40
2008 Target: 40
2009 Target: 40
2010 Target: 40
2011 Target: 40

Outcome Text

Describe importance of involving a broad range of stakeholders to assess the skills, resources, opportunities present in their community

Outcome Type: Short

2007 Target: 20
2008 Target: 20
2009 Target: 20
2010 Target: 20
2011 Target: 20

Outcome Text

Describe sources of locally-produced food

Outcome Type: Short

2007 Target: 120

2008 Target: 120

2009 Target: 120

2010 Target: 120

2011 Target: 120

Outcome Text

Describe sustainable living principles and practices

Outcome Type: Short

2007 Target: 65

2008 Target: 65

2009 Target: 65

2010 Target: 65

2011 Target: 65

Outcome Text

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

Outcome Type: Short

2007 Target: 50

2008 Target: 75

2009 Target: 100

2010 Target: 125

2011 Target: 150

Outcome Text

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

Outcome Type: Short

2007 Target: 75

2008 Target: 100

2009 Target: 125

2010 Target: 150

2011 Target: 175

Outcome Text

Describe ways to reduce climate change

Outcome Type: Short

2007 Target: 60

2008 Target: 60

2009 Target: 60

2010 Target: 60

2011 Target: 60

Outcome Text

Adopt appropriate practices

Outcome Type: Medium

2007 Target: 120

2008 Target: 220

2009 Target: 320

2010 Target: 420

2011 Target: 520

Outcome Text

Adopt appropriate technologies

Outcome Type: Medium

2007 Target: 40

2008 Target: 40

2009 Target: 40

2010 Target: 40

2011 Target: 40

Outcome Text

Adopt lower impact lifestyles

Outcome Type: Medium

2007 Target: 15

2008 Target: 15

2009 Target: 15

2010 Target: 15

2011 Target: 15

Outcome Text

Conduct community service or outreach

Outcome Type: Medium

2007 Target: 27

2008 Target: 32

2009 Target: 37

2010 Target: 42

2011 Target: 47

Outcome Text

Develop local food production and distribution systems

Outcome Type: Medium

2007 Target: 1

2008 Target: 1

2009 Target: 1

2010 Target: 1

2011 Target: 1

Outcome Text

Increase consumption of locally-grown food

Outcome Type: Medium

2007 Target: 27
2008 Target: 32
2009 Target: 37
2010 Target: 37
2011 Target: 42

Outcome Text

Increase levels of community participation and decision making

Outcome Type: Medium

2007 Target: 42
2008 Target: 42
2009 Target: 42
2010 Target: 42
2011 Target: 42

Outcome Text

Make better decision regarding natural resource management

Outcome Type: Medium

2007 Target: 10
2008 Target: 10
2009 Target: 10
2010 Target: 10
2011 Target: 10

Outcome Text

Promote community responsibility and action

Outcome Type: Medium

2007 Target: 20
2008 Target: 25
2009 Target: 30
2010 Target: 35
2011 Target: 40

Outcome Text

Promote personal responsibility and action

Outcome Type: Medium

2007 Target: 60
2008 Target: 70
2009 Target: 80
2010 Target: 90
2011 Target: 100

Outcome Text

Reduce use of fossil fuels

Outcome Type: Medium

2007 Target: 20

2008 Target: 25

2009 Target: 30

2010 Target: 40

2011 Target: 50

Outcome Text

Reduce waste stream

Outcome Type: Medium

2007 Target: 20

2008 Target: 20

2009 Target: 30

2010 Target: 30

2011 Target: 40

Outcome Text

Reduces greenhouse gasses

Outcome Type: Medium

2007 Target: 20

2008 Target: 25

2009 Target: 30

2010 Target: 35

2011 Target: 40

Outcome Text

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

Increase the economic and social viability and sustainability of Maine communities

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

20. External factors which may affect outcomes

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

Description

{NO DATA ENTERED}

21. 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.

22. Data Collection Methods

- Mail
- Telephone
- Structured
- Case Study
- Other

Description

{NO DATA ENTERED}

1. Name of the Planned Program

Youth Development

2. Program knowledge areas

- 724 Healthy Lifestyle 30 %
- 803 Sociological and Technological Change Affecting Individuals, Families and Communities 40 %
- 608 Community Resource Planning and Development 30 %

3. Program existence

- Mature (More than five years)

4. Program duration

- Long-Term (More than five years)

5. 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.

6. 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=/commonspot/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.

7. 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).

8. 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.

9. Scope of Program

- In-State Extension
- In-State Research
- Multistate Extension

Inputs for the Program

10. Expending formula funds or state-matching funds

- Yes

11. Expending other than formula funds or state-matching funds

- Yes

12. Expending amount of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2007	8.8	0.0	0.6	0.0
2008	8.9	0.0	0.3	0.0
2009	8.1	0.0	0.2	0.0
2010	8.1	0.0	0.0	0.0
2011	8.1	0.0	0.0	0.0

Outputs for the Program

13. Activity (What will be done?)

4-H Afterschool
 4-H Blueberry Harvester Safety Course
 4-H Club Model
 4-H Dairy Challenge
 4-H Earth Connections Programs
 4-H Leader Support

4-H Leader Workshops
 4-H Super Sitter
 4-H Volunteer Leader Training
 Adult 4-H Volunteer Trainings
 Agricultural Job Exploration
 Civil Rights Teams
 Community Collaborative Healthy Lifestyle Program
 County 4-H Leadership Team
 Cumberland County 4-H Club Program
 Cumberland County 4-H School Enrichment
 Earth Connections Club Kits
 Earth Connections Day Camp
 Fairs
 Franklin County 4-H Club Program
 Gender Project- Youth
 Gender Project-Supporting Aspirations of Both Girls And Boys
 GIS/GPS Training
 Healthy Life Styles- Community Programs
 Healthy Lifestyles- Safe Operation Of Farm Tractors And Equipment
 Healthy Lifestyles: 4-H School Enrichment
 Kennebec County 4-H Clubs
 Leadership Program
 Maine 4-H GIS/GPS Project-Cumberland County
 Maine 4-H GIS/GPS Project-Franklin County
 Maine 4-H International Exchange Month-Long Out Bound To Japan
 Maine 4-H International Exchanges/Month Long Summer Exchange
 Maine 4-H International Year-Long High School Exchange
 New 4-H Volunteer Training
 Operation Military Kids
 Promote Positive Learning Experiences That Promote Healthy Life Choices.
 Reality Store
 School GIS/GPS Programs
 Science And Technology
 Summer Camps
 Summer Residential Camp
 Teen And Older 4-H Member Leadership Development
 Volunteer Development- Cumberland County 4-H Program
 York County 4-H After School
 York County 4-H Club Program
 York County 4-H Discovery Arts
 Youth Adult Tech Teams
 Youth In Governance
 Youth Will Participate in 4-H Livestock Activities

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

Extension	
Direct Method	Indirect Methods
<ul style="list-style-type: none"> Education Class Workshop Group Discussion One-on-One Intervention Other 1 (Collaborative or Cooperative Eff) Other 2 (4-H Day and Overnight Camp) 	<ul style="list-style-type: none"> Other 1 ()

15. 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)

16. 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
2007	1353	0	4698	0
2008	1407	0	5215	0
2009	1311	0	4652	0
2010	1317	0	5095	0
2011	1283	0	5510	0

17. (Standard Research Target) Number of Patents

Expected Patents	
Year	Target
2007	0
2008	0
2009	0
2010	0
2011	0

18. Output measures

Output Text

Direct - 4-H After School

2007	Target:	12
2008	Target:	12
2009	Target:	12
2010	Target:	12
2011	Target:	12

Output Text

Direct - 4-H Club - Community

2007	Target:	50
2008	Target:	50
2009	Target:	55
2010	Target:	60
2011	Target:	60

Output Text

Direct - 4-H Club - Project

2007	Target:	150
2008	Target:	160
2009	Target:	165
2010	Target:	170
2011	Target:	175

Output Text

Direct - 4-H Day Camp

2007	Target:	5
2008	Target:	6
2009	Target:	7
2010	Target:	7
2011	Target:	7

Output Text

Direct - 4-H Overnight Camp

2007	Target:	525
2008	Target:	525
2009	Target:	525
2010	Target:	525
2011	Target:	525

Output Text

Direct - 4-H School Enrichment

2007	Target:	50
2008	Target:	50
2009	Target:	40
2010	Target:	40
2011	Target:	40

Output Text

Direct - 4-H Short-term

2007	Target:	3
2008	Target:	6
2009	Target:	6
2010	Target:	6
2011	Target:	6

Output Text

Direct - 4-H Special Interest

2007	Target:	250
2008	Target:	250
2009	Target:	250
2010	Target:	250
2011	Target:	250

Output Text

Direct - Experiential Learning

2007	Target:	8
2008	Target:	8
2009	Target:	8
2010	Target:	8
2011	Target:	8

Outcomes for the Program

19. Outcome measures

Outcome Text: Awareness created

Outcome Text

Demonstrate animal handling practices

Outcome Type: Short

2007	Target:	465
2008	Target:	465
2009	Target:	475
2010	Target:	475
2011	Target:	475

Outcome Text

Demonstrate basic facilitation skills

Outcome Type: Short

2007 Target: 30

2008 Target: 40

2009 Target: 55

2010 Target: 70

2011 Target: 85

Outcome Text

Demonstrate best practices for community groups and organizations

Outcome Type: Short

2007 Target: 100

2008 Target: 100

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Demonstrate conflict management or mediation skills

Outcome Type: Short

2007 Target: 90

2008 Target: 110

2009 Target: 130

2010 Target: 140

2011 Target: 150

Outcome Text

Demonstrate effective collaboration skills and techniques

Outcome Type: Short

2007 Target: 100

2008 Target: 100

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Demonstrate effective relationship skills

Outcome Type: Short

2007 Target: 300

2008 Target: 300

2009 Target: 300

2010 Target: 300

2011 Target: 300

Outcome Text

Demonstrate healthy lifestyle choices

Outcome Type: Short

2007 Target: 460

2008 Target: 460

2009 Target: 380

2010 Target: 380

2011 Target: 230

Outcome Text

Demonstrate how to apply animal behavior principles to safe animal management and handling

Outcome Type: Short

2007 Target: 100

2008 Target: 100

2009 Target: 100

2010 Target: 150

2011 Target: 150

Outcome Text

Demonstrate how to build relationships

Outcome Type: Short

2007 Target: 100

2008 Target: 100

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Demonstrate how to collect and analyze data

Outcome Type: Short

2007 Target: 190

2008 Target: 190

2009 Target: 150

2010 Target: 150

2011 Target: 150

Outcome Text

Demonstrate how to communicate effectively

Outcome Type: Short

2007 Target: 160

2008 Target: 160

2009 Target: 175

2010 Target: 190

2011 Target: 205

Outcome Text

Demonstrate how to confront disrespectful behavior

Outcome Type: Short

2007 Target: 40
2008 Target: 60
2009 Target: 80
2010 Target: 90
2011 Target: 100

Outcome Text

Demonstrate how to create effective partnerships

Outcome Type: Short

2007 Target: 20
2008 Target: 40
2009 Target: 60
2010 Target: 80
2011 Target: 100

Outcome Text

Demonstrate how to create new media that promotes positive human development

Outcome Type: Short

2007 Target: 20
2008 Target: 20
2009 Target: 20
2010 Target: 20
2011 Target: 20

Outcome Text

Demonstrate how to create safe spaces

Outcome Type: Short

2007 Target: 30
2008 Target: 40
2009 Target: 50
2010 Target: 50
2011 Target: 50

Outcome Text

Demonstrate how to effectively lead organizations or community groups

Outcome Type: Short

2007 Target: 30
2008 Target: 45
2009 Target: 60
2010 Target: 75
2011 Target: 90

Outcome Text

Demonstrate how to identify native flora and fauna

Outcome Type: Short

2007 Target: 40

2008 Target: 40

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

Demonstrate how to identify needs that can be met through community service activities

Outcome Type: Short

2007 Target: 170

2008 Target: 240

2009 Target: 265

2010 Target: 190

2011 Target: 190

Outcome Text

Demonstrate how to keep good records

Outcome Type: Short

2007 Target: 225

2008 Target: 250

2009 Target: 275

2010 Target: 300

2011 Target: 350

Outcome Text

Demonstrate how to operate farm equipment safely

Outcome Type: Short

2007 Target: 47

2008 Target: 52

2009 Target: 52

2010 Target: 52

2011 Target: 52

Outcome Text

Demonstrate how to reduce, reuse, recycle, and refuse

Outcome Type: Short

2007 Target: 90

2008 Target: 90

2009 Target: 90

2010 Target: 90

2011 Target: 90

Outcome Text

Demonstrate how to respect others

Outcome Type: Short

2007 Target: 400

2008 Target: 400

2009 Target: 400

2010 Target: 600

2011 Target: 600

Outcome Text

Demonstrate how to respond to an emergency situation

Outcome Type: Short

2007 Target: 20

2008 Target: 20

2009 Target: 20

2010 Target: 20

2011 Target: 20

Outcome Text

Demonstrate how to set goals and priorities

Outcome Type: Short

2007 Target: 300

2008 Target: 300

2009 Target: 400

2010 Target: 400

2011 Target: 400

Outcome Text

Demonstrate how to support development of whole people

Outcome Type: Short

2007 Target: 100

2008 Target: 100

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Demonstrate how to use basic facilitation skills to run effective meetings

Outcome Type: Short

2007 Target: 20

2008 Target: 20

2009 Target: 20

2010 Target: 20

2011 Target: 20

Outcome Text

Demonstrate how to use dietary guidelines and food guide pyramid to plan menus or choose foods

Outcome Type: Short

2007 Target: 90

2008 Target: 90

2009 Target: 90

2010 Target: 90

2011 Target: 90

Outcome Text

Demonstrate how to use science process skills

Outcome Type: Short

2007 Target: 75

2008 Target: 100

2009 Target: 100

2010 Target: 125

2011 Target: 125

Outcome Text

Demonstrate how to use technology

Outcome Type: Short

2007 Target: 495

2008 Target: 525

2009 Target: 570

2010 Target: 530

2011 Target: 530

Outcome Text

Demonstrate improved communication skills

Outcome Type: Short

2007 Target: 400

2008 Target: 400

2009 Target: 400

2010 Target: 400

2011 Target: 400

Outcome Text

Demonstrate leadership skills

Outcome Type: Short

2007 Target: 675

2008 Target: 710

2009 Target: 710

2010 Target: 750

2011 Target: 790

Outcome Text

Demonstrate planning and organizational skills

Outcome Type: Short

2007 Target: 600

2008 Target: 600

2009 Target: 600

2010 Target: 650

2011 Target: 675

Outcome Text

Demonstrate positive engagement in their communities

Outcome Type: Short

2007 Target: 150

2008 Target: 180

2009 Target: 200

2010 Target: 200

2011 Target: 200

Outcome Text

Demonstrate project-related science or technology skills

Outcome Type: Short

2007 Target: 300

2008 Target: 300

2009 Target: 300

2010 Target: 300

2011 Target: 300

Outcome Text

Demonstrate public speaking skills

Outcome Type: Short

2007 Target: 160

2008 Target: 200

2009 Target: 250

2010 Target: 300

2011 Target: 350

Outcome Text

Demonstrate safe behavior and safety practices

Outcome Type: Short

2007 Target: 275

2008 Target: 275

2009 Target: 195

2010 Target: 195

2011 Target: 195

Outcome Text

Demonstrate science and technology skills needed in the workforce

Outcome Type: Short

2007 Target: 255

2008 Target: 255

2009 Target: 255

2010 Target: 255

2011 Target: 255

Outcome Text

Describe another culture

Outcome Type: Short

2007 Target: 70

2008 Target: 70

2009 Target: 70

2010 Target: 70

2011 Target: 70

Outcome Text

Describe benefits of community involvement

Outcome Type: Short

2007 Target: 180

2008 Target: 180

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Describe careers in science and technology

Outcome Type: Short

2007 Target: 245

2008 Target: 245

2009 Target: 245

2010 Target: 245

2011 Target: 245

Outcome Text

Describe gender stereotypes and their effects

Outcome Type: Short

2007 Target: 50

2008 Target: 50

2009 Target: 50

2010 Target: 50

2011 Target: 50

Outcome Text

Describe healthy lifestyle choices

Outcome Type: Short

2007 Target: 790

2008 Target: 790

2009 Target: 790

2010 Target: 790

2011 Target: 790

Outcome Text

Describe how to integrate regular physical activity into daily lives in a variety of ways

Outcome Type: Short

2007 Target: 340

2008 Target: 340

2009 Target: 340

2010 Target: 340

2011 Target: 340

Outcome Text

Describe learning that occurred through a service activity

Outcome Type: Short

2007 Target: 60

2008 Target: 60

2009 Target: 60

2010 Target: 60

2011 Target: 60

Outcome Text

Describe principles of good communication

Outcome Type: Short

2007 Target: 190

2008 Target: 190

2009 Target: 190

2010 Target: 190

2011 Target: 190

Outcome Text

Describe relationships between humans and wildlife

Outcome Type: Short

2007 Target: 40

2008 Target: 40

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

Describe science and technology skills needed in the workforce

Outcome Type: Short

2007 Target: 60

2008 Target: 60

2009 Target: 60

2010 Target: 60

2011 Target: 60

Outcome Text

Describe self as part of the web of life

Outcome Type: Short

2007 Target: 1520

2008 Target: 1520

2009 Target: 1480

2010 Target: 1480

2011 Target: 1480

Outcome Text

Describe sustainable living principles and practices

Outcome Type: Short

2007 Target: 788

2008 Target: 788

2009 Target: 788

2010 Target: 788

2011 Target: 788

Outcome Text

Describe the benefits of physical activity

Outcome Type: Short

2007 Target: 40

2008 Target: 40

2009 Target: 40

2010 Target: 40

2011 Target: 40

Outcome Text

Describe the ecosystems where they live

Outcome Type: Short

2007 Target: 780

2008 Target: 780

2009 Target: 780

2010 Target: 780

2011 Target: 780

Outcome Text

Describe the effect of cultural and media messages

Outcome Type: Short

2007 Target: 50
2008 Target: 50
2009 Target: 50
2010 Target: 50
2011 Target: 50

Outcome Text

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

Outcome Type: Short

2007 Target: 90
2008 Target: 90
2009 Target: 90
2010 Target: 90
2011 Target: 90

Outcome Text

Describe the health dangers of childhood obesity

Outcome Type: Short

2007 Target: 60
2008 Target: 60
2009 Target: 60
2010 Target: 60
2011 Target: 60

Outcome Text

Describe the laws of ecology

Outcome Type: Short

2007 Target: 780
2008 Target: 780
2009 Target: 740
2010 Target: 740
2011 Target: 740

Outcome Text

Describe the value of community involvement and civic participation

Outcome Type: Short

2007 Target: 50
2008 Target: 50
2009 Target: 50
2010 Target: 50
2011 Target: 50

Outcome Text

Demonstrate appreciation of diversity

Outcome Type: Short

2007 Target: 210

2008 Target: 230

2009 Target: 250

2010 Target: 250

2011 Target: 250

Outcome Text

Describe the watershed where they live

Outcome Type: Short

2007 Target: 80

2008 Target: 80

2009 Target: 80

2010 Target: 80

2011 Target: 80

Outcome Text

Describe ways science and technology skills can be useful to the community

Outcome Type: Short

2007 Target: 50

2008 Target: 50

2009 Target: 50

2010 Target: 50

2011 Target: 50

Outcome Text

Describe ways to observe, explore, and experience nature

Outcome Type: Short

2007 Target: 128

2008 Target: 128

2009 Target: 88

2010 Target: 88

2011 Target: 88

Outcome Text

Develop a plan for increasing physical activity

Outcome Type: Short

2007 Target: 65

2008 Target: 90

2009 Target: 90

2010 Target: 90

2011 Target: 90

Outcome Text

Learn to develop a plan to help prevent childhood obesity

Outcome Type: Short

2007 Target: 50

2008 Target: 50

2009 Target: 50

2010 Target: 50

2011 Target: 50

Outcome Text

Conduct tours of agricultural employers in Maine

Outcome Type: Medium

2007 Target: 3

2008 Target: 3

2009 Target: 3

2010 Target: 3

2011 Target: 3

Outcome Text

Adopt appropriate technologies

Outcome Type: Medium

2007 Target: 230

2008 Target: 230

2009 Target: 240

2010 Target: 240

2011 Target: 250

Outcome Text

Adopt lower impact lifestyles

Outcome Type: Medium

2007 Target: 750

2008 Target: 750

2009 Target: 750

2010 Target: 750

2011 Target: 750

Outcome Text

Adopt the USDA dietary guidelines and the food guide pyramid

Outcome Type: Medium

2007 Target: 40

2008 Target: 40

2009 Target: 40

2010 Target: 40

2011 Target: 40

Outcome Text

Assume personal responsibility for health

Outcome Type: Medium

2007 Target: 250

2008 Target: 250

2009 Target: 250

2010 Target: 250

2011 Target: 250

Outcome Text

Balance roles, responsibilities, and stress

Outcome Type: Medium

2007 Target: 100

2008 Target: 100

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Be a global citizen

Outcome Type: Medium

2007 Target: 135

2008 Target: 135

2009 Target: 135

2010 Target: 135

2011 Target: 135

Outcome Text

Conduct community service or outreach

Outcome Type: Medium

2007 Target: 1400

2008 Target: 1400

2009 Target: 1400

2010 Target: 1400

2011 Target: 1400

Outcome Text

Conduct community service or outreach using science and technology skills

Outcome Type: Medium

2007 Target: 300

2008 Target: 300

2009 Target: 300

2010 Target: 300

2011 Target: 300

Outcome Text

Create and sustain effective partnerships and collaborations

Outcome Type: Medium

2007 Target: 140

2008 Target: 140

2009 Target: 140

2010 Target: 140

2011 Target: 140

Outcome Text

Create learning opportunities based on principles of positive human development

Outcome Type: Medium

2007 Target: 800

2008 Target: 800

2009 Target: 800

2010 Target: 800

2011 Target: 800

Outcome Text

Create learning opportunities that are safe and empowering

Outcome Type: Medium

2007 Target: 250

2008 Target: 250

2009 Target: 250

2010 Target: 250

2011 Target: 250

Outcome Text

Develop a financial plan

Outcome Type: Medium

2007 Target: 300

2008 Target: 300

2009 Target: 350

2010 Target: 350

2011 Target: 350

Outcome Text

Develop a sense of belonging to a community

Outcome Type: Medium

2007 Target: 920

2008 Target: 970

2009 Target: 1020

2010 Target: 1070

2011 Target: 1120

Outcome Text

Develop community resources

Outcome Type: Medium

2007 Target: 100

2008 Target: 100

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Develop literacy and critical thinking skills

Outcome Type: Medium

2007 Target: 100

2008 Target: 100

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Develop skills that promote healthy relationships

Outcome Type: Medium

2007 Target: 750

2008 Target: 750

2009 Target: 950

2010 Target: 950

2011 Target: 950

Outcome Text

Engage in leadership development

Outcome Type: Medium

2007 Target: 100

2008 Target: 100

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Engage positively in their community

Outcome Type: Medium

2007 Target: 700

2008 Target: 750

2009 Target: 700

2010 Target: 750

2011 Target: 800

Outcome Text

Ensure that all people feel safe and accepted

Outcome Type: Medium

2007 Target: 630

2008 Target: 640

2009 Target: 750

2010 Target: 750

2011 Target: 750

Outcome Text

Facilitate meetings effectively

Outcome Type: Medium

2007 Target: 80

2008 Target: 90

2009 Target: 130

2010 Target: 170

2011 Target: 185

Outcome Text

Handle animals safely

Outcome Type: Medium

2007 Target: 460

2008 Target: 460

2009 Target: 380

2010 Target: 380

2011 Target: 380

Outcome Text

Identify and solve problems using science and technology skills

Outcome Type: Medium

2007 Target: 350

2008 Target: 395

2009 Target: 400

2010 Target: 400

2011 Target: 400

Outcome Text

Increase capacity to achieve goals

Outcome Type: Medium

2007 Target: 75

2008 Target: 100

2009 Target: 125

2010 Target: 150

2011 Target: 200

Outcome Text

Increase capacity to establish goals or make decisions

Outcome Type: Medium

2007 Target: 600

2008 Target: 600

2009 Target: 650

2010 Target: 700

2011 Target: 725

Outcome Text

Integrate regular physical activity into daily life

Outcome Type: Medium

2007 Target: 420

2008 Target: 520

2009 Target: 520

2010 Target: 520

2011 Target: 520

Outcome Text

Keep livestock healthy

Outcome Type: Medium

2007 Target: 100

2008 Target: 100

2009 Target: 100

2010 Target: 100

2011 Target: 0

Outcome Text

Make better decisions

Outcome Type: Medium

2007 Target: 300

2008 Target: 300

2009 Target: 300

2010 Target: 300

2011 Target: 300

Outcome Text

Make better decisions regarding healthy lifestyle

Outcome Type: Medium

2007 Target: 1175

2008 Target: 1175

2009 Target: 1175

2010 Target: 1175

2011 Target: 1175

Outcome Text

Make better decisions regarding healthy lifestyle using improved literacy and critical thinking skills

Outcome Type: Medium

2007 Target: 200

2008 Target: 200

2009 Target: 200

2010 Target: 200

2011 Target: 200

Outcome Text

Manage community resources

Outcome Type: Medium

2007 Target: 50

2008 Target: 50

2009 Target: 50

2010 Target: 50

2011 Target: 50

Outcome Text

Model positive group behavior to others

Outcome Type: Medium

2007 Target: 100

2008 Target: 100

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Operate equipment safely

Outcome Type: Medium

2007 Target: 30

2008 Target: 30

2009 Target: 30

2010 Target: 30

2011 Target: 30

Outcome Text

Participate in leadership roles

Outcome Type: Medium

2007 Target: 300

2008 Target: 300

2009 Target: 300

2010 Target: 300

2011 Target: 300

Outcome Text

Participation in 4-H Dairy projects and events

Outcome Type: Medium

2007 Target: 100

2008 Target: 100

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Practice safety

Outcome Type: Medium

2007 Target: 180

2008 Target: 180

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Support and mentor others in leadership roles

Outcome Type: Medium

2007 Target: 200

2008 Target: 200

2009 Target: 200

2010 Target: 200

2011 Target: 200

Outcome Text

Take leadership role

Outcome Type: Medium

2007 Target: 50

2008 Target: 50

2009 Target: 75

2010 Target: 100

2011 Target: 100

Outcome Text

Teach effectively

Outcome Type: Medium

2007 Target: 100

2008 Target: 100

2009 Target: 100

2010 Target: 100

2011 Target: 100

Outcome Text

Treat all people with dignity and respect

Outcome Type: Medium

2007 Target: 770

2008 Target: 770

2009 Target: 770

2010 Target: 770

2011 Target: 770

Outcome Text

Use clear and effective communication skills

Outcome Type: Medium

2007 Target: 600

2008 Target: 600

2009 Target: 700

2010 Target: 750

2011 Target: 800

Outcome Text

Use new technologies

Outcome Type: Medium

2007 Target: 550

2008 Target: 600

2009 Target: 650

2010 Target: 650

2011 Target: 650

Outcome Text

Work effectively with diverse groups

Outcome Type: Medium

2007 Target: 800

2008 Target: 800

2009 Target: 900

2010 Target: 900

2011 Target: 900

Outcome Text

Work productively in a team

Outcome Type: Medium

2007 Target: 300

2008 Target: 350

2009 Target: 350

2010 Target: 400

2011 Target: 425

Outcome Text

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

Increase the economic and social viability and sustainability of Maine communities

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

20. External factors which may affect outcomes

- Appropriations changes
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration,new cultural groupings,etc.)

Description

{NO DATA ENTERED}

21. Evaluation studies planned

- Retrospective (post program)
- During (during program)
- Comparisons between program participants (individuals,group,organizations) and non-participants

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.

22. Data Collection Methods

- Mail
- On-Site
- Structured
- Observation
- Other

Description

{NO DATA ENTERED}

1. Name of the Planned Program

Watershed Management

2. Program knowledge areas

- 101 Appraisal of Soil Resources 10 %
- 131 Alternative Uses of Land 10 %
- 111 Conservation and Efficient Use of Water 20 %
- 901 Program and Project Design, and Statistics 15 %
- 112 Watershed Protection and Management 20 %
- 132 Weather and Climate 15 %
- 403 Waste Disposal, Recycling, and Reuse 10 %

3. Program existence

- Mature (More than five years)

4. Program duration

- Long-Term (More than five years)

5. 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.

6. 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).

7. 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.

8. 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.

9. Scope of Program

- In-State Extension
- Multistate Extension

Inputs for the Program

10. Expending formula funds or state-matching funds

- Yes

11. Expending other than formula funds or state-matching funds

- Yes

12. Expending amount of professional FTE/SYs to be budgeted for this Program

Year	Extension		Research	
	1862	1890	1862	1890
2007	1.4	0.0	0.0	0.0
2008	1.4	0.0	0.0	0.0
2009	1.4	0.0	0.0	0.0
2010	1.4	0.0	0.0	0.0
2011	1.4	0.0	0.0	0.0

Outputs for the Program

13. Activity (What will be done?)

Outreach Planning For Lake Groups Training
 Watershed Planning With Municipalities
 Watershed Stewards Program
 Well Water/Groundwater Education

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

Extension	
Direct Method	Indirect Methods
<ul style="list-style-type: none"> ● Workshop ● Other 1 (Public Presentation) 	<ul style="list-style-type: none"> ● Other 1 ()

15. Description of targeted audience

General Public (Adult)

Municipal Officials (Adult)

Volunteers (Adult)

Watershed Stewards (Adult)

General Public (Youth)

16. 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
2007	98	0	10	0
2008	98	0	10	0
2009	108	0	10	0
2010	108	0	10	0
2011	108	0	10	0

17. (Standard Research Target) Number of Patents

Expected Patents	
Year	Target
2007	0
2008	0
2009	0
2010	0
2011	0

18. Output measures**Output Text**

Direct - Public Presentation

2007 Target: 1
2008 Target: 2
2009 Target: 2
2010 Target: 2
2011 Target: 2

Output Text

Direct - Workshop - series

2007 Target: 7
2008 Target: 7
2009 Target: 8
2010 Target: 8
2011 Target: 8

Output Text

Direct - Workshop - single session

2007 Target: 2
2008 Target: 2
2009 Target: 2
2010 Target: 2
2011 Target: 2

Outcomes for the Program

19. Outcome measures

Outcome Text: Awareness created

Outcome Text

Define a watershed

Outcome Type: Short

2007 Target: 100
2008 Target: 120
2009 Target: 140
2010 Target: 160
2011 Target: 190

Outcome Text

Demonstrate how to assess and manage marine resources

Outcome Type: Short

2007 Target: 150
2008 Target: 160
2009 Target: 160
2010 Target: 160
2011 Target: 160

Outcome Text

Demonstrate how to create outreach plans

Outcome Type: Short

2007 Target: 6
2008 Target: 6
2009 Target: 6
2010 Target: 6
2011 Target: 6

Outcome Text

Demonstrate how to identify invasive species

Outcome Type: Short

2007 Target: 50
2008 Target: 50
2009 Target: 50
2010 Target: 50
2011 Target: 50

Outcome Text

Demonstrate how to install conservation plantings using primarily native plants

Outcome Type: Short

2007 Target: 20
2008 Target: 20
2009 Target: 20
2010 Target: 20
2011 Target: 20

Outcome Text

Demonstrate knowledge of when and how to obtain a wellwater test

Outcome Type: Short

2007 Target: 25
2008 Target: 50
2009 Target: 50
2010 Target: 50
2011 Target: 50

Outcome Text

Describe how to install or enhance vegetated buffers

Outcome Type: Short

2007 Target: 70
2008 Target: 70
2009 Target: 70
2010 Target: 70
2011 Target: 70

Outcome Text

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

Outcome Type: Short

2007 Target: 50
2008 Target: 75
2009 Target: 100
2010 Target: 125
2011 Target: 150

Outcome Text

Describe the need for storm water management at individual site

Outcome Type: Short

2007 Target: 120
2008 Target: 120
2009 Target: 120
2010 Target: 120
2011 Target: 120

Outcome Text

Describe the value of community involvement and civic participation

Outcome Type: Short

2007 Target: 30
2008 Target: 30
2009 Target: 30
2010 Target: 30
2011 Target: 30

Outcome Text

Describe threats to freshwater quality

Outcome Type: Short

2007 Target: 90
2008 Target: 90
2009 Target: 90
2010 Target: 90
2011 Target: 90

Outcome Text

Describe threats to water quality from land use practices

Outcome Type: Short

2007 Target: 80
2008 Target: 80
2009 Target: 80
2010 Target: 80
2011 Target: 80

Outcome Text

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

Outcome Type: Short

2007 Target: 75
2008 Target: 100
2009 Target: 125
2010 Target: 150
2011 Target: 175

Outcome Text

Conduct a watershed survey

Outcome Type: Medium

2007 Target: 20
2008 Target: 20
2009 Target: 20
2010 Target: 20
2011 Target: 20

Outcome Text

Identify pollution sources

Outcome Type: Medium

2007 Target: 50
2008 Target: 50
2009 Target: 50
2010 Target: 50
2011 Target: 50

Outcome Text

Install or enhance conservation plantings using primarily native plants

Outcome Type: Medium

2007 Target: 15
2008 Target: 25
2009 Target: 30
2010 Target: 50
2011 Target: 50

Outcome Text

Install or enhance vegetated buffers

Outcome Type: Medium

2007 Target: 10
2008 Target: 10
2009 Target: 10
2010 Target: 10
2011 Target: 10

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

Increase the economic and social viability and sustainability of Maine communities

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

Outcome Text

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

Outcome Type: Long

2007 Target: 0

2008 Target: 0

2009 Target: 0

2010 Target: 0

2011 Target: 0

20. External factors which may affect outcomes

- Natural Disasters (drought,weather extremes,etc.)
- Appropriations changes
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Competing Programatic Challenges

Description

{NO DATA ENTERED}

21. Evaluation studies planned

- After Only (post program)
- Other

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.

22. Data Collection Methods

- Mail
- Telephone
- Case Study
- Other

Description

{NO DATA ENTERED}