

# 2009 University of Maine Extension Annual Report of Accomplishments and Results

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## I. Report Overview

### 1. Executive Summary

#### *Executive Summary*

During 2009, the University of Maine Cooperative Extension engaged in educational programming that reflected the needs of Maine citizens and resulted in improved quality of life for thousands of individuals. Our work is linked to issues that continue to be informed by citizens and stakeholders through formal and informal inquiry.

#### **New Executive Director of Extension**

In August, former UMaine Extension Program and Financial Administrator John Rebar was named Executive Director of UMaine Extension. Rebar has been with our administration since 1994, providing statewide leadership for natural resources, agriculture, 4-H youth development, and family and consumer sciences programs, and has served as interim director since February 2007. He is also associate director of the Maine Agricultural Center, a partnership between UMaine Extension and the Maine Agricultural and Forest Experiment Station. His 26-year career with UMaine Extension includes 10 years as a county educator, where he earned national recognition for his work in family resource management.

#### **Budget Challenges and the Future of UMaine Extension**

As in the previous year, we experienced staff reductions through retirement, reassignment, and resignation. The available salary lines were assigned to either meet a prioritized need, or eliminated to meet budget reduction goals. As a result, we are no longer focusing on two previously planned core programs: *Aging Lifestyles*, and *Health Literacy, Disease, and Our Health Care System*. However, with respect to an important component of Maine's population, we are remaining committed to our partnership with the Corporation for National and Community Service and the Senior Companion Program, reported within the planned program called *Healthy Lifestyles*.

In July of 2009, we completed a planning process that resulted in recommendations for changes in UMaine Extension's future. The work was completed by Maine Extension Futures Task Force comprised of a cross-section of Extension administration, staff and volunteers and was guided by several trends. Three main themes emerged in how we will do business in the future:

- UMaine Extension will be engaging in *creative program and operational initiatives* throughout the organization. Personal and group leadership for these initiatives need support and focus in moving UMaine Extension in a commonly shared and understood direction.
- The ethic and practice of *sustainability* is critical to many dimensions of UMaine Extension in the areas of educational priorities, staffing, operations, and funding.
- We anticipate significant reduction in state funds for the foreseeable future. We accept this challenge as an *opportunity to focus* our statewide work on what matters most to Maine citizens now and in the future.

The planning process was guided by the questions:

- What do we stop, start, and continue?
- How do we engage with Maine citizens?
- How do we operate as an organization?
- How do we generate funding through grants, gifts, and fees for programs?

The task force's recommendations were shared with staff and stakeholders and published as a living document called "UMaine Extension Blueprint for Action." Relative to the delivery of Extension programming for Maine, four outcomes were identified:

- Increased relevance to Maine citizens
- Focused statewide issues-based programming
- Increased efficiencies and effectiveness in reporting our work and resulting impacts
- Improved understanding and value for UMaine Extension by Maine residents

One important recommendation to come out of the process is to reduce our 18 Plan of Work issue areas and associated program priorities to better align with our current and potential capacity to achieve significant impacts. The steps we will take to achieve these changes are:

- Identify the highest priority issues within which we have the current and potential capacity for significant impact in Maine and, to the degree possible, align with the National Institute of Food and Agriculture (NIFA) national priorities;
- Restructure program teams to reflect newly identified issues and priorities;

- .. Convene program teams and relevant stakeholder groups to review issue reports and reframe our programming intentions accordingly;
- .. Convene program teams and relevant programming groups to create and update targeted group logic model Plans of Work; and
- .. Reallocate staff as needed.

### **Integrating Technology and Educational Delivery**

In January 2009, we formed the UMaine Extension *Educational Technology Leadership Fast Force*. The "Fast Force" is a team of administration and staff members committed to providing infrastructure to promote and expand educational technology leadership within UMaine Extension to expand educational programming using current and emerging technologies. The work of the Fast Force included developing a streamlined protocol to follow when integrating the use of educational technology in outreach education. We identified the current capacities and needs within the department and created strategic partnerships to expand our capacities. One area that we identified was the need to increase our ability to create on-line courses for our customers, which we have done through a new partnership with the UMaine Division of Life Long Learning. We also revised an existing position to create a central point of contact for staff who are interested in expanding educational technology as a component of their program delivery. We will continue to seek out opportunities to expand our abilities in the use of educational technologies and social media.

### **New and Ongoing Innovative Research and Extension**

During 2009 we emphasized programming statewide in response to a strong consumer demand for ways to reduce food costs through home gardening, food production, and food preservation. We introduced a new program called Master Food Preservers, which allows participants to serve as volunteer resource people in their communities, providing research-based information from UMaine Extension and USDA. We also provided Maine parents with programs to help them save money and make safe, healthy alternatives to store-bought baby food. At the "Make Your Own Baby Food" classes, we offer nutritious recipes, discuss storage techniques, and review when it's appropriate to introduce new foods to babies and infants. Parents save money by understanding how to compute unit prices per ounce for premade food, and compare prices to those of homemade baby food made from fresh, organic or canned ingredients.

We continued our strong emphasis on consumer energy issues and partnered with the State of Maine Public Utilities Commission to provide local workshops on basic principles for low-cost and no-cost alternative heating and alternative energy strategies. Participants are taught conservation techniques, how to utilize appropriate alternative fuels, and how to develop appropriate small-scale energy production systems for the home.

Recognizing the need for a centralized, neutral source of climate information specific to Maine, UMaine Extension partnered with Maine Sea Grant to launch the Maine Climate News at <http://extension.umaine.edu/maineclimatenews>. Produced in partnership with the Maine State Climatologist, the site is intended to be a portal to local climate change science and research at the University of Maine and beyond, as well as a resource for news and climate-related activities throughout the state. The site provides visitors with access to climate scientists who bring their scientific expertise and climate resources to serve the citizens of their states with specific first-hand support.

Great experiential learning opportunities for young people continued to expand in 2009 through UMaine Extension's 4-H camps. New within our portfolio is the University of Maine 4-H Camp & Learning Center at Bryant Pond. Acquired in 2008, the camp offers experiential education in conservation and outdoor skills in a stunning natural setting. The camp increased its capacity to reach more than 4,000 youth through on-site programs and outreach to schools and afterschool programs. Its capacity to serve youth has increased through the support of community outreach and partners in support of scholarship funds that have doubled to hit a record \$442,598 for the current year. In 2009, the camp was the recipient of American Recovery and Reinvestment Act funding, which helped 36 young people become certified as junior Maine guides or conservation leaders, a first step towards potential employment in Maine's natural resources tourism industry.

For the past 18 years, UMaine Extension has produced and hosted twice monthly, hour-long public affairs radio programs that address family, community, economic, and environmental issues in a format that encourages public interaction through real-time call-ins. The shows air live, and are archived for pod-cast at WERU, a nationally-recognized, listener-funded community radio station. In 2009, we aired 24 programs, reaching an average of 8,500 listeners per program. Nearly 70 guests helped frame the issues, discuss alternate approaches to solutions, and answer questions from listeners, who also shared insights and experience. Topics included:

- .. nature- and fisheries-based tourism as a coastal economic strategy;
- .. challenges and opportunities related to changing Federal fishing regulations;
- .. the role of shore-land zoning in protecting water quality and habitat;
- .. the affects of climate change on communities, natural resources and the economy;
- .. strategies for non-profits to weather the recession;

- .. connecting children to nature;
- .. farmers' markets and community-based fisheries;
- .. community response to the potential H1N1 flu pandemic; and
- .. teen issues, including self-esteem, bullying, and pressures to engage in sex at an early age.

Also in 2009, Maine faculty engaged in important research and extension work as part of the National Specialty Crop Block Grant Program by leading projects and partnering with regional institutions on the sustainability of wild blueberry production and the production of organic bread wheat in Maine. Faculty also worked on improving the safety of acidified foods produced by small-scale food producers in the northeast through the National Integrated Food Safety Initiative.

An evolving project that has important implications for Maine farmers and citizens alike is being conducted in northern Maine potato country, where researchers are proving it is possible to produce compressed pellet fuel in Maine using locally grown grasses. Data show that pellet efficiency rivals that of compressed pellets from other regions. The next important phase of the project, supported by funding partnerships with the Maine State Legislature and the American Recovery and Reinvestment Act of 2009, is to purchase and install a bio-fuels boiler and use the new pellets to heat the Aroostook County Extension office. Maine-grown pellet fuel has the potential to become an important cash-crop, a new manufacturing industry in a region that really needs it, a valuable rotational crop for potato farmers, and a source of lower cost energy for Maine citizens.

### **Unique Challenges in 2009**

The summer of 2009 brought record amounts of precipitation to New England, which challenged all agricultural sectors. The conditions were perfect to inspire outbreaks of late blight, a disease that mainly attacks nightshades, such as potatoes and tomatoes. Late blight was a factor in the Irish potato famine in the 1840s and can be devastating to potato crops, Maine's largest agricultural commodity (nearly 60,000 acres and a total economic value of more than \$500 million). Maine's potato industry employs more than 6,000 people. Through the UMaine Extension crops program computerized disease forecasting, coupled with selective fungicide applications, field scouting, early detection, and appropriate management, growers were able to successfully cope with the serious late blight pressure and avoid millions in losses. The situation was worse for organic growers and home gardeners whose crops were infected early with a new late blight strain brought into Maine by mass-market retailers. As organic growers have a smaller arsenal of chemicals to use to fight infections, mitigation was more challenging. UMaine Extension worked with small growers and homeowners to identify, treat, and/or destroy infected plants, resulting in minimized losses. Growers who did not discover the disease in its early stage suffered 100 percent loss.

Numerous weather challenges for the 2009 growing season coupled with a fragile U.S. economy pushed farmers to extreme levels of stress. The result was several farmer suicides and a support structure that was challenged to deal with this issue. Extension gathered resources from across the nation and consolidated them on a Web site called "Helping Farmers Cope with Stress." The site boldly addresses issues related to overwork, financial crises, and failure, which can result in anger, depression, and suicide. The Web site backed up an online interactive presentation sponsored by UMaine Extension with Dr. Robert Fetsch of Colorado State University, who is a recognized expert on the subject. The live presentation was viewed across Maine and as far away as Vermont. The site can be found at <http://extension.umaine.edu/agriculture/programs/farmers-under-stress/>.

In the fall of 2009, Maine had an outbreak of mosquito-borne Eastern Equine Encephalitis (EEE) that, as of October, had killed 12 horses, one llama and three penned flocks of pheasant. The disease is potentially devastating to humans, killing about a third of its victims and causing lifelong neurological problems in another third. As a component of their response, the Maine Center for Disease Control Vector Borne Workgroup created an EEE educational subcommittee that consisted of CDC members, the Maine State Veterinarian, and a UMaine Extension Pest Management Specialist. The subcommittee produced educational materials on EEE and how to guard against infection, which have been used on television and strategically distributed throughout the State. Their work will continue in 2010 with an early media blitz to inform the public about EEE.

UMaine Extension administration was asked to facilitate meetings of the academic leadership of the University of Maine to help plan for a campus-wide loss of an estimated \$30 million over the next four years, resulting in the formation of a collaborative faculty/administrative partnership in September 2009. That group will make recommendations to the University leadership for program priorities leading to reductions in some areas. UMaine Extension is continuing to play a leadership role through facilitating the ongoing process of University-wide restructuring.

### **The Value of Volunteers**

As in previous years, our volunteers multiplied the value of our work through the generous commitment of their time and expertise, this year giving more than 151,400 hours to their communities in the name of UMaine Extension. Extension volunteers helped senior citizens maintain their health and independence, grew community gardens, taught people ways to

keep warm during the long Maine winter, helped feed the hungry, monitored the quality of our coastal and lake waters, made their communities more beautiful, and maybe most importantly, helped young people in Maine learn skills of living. Volunteer time is valued at \$15.74 by Independent Sector &ndashif paid this reasonable rate for their time, these volunteers would be worth more than \$2.38 million to Maine communities. If we put a value on the affect they had in the lives and future of the people with whom they worked, it would, of course, be invaluable.

Also in 2009, we expanded our partnership with the Maine Commission for Community Service and the Corporation for National and Community Service by supervising the work of 12 VISTA Volunteers who are working across Maine to engage and empower volunteers to work with youth, provide consumer energy education, teach gardening and food preservation, and work with senior citizens.

UMaine Extension's Plant-A-Row for the Hungry Program involves home gardeners, Master Gardeners, and other volunteers who grow fresh fruits and vegetables and donate them to needy individuals and families in Maine. The effort is part of a national program sponsored by the Garden Writers Association. During the 2009 garden season, UMaine Extension collected over 42 tons of fresh fruit and vegetables to give to food banks, soup kitchens, service organizations, and directly to families as part of our healthy lifestyles educational programs. At an average market value of \$1.90 per pound, the contribution was valued at more than \$160,700. The program's objectives are to mitigate hunger, improve nutrition and health, and help the recipients develop lifelong positive nutritional habits.

### **Recognition**

Additionally, in 2009 UMaine Extension received national attention for our partnership with the Canada-based International Maple Syrup Institute, which hosted the sixth annual Maple Grading School in Maine. Producers who attended the School learned and implemented specific grading skills that enabled them to produce more uniform, consistent, and valuable maple syrup and value-added maple products.

UMaine Extension also received recognition for its role in the Maine Forest Working Group, a partnership composed of the Small Woodland Owners Association of Maine, US Forest Service, USDA Natural Resources Conservation Service, Threshold to Maine Resource Conservation and Development (RC&D) Area, Maine Forest Service, and consulting foresters. In 2009, the Group won the Two Chief's Partnership Award, a national award given by the chiefs of the Natural Resources Conservation Service and US Forest Service, which recognizes exemplary employees and projects that support conservation and forest stewardship. The Working Group has developed an effective and inexpensive educational model that has directly reached more than 400 landowners, representing more than 10,000 acres of Maine forestland.

### **Compliance with the "Dr. Beachy Memo", December 2009**

The UMaine Extension Annual Report of Accomplishments for 2009 reflects our best effort to comply with the December 23, 2009 request by Dr. Roger Beachy regarding "National Priorities for NIFA Funds and Guidance for Plans of Work and Annual Reports." To meet this intention we have consolidated Maine planned programs under relevant NIFA national priority headings where possible. This consolidation is reflected in information submitted to the NIFA online POW site [<http://pow.nifa.usda.gov/home.htm>]. The result leaves some pre-populated planned programs from our last plan of work update blank within the reporting Website.

The consolidation structure of our Annual Report of Accomplishments is:

GLOBAL FOOD SECURITY AND HUNGER

Agriculture: Crop Production

Agriculture: Sustainable Business Management

Home Horticulture

Maine Livestock Industry

Pest Management

CLIMATE CHANGE

Environmental Education: Sustainable Living

Watershed Management

SUSTAINABLE ENERGY

Forestry and Wildlife

Sustainable Communities

CHILDHOOD OBESITY

Healthy Lifestyles

FOOD SAFETY

Food Safety

MAINE PLANNED PROGRAMS

Community Development Capacity-building Skills

Entrepreneurship - Small and Home Based Business  
 Family Relations and Transitions  
 Healthy Lifestyles  
 Youth Development  
 Coastal and Marine  
 Administrative Plan of Work Planning and Supervision

### **Our Challenges ARE Our Opportunities**

Like many organizations across the nation, our challenges are due to a perfect storm of shrinking budgets and a corresponding expansion of citizen's issues, coupled with stunning changes in modern delivery of educational material through technological evolution. Still, we continue to approach this as an opportunity consistent with our history and are responding with the expertise of our remarkable staff and the full resources of the land-grant university of which we are a part. Despite profound shrinkage in State support to the University of Maine, the outreach mission of our institution remains a high priority, and UMaine Extension as its major purveyor remains an important and integrated part of that effort as expressed by our President, Dr. Robert Kennedy, in a recent blog posting:

*In a career spent at land-grant universities, I've been closely involved with a number of Extension operations. None can match UMaine Extension in terms of scope, effectiveness and commitment to the needs of state residents. It is truly a first-class enterprise, which brings UMaine expertise and resources to people in every Maine community. As Extension's role evolves, so does UMaine's impact. UMaine Extension focuses on helping Maine residents work to manage agriculture, natural resources, and the environment; enhance economic opportunity; and encourage lifelong wellness. The widespread effect of work in those areas alone has a tremendous positive impact on communities, families and individuals statewide.*

*Extension is a source of pride for the University of Maine, and it is a real key to the positive statewide identity this institution enjoys.*

Dr. Robert Kennedy, President University of Maine, February 2010

### **Total Actual Amount of professional FTEs/SYs for this State**

Year: 2009	Extension		Research	
	1862	1890	1862	1890
Plan	93.3	0.0	5.4	0.0
Actual	88.6	0.0	9.5	0.0

## **II. Merit Review Process**

### **1. The Merit Review Process that was Employed for this year**

- Internal University Panel
- External Non-University Panel

### **2. Brief Explanation**

The University of Maine Cooperative Extension is a member of the New England Planning and Reporting Consortium, a formalized partnership of Extension programs in Massachusetts, New Hampshire, Maine, and Vermont. As part of our multi-state collaboration, we have also developed a rotating multi-state Merit Review process to allow each state partner to receive a thorough peer-review of their state Plans of Work every four years. This rotational process is accomplished by faculty committees who review planned programs that relate to their own programming expertise. The process was on hold during 2009 as Maine engaged in a planning process (described below), but is expected to resume during 2010.

In July of this year we completed a planning process that made recommendations for changes in UMaine Extension's future. The work was completed by a task force comprised of a cross-section of Extension staff and volunteers. The planning process was guided by the questions: "What do we stop, start, and continue doing relative to how we engage with Maine citizens, how we operate as an organization, and how we generate funding through grants, gifts, and fees for programs? The resulting recommendations were shared with staff and stakeholders and published as an evolving document called "UMaine Extension Blueprint for Action".

### III. Stakeholder Input

#### 1. Actions taken to seek stakeholder input that encouraged their participation

- Targeted invitation to traditional stakeholder groups
- Targeted invitation to non-traditional stakeholder groups
- Targeted invitation to traditional stakeholder individuals
- Other (Research using relevant current and first-source data)

#### Brief explanation.

As in the recent past, the foundations of our current Plan of Work cycle are based on a statewide needs assessment conducted in 2005 and 2006, which included multiple elements that encouraged direct stakeholder participation. That process has been followed up by formal and informal assessments done at the individual, team, and administrative levels.

Our ongoing process also includes interaction with partners who connect directly with citizens in focused ways and represent their interests accordingly. Selected examples include:

- “ Our partnership with citizen executive committees who provide direction and advice to each County Extension program in Maine and help to prioritize regional programming efforts.
- “ Quarterly interactions with the Maine Board of Agriculture as a representative of agricultural commodity groups, organizations, state government, and related industries.
- “ The Wild Blueberry Commission of Maine who represents the industry growers and processors, and who administrates a state tax fund of approximately \$1 million.
- “ The Maine Potato Board, composed principally of Maine-based potato farmers who offers input and advice backed up with support for research through their education and research committees.
- “ The Pine Tree State 4-H Foundation who works as a close partner to enrich youth experiences through our 4-H Youth Development Program.
- “ A variety of advisory boards and councils who are formed with targeted intent to guide the work of some of our important programs. Examples include the Senior Companion Advisory Board, the Maine Sea Grant Policy Advisory Committee, and the Maine Board of Pesticides Control.

#### 2(A). A brief statement of the process that was 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
- Other (Public and private partnerships)

#### Brief explanation.

{NO DATA ENTERED}

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

##### 1. Methods for collecting Stakeholder Input

- Meeting with traditional Stakeholder groups
- Survey of traditional Stakeholder groups
- Meeting with traditional Stakeholder individuals
- Survey of traditional Stakeholder individuals
- Meeting specifically with non-traditional groups
- Survey specifically with non-traditional groups
- Other (Meetings with state government and agency leadership)

**Brief explanation.**

{NO DATA ENTERED}

**3. A statement of how the input will be considered**

- In the Budget Process
- To Identify Emerging Issues
- Redirect Extension Programs
- Redirect Research Programs
- To Set Priorities

**Brief explanation.**

As an example of our response to an emerging issue, during 2009 we recognized the need for a centralized, neutral source of climate information specific to Maine. As a result, UMaine Extension and Maine Sea Grant launched the Maine Climate News at <http://extension.umaine.edu/maineclimatenews>. Produced in partnership with the Maine State Climatologist, the site is intended to be a portal to local climate change science and research at the University of Maine and beyond, as well as a resource for news and climate-related activities throughout the state. The site provides visitors with access to climate scientists who bring their scientific expertise and climate resources to serve the citizens of their states with specific first-hand support.

**Brief Explanation of what you learned from your Stakeholders**

Maine citizens and stakeholders continued to express a need for research projects to address specific issues that are important to them. We answered this need in several ways, thanks to our effective partnership with the UMaine College of Natural Sciences, Forestry, and Agriculture and the Maine Agricultural and Forest Experiment Station. Together, the three entities represent the Maine Agricultural Center, which supports stakeholder-driven agricultural research and education for Maine. Examples of recent projects include:

- “ Improving the Potential for Off-season Strawberry Production with Day-Neutral Cultivars and Plastic Mulches
- “ Managing Fertility to Produce High Quality Bread Wheat in Maine
- “ Evaluating Bt Field and Sweet Corn for Yield and Insect Damage
- “ Leachate Quantity and Quality Generated by Carcass Mortality Compost Piles
- “ Improving Transplant Quality and Survivorship for Muskmelon Production in Maine and New Hampshire
- “ Searching for Profitable Vegetable Varieties for Maine Farmers
- “ Alternatives to Antibiotics in Treating Mastitis
- “ Alternate Bedding
- “ Fall Bed Preparation

IV. Expenditure Summary

<b>1. Total Actual Formula dollars Allocated (prepopulated from C-REEMS)</b>			
<b>Extension</b>		<b>Research</b>	
<b>Smith-Lever 3b &amp; 3c</b>	<b>1890 Extension</b>	<b>Hatch</b>	<b>Evans-Allen</b>
2187051	0	0	0

<b>2. Totaled Actual dollars from Planned Programs Inputs</b>				
	<b>Extension</b>		<b>Research</b>	
	<b>Smith-Lever 3b &amp; 3c</b>	<b>1890 Extension</b>	<b>Hatch</b>	<b>Evans-Allen</b>
<b>Actual Formula</b>	2187050	0	0	0
<b>Actual Matching</b>	7447634	0	0	0
<b>Actual All Other</b>	5437277	0	0	0
<b>Total Actual Expended</b>	15071961	0	0	0

<b>3. Amount of Above Actual Formula Dollars Expended which comes from Carryover funds from</b>				
<b>Carryover</b>	0	0	0	0



## V. Planned Program Table of Content

S. No.	PROGRAM NAME
1	Global Food Security and Hunger
2	Climate Change
3	Sustainable Energy
4	Childhood Obesity
5	Food Safety
6	Community Development: Capacity-building Skills
7	Entrepreneurship - Small and Home Based Business
8	Family Relations and Transitions
9	Healthy Lifestyles
10	Youth Development
11	Coastal and Marine
12	Administrative Plan of Work; Planning and Supervision
13	Maine Livestock Industry - For 2009, see Global Food Security and Hunger
14	Home Horticulture - For 2009, see Global Food Security and Hunger
15	Pest Management - For 2009, see Global Food Security and Hunger
16	Agriculture - Sustainable Business Management - For 2009, see Global Food Security and Hunger
17	Sustainable Communities - For 2009, see Sustainable Energy
18	Watershed Management - For 2009, see Climate Change
19	Health Literacy, Disease, and Our Health Care System - Not reporting in 2009
20	Aging Lifestyles - Not reporting in 2009

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

Global Food Security and Hunger

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

<b>KA Code</b>	<b>Knowledge Area</b>	<b>%1862 Extension</b>	<b>%1890 Extension</b>	<b>%1862 Research</b>	<b>%1890 Research</b>
101	Appraisal of Soil Resources	3%		3%	
102	Soil, Plant, Water, Nutrient Relationships	8%		8%	
111	Conservation and Efficient Use of Water	5%		5%	
112	Watershed Protection and Management	6%		6%	
133	Pollution Prevention and Mitigation	5%		5%	
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants	3%		3%	
205	Plant Management Systems	3%		3%	
211	Insects, Mites, and Other Arthropods Affecting Plants	7%		7%	
215	Biological Control of Pests Affecting Plants	3%		3%	
216	Integrated Pest Management Systems	12%		12%	
302	Nutrient Utilization in Animals	1%		1%	
307	Animal Management Systems	4%		4%	
311	Animal Diseases	3%		3%	
315	Animal Welfare/Well-Being and Protection	3%		3%	
502	New and Improved Food Products	7%		7%	
601	Economics of Agricultural Production and Farm Management	5%		5%	
602	Business Management, Finance, and Taxation	5%		5%	
604	Marketing and Distribution Practices	7%		7%	
704	Nutrition and Hunger in the Population	9%		9%	
721	Insects and Other Pests Affecting Humans	1%		1%	
	<b>Total</b>	100%		100%	

**V(C). Planned Program (Inputs)****1. Actual amount of professional FTE/SYs expended this Program**

<b>Year: 2009</b>	<b>Extension</b>		<b>Research</b>	
	<b>1862</b>	<b>1890</b>	<b>1862</b>	<b>1890</b>
Plan	19.6	0.0	0.9	0.0
Actual	32.5	0.0	5.4	0.0

**2. Actual dollars expended in this Program (includes Carryover Funds from previous years)**

Extension		Research	
<b>Smith-Lever 3b &amp; 3c</b> 980523	<b>1890 Extension</b> 0	<b>Hatch</b> 0	<b>Evans-Allen</b> 0
<b>1862 Matching</b> 3550535	<b>1890 Matching</b> 0	<b>1862 Matching</b> 0	<b>1890 Matching</b> 0
<b>1862 All Other</b> 1770690	<b>1890 All Other</b> 0	<b>1862 All Other</b> 0	<b>1890 All Other</b> 0

**V(D). Planned Program (Activity)****1. Brief description of the Activity**

- Agriculture - Crop Production Public Presentation
- Agriculture - Crop Production Related Publications
- Beef Conference
- Beef Quality Assurance Training
- Children's Agricultural Educational Events
- Client Consultation - Insect, Plant Disease, Pest Management
- Commercial Agriculture Activities
- Community Programs on Home Horticulture Topics
- Consultations - Agriculture Business Management
- Consultations - Livestock
- Consultations on Consumer and Commercial Horticulture Topics
- Consultations on Crop Production
- Consumer Horticulture Programming
- Cranberry Integrated Pest Management
- Cranberry Related Fact Sheets
- Crop Insurance Education
- Crop Related Demonstration
- Crops Related (publication)
- Crops Related (refereed journal article)
- Cut Flower Demonstration Project
- Dairy Email Newsletters
- Demonstration Plantings
- Developing And Implementing An Estate Plan To Preserve Wealth
- Educational Entomological Display
- 4-H Day School Programs
- 4-H Earth Connections - School Programs
- 4-H Earth Connections Summer Residential Camp
- Bryant Pond 4-H Camp
- Consumer alternative energy activities
- Consumer Energy General Activities
- Environmental Education
- eXtension &dash Support for Horticulture and eOrganic Dairy Community of Practice
- General Activities - Sustainable Living
- General Activities - Watershed Management
- Green Camp Certification
- Implementing Environmental Sustainability Education
- Outreach Planning for Lake Groups Training
- Seacoast Sustainability Team
- Sustainable Living Public presentations and displays
- Sustainable Living Workshops

- Tanglewood 4-H Camp and Learning Center
- Vaughn Island 4-H Environmental Camp
- Watershed Management Public Presentation
- Watershed Planning with Municipalities
- Watershed Stewards Program
- Wellwater and Groundwater Education
- Fact Sheet - Wild Blueberry
- Farm Energy Presentations/Events
- Farm Visits
- Farmer Meetings
- Farmer Seminars
- Farms for the Future
- Field Day - University of Maine Blueberry Hill Farm
- Field research
- Garden Club Presentations
- General Activities - Crop Production
- General Activities - Maine Livestock Industry
- General Activities - Pest Management
- General Activities - Home Horticulture
- Grass Farmers Network /Northeast Pasture Consortium
- Grower Site Visits
- Growing Tree Fruits in Maine
- Hazardous Waste Collection
- Hobby Orchard Consultations
- Hobby Orchard Presentations
- Home Gardening, Composting and Pest Management.
- Home Horticulture Activities
- Home Horticulture Presentations
- Integrated Pest Management
- IPM Related (publication)
- IR4 Residue/Efficacy Insecticide Trials
- IR4 Residue/Efficacy Trials
- Kids Can Grow
- Livestock Consultations
- Maine Agriculture Trades Show
- Maine Cattle Health Assurance Program
- Maine Cranberry Integrated Pest Management Guide
- Maine Potato Conference
- Maine Senior FarmShare
- Maine Tree Club Outing
- Maine Vegetable and Fruit School
- Master Gardener Program
- Meetings on Agriculture Business Management
- Meetings on Crop Production Practices
- New England Regional In-Service Training for Agricultural Service Providers
- New England Vegetable and Fruit Conference
- New England Vegetable Management Guide
- Newsletter - Apple Pest Report
- Newsletter - Pest Alert
- Newsletter - Strawberry Integrated Pest Management
- Newsletter - Sweet Corn Integrated Pest Management
- Newsletter - Wild Blueberry
- Nutrient Management
- On-Farm research
- Organic Forage and Grain Cropping Systems
- Pasture Walk
- Pest Management Conference
- Pesticide Applicator Training

- Pesticide Applicator Training Educational Manuals
- Piscataquis Farming Newsletter
- Piscataquis Gardening Newsletter
- Plant Disease Diagnostics
- Plant-a-Row for the Hungry
- Potato Cropping Systems - Applied Research
- Potato Integrated Pest Management
- Potato Program Web site
- Public Presentations - Blueberries
- Regional Organic Dairy Project
- School Presentations - Pest Management
- Seminars and Training - Plant Disease Diagnostics
- Small Fruit and Vegetable Fact Sheets
- Small Fruit and Vegetable Variety and Production Trials
- Solar Collection for Hoop Houses and Green Houses
- Spring Wild Blueberry Meeting
- Sweet Corn Integrated Pest Management
- Sustainable Business Management Public Presentation
- Teacher Training - Entomology
- Tree Fruit Workshops and Demonstrations
- Vegetable Variety and Production Trials Agriculture
- Wild Blueberry Farmer Site Visits
- Wild Blueberry Integrated Crop Management

## **2. Brief description of the target audience**

- 4-H Community or Project Clubs Participants (Youth)
- 4-H Leaders (Adult)
- 4-H Members (Youth)
- 4-H Members (Youth)
- 4-H Special Interest or Short-Term Program Participants (Youth)
- 4-H Volunteers (Adult)
- 4-H Volunteers (Youth)
- Agency Staff or Professionals (Adult)
- Agricultural Producers (Adult)
- Agricultural Workers (Adult)
- Beef Producers (Adult)
- Blueberry Growers (Adult)
- Business Owners - current (Adult)
- Commercial Apple Growers (Adult)
- Commercial Beef Producers (Adult)
- Commercial Cranberry Growers (Adult)
- Commercial Dairy Producers (Adult)
- Commercial Potato Growers (Adult)
- Commercial Poultry Producers (Adult)
- Commercial Sweet Corn Growers (Adult)
- Commercial Vegetable Growers (Adult)
- Community Members (Adult)
- Employees (Adult)
- Employees (Youth)
- Extension - staff (Adult)
- Extension Homemakers (Adult)
- Families (Adult)
- First-Time Gardeners (Adult)
- General Public (Adult)
- Green Industry Members (Adult)
- Greenhouse Operators (Adult)
- Home Gardeners (Adult)

- Home Gardeners (Adult)
- Homeowners (Adult)
- Limited Income Public (Adult)
- Master Gardener Trainees (Adult)
- Master Gardener Volunteers (Adult)
- Natural Resource Professional (Adult)
- Parent Educators (Adult)
- Parents (Adult)
- Pesticide Applicator Training Participants (Adult)
- Policy Makers (Adult)
- Radio Program Audience (Adult)
- School Administrators (Adult)
- Scientists (Adult)
- Student (Adult)
- Teachers (Adult)
- Veterinarians (Adult)
- Youth (Youth)

**V(E). Planned Program (Outputs)**

**1. Standard output measures**

2009	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Plan</b>	14600	20700	0	0
<b>Actual</b>	1360657	448999	6897	2145

**2. Number of Patent Applications Submitted (Standard Research Output)**  
**Patent Applications Submitted**

Year: 2009  
 Plan: 0  
 Actual: 0

**Patents listed**

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2009	Extension	Research	Total
<b>Plan</b>	0	0	
<b>Actual</b>	0	0	0

**V(F). State Defined Outputs**

**Output Target**

**Output #1**

**Output Measure**

- Direct - Public Presentation  
 Not reporting on this Output for this Annual Report

**Output #2**

**Output Measure**

- Direct - Group Presentation  
Not reporting on this Output for this Annual Report

**Output #3**

**Output Measure**

- Indirect - Website  
Not reporting on this Output for this Annual Report

**Output #4**

**Output Measure**

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

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	540	3018

**Output #5**

**Output Measure**

- Indirect - Publication - manual

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	3	23

**Output #6**

**Output Measure**

- Indirect - Publication - newsletter  
Not reporting on this Output for this Annual Report

**Output #7**

**Output Measure**

- Direct - Conference or symposium

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	104	113

**Output #8**

**Output Measure**

- Direct - Collaborative or Cooperative Effort

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	7	3826

**Output #9**

**Output Measure**

- Direct - Applied Research

Not reporting on this Output for this Annual Report

**Output #10**

**Output Measure**

- Direct - Train-the-Trainer

Not reporting on this Output for this Annual Report

**Output #11**

**Output Measure**

- Direct - Workshop - series

Not reporting on this Output for this Annual Report

**Output #12**

**Output Measure**

- Direct - Workshop - single session

Not reporting on this Output for this Annual Report

**Output #13**

**Output Measure**

- Indirect - Audio Visual resource

Year	Target	Actual
2009	15	14

**Output #14**

**Output Measure**

- Indirect - Applied Research

Year	Target	Actual
2009	12	19

**Output #15**

**Output Measure**

- Indirect - Publication - conference proceedings

Not reporting on this Output for this Annual Report

**Output #16**

**Output Measure**

- Direct - 4-H Club, Camp, Project, Program

Year	Target	Actual
2009	{No Data Entered}	13

**Output #17**

**Output Measure**

- Direct - Educational Programs or Projects



<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	3937

**Output #18****Output Measure**

- Direct - Scholarship

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	72

**Output #19****Output Measure**

- Direct - Train the Trainer or Volunteer Training

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	28

**Output #20****Output Measure**

- Indirect - Media and Internet

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	103177

**Output #21****Output Measure**

- Indirect - Professional, Peer-reviewed, or Refereed, Scholarship

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	1032

**Output #22****Output Measure**

- Indirect - Publication in the Popular Media

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	1103

**Output #23****Output Measure**

- Multiple-undefined delivery method

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	2684

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

<b>O. No.</b>	<b>OUTCOME NAME</b>
1	Adopt Integrated Pest Management strategies
2	Adopt and maintain integrated pest management strategies
3	Adopt appropriate handling and storage technologies
4	Adopt appropriate management strategies
5	Adopt appropriate pest management practices
6	Adopt appropriate practices
7	Adopt appropriate technologies
8	Adopt environmentally sound technologies that improve economic viability
9	Adopt new crop
10	Adopt practices that maintain long-term productivity
11	Adopt practices that maintain profitability
12	Develop environmentally sound technologies that improve economic viability
13	Evaluate and adopt nutrient sources, recycling and delivery systems that produce high quality crops
14	Evaluate new cropping systems
15	Evaluate the potential of new and non-traditional crops and varieties for profitable production in Maine
16	Grow new crop
17	Grow new variety
18	Improve Integrated Pest Management

19	Improve crop quality and marketability
20	Improve production and quality of crops
21	Improve soil health
22	Maintain Certified Crop Advisor Certification
23	Maintain nutrient management certification
24	Maintain pesticide applicator certification
25	Make appropriate cultivar choices
26	Make better decisions regarding pest management
27	Participate in the Maine grass farmer network
28	Test new crops
29	Test new production techniques
30	Test new varieties
31	Use relevant UMaine Extension web-based resources
32	Grow trialed plants
33	Increase crop production
34	Reduce the use of high-risk pesticides
35	Test new storage techniques
36	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
37	Enhance the safety, sustainability and dependability of Maine's food supply.
38	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.

39	Protect and enhance Maine's natural resources and environment through sustainable.
40	Acquire pesticide applicator certification
41	Adopt appropriate nutrient management strategies
42	Create jobs
43	Develop sustainable networks
44	Dollars saved
45	Enroll in and work with Farms for the Future
46	Expand Integrated Pest Management
47	Expand and enhance markets
48	Increase consumption of locally produced foods
49	Increase purchase of Maine products
50	Operate equipment safely
51	Use grasslands efficiently for feed and water quality protection
52	Use new technologies
53	Use pesticides safely
54	Adopt at least one energy saving practice
55	Adopt business management practices
56	Adopt environmentally sound practices
57	Be a mentor to other community organizations or groups
58	Complete volunteer commitment

59	Compost
60	Conduct community service or outreach
61	Create and sustain effective partnerships and collaborations
62	Decide not to create non-viable business
63	Develop a business plan
64	Develop a financial plan
65	Develop partnerships among organizations or groups
66	Engage in leadership development
67	Identify and respond to pest issues
68	Identify and respond to plant and animal disorders
69	Improve crop quality and marketability
70	Keep accurate records
71	Make better decisions using accurate records
72	Make informed decisions about the implementation of techniques that will reduce consumption of fossil fuels
73	Plant and harvest gardens
74	Pounds of food donated
75	Provide learning opportunities for groups or organizations
76	Reduce waste stream
77	Secure financing
78	Use non-chemical pest management practices

**Outcome #1**

**1. Outcome Measures**

Adopt Integrated Pest Management strategies

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	30	2790

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
133	Pollution Prevention and Mitigation
205	Plant Management Systems
215	Biological Control of Pests Affecting Plants
216	Integrated Pest Management Systems
502	New and Improved Food Products
721	Insects and Other Pests Affecting Humans

**Outcome #2**

**1. Outcome Measures**

Adopt and maintain integrated pest management strategies

Not Reporting on this Outcome Measure

**Outcome #3****1. Outcome Measures**

Adopt appropriate handling and storage technologies

Not Reporting on this Outcome Measure

**Outcome #4****1. Outcome Measures**

Adopt appropriate management strategies

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	810	574

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

Alternative Bedding Saves Money on Dairy Farms: For many years, livestock producers have relied on wood by-products, such as sawdust and shavings, as their primary source of bedding material. Recently, the closing of sawmills and an increase in the use of these by-products for the generation of heat and electricity have drastically reduced supplies and increased the prices paid for these materials by farmers.

**What has been done**

A new paper-based bedding product developed by a recycling facility in Maine was tested as an alternative to wood by-product bedding for dairy cattle. In partnership with UMaine researchers, we compared the bacterial loads in this new product to traditional bedding. Research results were shared at an open house for dairy farmers and industry representatives, and published in an online journal.

**Results**

Results showed that bacteria levels in the product were similar to other products and therefore posed no greater risk of mastitis. As a result, 27 Maine dairy farms are now using the paper-based bedding product to replace wood by-product bedding. At savings of approximately 50 percent, Maine producers saved about \$4,000 per farm, or about \$108,000 overall in 2009.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
102	Soil, Plant, Water, Nutrient Relationships
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management

133	Pollution Prevention and Mitigation
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants
205	Plant Management Systems
211	Insects, Mites, and Other Arthropods Affecting Plants
215	Biological Control of Pests Affecting Plants
216	Integrated Pest Management Systems
307	Animal Management Systems
315	Animal Welfare/Well-Being and Protection
721	Insects and Other Pests Affecting Humans

**Outcome #5**

**1. Outcome Measures**

Adopt appropriate pest management practices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	50	20

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
205	Plant Management Systems
211	Insects, Mites, and Other Arthropods Affecting Plants
215	Biological Control of Pests Affecting Plants
721	Insects and Other Pests Affecting Humans



**Outcome #6****1. Outcome Measures**

Adopt appropriate practices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	35	1066

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

Maple Grading School: Confusion about regulations and the grading processes for maple syrup exist due to inconsistencies in licensing and grading rules. The USDA has established standards for grading maple syrup. However, each state is allowed to adjust those standards through passage of statutes for syrup produced within their borders. This causes confusion, has the potential to reduce producer profits, and limits capacity to sell syrup and syrup products across states and internationally.

**What has been done**

UMaine Extension worked with the University of Vermont and the Canadian syrup industry to develop an innovative curriculum for consistent grading and best management for producers. The Maple Grading School was established in 2004 and more than 110 maple producers, packers, and USDA inspectors have attended. The School received the National Association of County Agricultural Agents Communication Award in 2007 and was the subject of an Associated Press article that received national distribution in 2009.

**Results**

Producers who attended the Maple Grading School learned and implemented specific grading skills that enabled them to produce more uniform, consistent, and valuable maple syrup and value-added maple products. By sending employees to the Maple Grading School, one large Vermont packer was able realize a reduction in violations for quality or grading, down from 70 violations in 2004 to only four in 2006. This significant reduction not only saved money but improved the reputation of the packer, its brand, and ultimately increased sales. Our evaluations show that approximately 75 percent of participants have saved money, increased sales, reduced costs, and increased profits from between 10 and 70 percent, or an estimated \$1.4 million.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
101	Appraisal of Soil Resources
102	Soil, Plant, Water, Nutrient Relationships
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
205	Plant Management Systems

211	Insects, Mites, and Other Arthropods Affecting Plants
215	Biological Control of Pests Affecting Plants
216	Integrated Pest Management Systems
302	Nutrient Utilization in Animals
307	Animal Management Systems
315	Animal Welfare/Well-Being and Protection
502	New and Improved Food Products
721	Insects and Other Pests Affecting Humans

## **Outcome #7**

### **1. Outcome Measures**

Adopt appropriate technologies

### **2. Associated Institution Types**

- 1862 Extension

### **3a. Outcome Type:**

Change in Action Outcome Measure

### **3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	470	1295

### **3c. Qualitative Outcome or Impact Statement**

#### **Issue (Who cares and Why)**

Baitfish Certification Program: Recent outbreaks of Viral Hemorrhagic Septicemia (VHS) have impacted baitfish shipments nationwide. Arkansas has a thriving baitfish industry that services a national market. Farmed baitfish must be certified as healthy by state regulators in order to be sold within or beyond state borders, and must be inspected using protocols approved by USDA/APHIS. Since 1996, the industry's inspections have been conducted by the University of Arkansas at Pine Bluff (UAPB).

#### **What has been done**

In 2008, APHIS and the National Veterinary Service Lab required that UAPB revise its inspection protocols to higher standards or lose accreditation. In 2009, a collaborative agreement was established between the UAPB and UMaine Extension's Animal Health Laboratory to develop new protocols to meet the higher standards. The work also helped to establish protocols as a model for other laboratories and regional aquaculture industries.

#### **Results**

Development and approval of aquatic animal health testing protocols is a difficult process that entails specific knowledge of regulatory structures and accreditation processes. The process we designed for UAPB was customized to work within their current structure and facilities, and within their current laboratory practices. Our process was submitted to the APHIS Veterinary Services Laboratory in Ames, Iowa. Final approval is still pending, but preliminary approval has been given with very few revisions requested. Thanks to the successful certification program, Arkansas farmers have been able to demonstrate freedom from VHS and increase their market share, protecting and enhancing an industry worth more than \$167 million annually to the Arkansas economy.

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
101	Appraisal of Soil Resources
102	Soil, Plant, Water, Nutrient Relationships
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation
205	Plant Management Systems
211	Insects, Mites, and Other Arthropods Affecting Plants
215	Biological Control of Pests Affecting Plants
216	Integrated Pest Management Systems
302	Nutrient Utilization in Animals
307	Animal Management Systems
311	Animal Diseases
315	Animal Welfare/Well-Being and Protection
502	New and Improved Food Products
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices
721	Insects and Other Pests Affecting Humans

**Outcome #8**

**1. Outcome Measures**

Adopt environmentally sound technologies that improve economic viability

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	45	28

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

#### 4. Associated Knowledge Areas

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
205	Plant Management Systems
307	Animal Management Systems
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

#### Outcome #9

##### 1. Outcome Measures

Adopt new crop

Not Reporting on this Outcome Measure

#### Outcome #10

##### 1. Outcome Measures

Adopt practices that maintain long-term productivity

##### 2. Associated Institution Types

- 1862 Extension

##### 3a. Outcome Type:

Change in Action Outcome Measure

##### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	985	131

##### 3c. Qualitative Outcome or Impact Statement

###### **Issue (Who cares and Why)**

Apple Diseases in a Challenging Year: Apple Scab and Fire Blight are diseases that can damage apple crops and destroy orchards. In 2009, unusual weather gave rise to conditions that encouraged the worst outbreak of bacterial Fire Blight in the past 21 years. Fire blight is a disease that does not just ruin an annual crop, it kills trees and can destroy an entire orchard in a matter of days. Apple scab is the most prevalent recurring disease in Maine apple orchards. It is caused by a fungal pathogen and is especially difficult to control during rainy weather.

###### **What has been done**

The UMaine Extension Apple Integrated Pest Management Program assisted growers in correctly identifying Fire Blight and taking proper sanitation measures to limit further spread. By helping apple growers identify the timing, relative severity, and control measures for Apple Scab infection periods, we helped growers achieve excellent suppression, avoiding widespread crop losses.

**Results**

Tree losses to Fire Blight were minimal and inoculums levels for next year's crop were suppressed. Tree fruit growers throughout Maine now understand how to prevent and manage Fire Blight infections should weather conditions once again favor this disease. While Apple Scab was able to persist on leaves, the epidemic was adequately suppressed due to early detection, leading to an excellent quality fall crop. Overall, the value of our work in identifying, preventing, and managing threats to Maine's apple crop is estimated to be a minimum of \$800,000 or five percent of a \$16 million crop.

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
111	Conservation and Efficient Use of Water
205	Plant Management Systems
307	Animal Management Systems
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices

**Outcome #11****1. Outcome Measures**

Adopt practices that maintain profitability

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	905	441

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

Alternatives to Antibiotics in Treating Mastitis: Mastitis (teat infection) is a major health risk to dairy cattle and devastating to organic dairy operations. Mastitis can be traced to infection from organisms found on bedding, in feces, or on skin. Conventional prevention includes antibiotic treatment and control of contamination. UMaine Extension is engaged in research to find an alternative to antibiotics. Based on work in Sweden, this project explores development of a teat dip using beneficial microorganisms that may augment the cow's natural defenses.

**What has been done**

Our studies showed that specific "normal flora" bacteria living on healthy teat skin of lactating cows are capable of preventing mastitis due to abnormal (pathogenic) bacteria, such as Staph aureus or E. coli. We are doing further tests to find a way to augment the antimicrobial activity of normal teat flora in lactating cattle.

**Results**

The role of the naturally occurring flora of the teat skin may be important in repelling new infections. That flora, if augmented following each milking, might help form a defense against disease-producing microorganisms. In our study, we successfully chronicled a number of naturally occurring flora on the healthy cow's teat skin. From this group of organisms, we selected a prospective candidate that will grow well in culture, form a protective layer, and act to slow disease-producing microbial growth. This will form the basis of the next set of studies to evaluate an application method and use of the beneficial microorganism applied as a post milking preventative treatment and alternative to antibiotics.

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
205	Plant Management Systems
307	Animal Management Systems
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices

**Outcome #12**

**1. Outcome Measures**

Develop environmentally sound technologies that improve economic viability

Not Reporting on this Outcome Measure

**Outcome #13**

**1. Outcome Measures**

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

Not Reporting on this Outcome Measure

**Outcome #14**

**1. Outcome Measures**

Evaluate new cropping systems

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	55	33

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation
205	Plant Management Systems
215	Biological Control of Pests Affecting Plants
216	Integrated Pest Management Systems
307	Animal Management Systems
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**Outcome #15**

**1. Outcome Measures**

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

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	63	218

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
205	Plant Management Systems

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

**Outcome #16**

**1. Outcome Measures**

Grow new crop

Not Reporting on this Outcome Measure

**Outcome #17**

**1. Outcome Measures**

Grow new variety

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	114	10

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
205	Plant Management Systems
502	New and Improved Food Products
602	Business Management, Finance, and Taxation



**Outcome #18**

**1. Outcome Measures**

Improve Integrated Pest Management

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	500	1256

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
205	Plant Management Systems
216	Integrated Pest Management Systems

**Outcome #19**

**1. Outcome Measures**

Improve crop quality and marketability

Not Reporting on this Outcome Measure

**Outcome #20**

**1. Outcome Measures**

Improve production and quality of crops

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	105	10

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

Farming and Gardening, The Value of Asking: People routinely contact UMaine Extension by telephone, email, or by stopping into a County office to ask a simple question about farming or gardening. In fact, we answer tens of thousands of simple questions every year. These people are in need of reliable information to address their challenges in producing food, managing pest problems, raising animals, or saving money.

**What has been done**

We recently followed up with a sample of 34 of these clients to determine the ways in which our answers were helpful, and the value they attributed to the information they were given.

**Results**

Almost everyone (97 percent of those surveyed) found the information we supplied to be helpful in solving their problems. In fact, people saved money as a result of asking for help: 53 percent (18) benefited economically by growing more or better food, experiencing less pest damage, using fewer pesticides, or saving or making money. When asked how much they had saved or made, 67 percent (12) said up to \$100, 22 percent (4) said between \$250-\$500, and 11 percent (2) said more than \$500. Using these statistics, we can assume that for every 1,000 inquiries to our offices there is an average of \$113,800 in economic benefits directly back to clients. One client who participated in this evaluation said: "I couldn't farm without you. I have learned how to spray less and am now 99 percent organic. Extension's advice about pasture grasses have helped eliminate years of trial and error."

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
102	Soil, Plant, Water, Nutrient Relationships
205	Plant Management Systems
216	Integrated Pest Management Systems
601	Economics of Agricultural Production and Farm Management

**Outcome #21**

**1. Outcome Measures**

Improve soil health

Not Reporting on this Outcome Measure

**Outcome #22**

**1. Outcome Measures**

Maintain Certified Crop Advisor Certification

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	70	69

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
205	Plant Management Systems
216	Integrated Pest Management Systems
602	Business Management, Finance, and Taxation

**Outcome #23**

**1. Outcome Measures**

Maintain nutrient management certification

Not Reporting on this Outcome Measure

**Outcome #24**

**1. Outcome Measures**

Maintain pesticide applicator certification

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	85	3772

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
205	Plant Management Systems
216	Integrated Pest Management Systems

**Outcome #25**

**1. Outcome Measures**

Make appropriate cultivar choices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	60	63

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation
205	Plant Management Systems
216	Integrated Pest Management Systems

**Outcome #26**

**1. Outcome Measures**

Make better decisions regarding pest management

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	1215	2866

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation
205	Plant Management Systems
215	Biological Control of Pests Affecting Plants
216	Integrated Pest Management Systems
721	Insects and Other Pests Affecting Humans

**Outcome #27**

**1. Outcome Measures**

Participate in the Maine grass farmer network

Not Reporting on this Outcome Measure

**Outcome #28**

**1. Outcome Measures**

Test new crops

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	50	7

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
205	Plant Management Systems
502	New and Improved Food Products

**Outcome #29**

**1. Outcome Measures**

Test new production techniques

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	120	16

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
205	Plant Management Systems
307	Animal Management Systems
602	Business Management, Finance, and Taxation

**Outcome #30**

**1. Outcome Measures**

Test new varieties

Not Reporting on this Outcome Measure

**Outcome #31**

**1. Outcome Measures**

Use relevant UMaine Extension web-based resources

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
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2009

5770

280814

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
101	Appraisal of Soil Resources
102	Soil, Plant, Water, Nutrient Relationships
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants
205	Plant Management Systems
211	Insects, Mites, and Other Arthropods Affecting Plants
215	Biological Control of Pests Affecting Plants
216	Integrated Pest Management Systems
302	Nutrient Utilization in Animals
307	Animal Management Systems
311	Animal Diseases
315	Animal Welfare/Well-Being and Protection
502	New and Improved Food Products
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices
704	Nutrition and Hunger in the Population
721	Insects and Other Pests Affecting Humans

**Outcome #32**

**1. Outcome Measures**

Grow trialed plants

Not Reporting on this Outcome Measure



### **Outcome #33**

#### **1. Outcome Measures**

Increase crop production

Not Reporting on this Outcome Measure

### **Outcome #34**

#### **1. Outcome Measures**

Reduce the use of high-risk pesticides

Not Reporting on this Outcome Measure

### **Outcome #35**

#### **1. Outcome Measures**

Test new storage techniques

Not Reporting on this Outcome Measure

### **Outcome #36**

#### **1. Outcome Measures**

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

#### **2. Associated Institution Types**

- 1862 Extension

#### **3a. Outcome Type:**

Change in Condition Outcome Measure

#### **3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	0	0

#### **3c. Qualitative Outcome or Impact Statement**

##### **Issue (Who cares and Why)**

Maine Agriculture in the Classroom (MAITC): This program promotes an improved understanding of agriculture and natural resources among students, educators, and the general public. Since its establishment in 1987, its outreach has been positive but limited due to funding.

##### **What has been done**

UMaine Extension partners with MAITC in multiple ways. As a component of our legislatively mandated leadership within MAITC, an Extension staff member designed a specialty license plate that promotes Maine agriculture, a portion of the sale of which benefits MAITC. Beginning in October 2007 the plates were made available to the public and, according to the Secretary of State, they are the best selling specialty license plate in Maine.

### Results

The infusion of revenue from license plate sales has enabled MAITC to hire a permanent director, develop a grants program for agricultural education projects in Maine, and begin an endowment fund for safeguarding MAITC's future. The result is a strengthened array of core programs, such as the popular Summer Teacher's Institute. Programs and agricultural curricula trainings conducted in partnership with UMaine Extension faculty and staff have enabled more than 150 Maine K-12 educators and 15,000 Maine students, annually, to increase their understanding and awareness of Maine agriculture and the source of their food and fiber. After attending the summer institute in 2009 one teacher commented, "This has been, without question, the best workshop I've been involved with in my teaching career!"

## 4. Associated Knowledge Areas

KA Code	Knowledge Area
101	Appraisal of Soil Resources
102	Soil, Plant, Water, Nutrient Relationships
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
205	Plant Management Systems

### Outcome #37

#### 1. Outcome Measures

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

Not Reporting on this Outcome Measure

### Outcome #38

#### 1. Outcome Measures

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

Not Reporting on this Outcome Measure

### Outcome #39

#### 1. Outcome Measures

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

Not Reporting on this Outcome Measure

**Outcome #40**

**1. Outcome Measures**

Acquire pesticide applicator certification

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	0	996

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
102	Soil, Plant, Water, Nutrient Relationships
133	Pollution Prevention and Mitigation
205	Plant Management Systems
211	Insects, Mites, and Other Arthropods Affecting Plants
216	Integrated Pest Management Systems
601	Economics of Agricultural Production and Farm Management
721	Insects and Other Pests Affecting Humans

**Outcome #41**

**1. Outcome Measures**

Adopt appropriate nutrient management strategies

Not Reporting on this Outcome Measure

**Outcome #42**

**1. Outcome Measures**

Create jobs

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	10	99

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**Outcome #43**

**1. Outcome Measures**

Develop sustainable networks

Not Reporting on this Outcome Measure

**Outcome #44**

**1. Outcome Measures**

Dollars saved

Not Reporting on this Outcome Measure

**Outcome #45**

**1. Outcome Measures**

Enroll in and work with Farms for the Future

Not Reporting on this Outcome Measure

**Outcome #46**

**1. Outcome Measures**

Expand Integrated Pest Management

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	220	1283

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
112	Watershed Protection and Management
205	Plant Management Systems
211	Insects, Mites, and Other Arthropods Affecting Plants
215	Biological Control of Pests Affecting Plants
216	Integrated Pest Management Systems
721	Insects and Other Pests Affecting Humans

**Outcome #47**

**1. Outcome Measures**

Expand and enhance markets

Not Reporting on this Outcome Measure

**Outcome #48**

**1. Outcome Measures**

Increase consumption of locally produced foods

Not Reporting on this Outcome Measure

**Outcome #49**

**1. Outcome Measures**

Increase purchase of Maine products

Not Reporting on this Outcome Measure

**Outcome #50**

**1. Outcome Measures**

Operate equipment safely

Not Reporting on this Outcome Measure

**Outcome #51**

**1. Outcome Measures**

Use grasslands efficiently for feed and water quality protection

Not Reporting on this Outcome Measure

**Outcome #52**

**1. Outcome Measures**

Use new technologies

Not Reporting on this Outcome Measure

**Outcome #53**

**1. Outcome Measures**

Use pesticides safely

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	8	928

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation
205	Plant Management Systems
216	Integrated Pest Management Systems

**Outcome #54**

**1. Outcome Measures**

Adopt at least one energy saving practice

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	317

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
205	Plant Management Systems
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices

**Outcome #55**

**1. Outcome Measures**

Adopt business management practices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	335

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
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205	Plant Management Systems
307	Animal Management Systems
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices

**Outcome #56**

**1. Outcome Measures**

Adopt environmentally sound practices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	1824

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation
205	Plant Management Systems
216	Integrated Pest Management Systems
307	Animal Management Systems
502	New and Improved Food Products

**Outcome #57**

**1. Outcome Measures**

Be a mentor to other community organizations or groups

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	80

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation

**Outcome #58**

**1. Outcome Measures**

Complete volunteer commitment

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
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2009 {No Data Entered} 75

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation
315	Animal Welfare/Well-Being and Protection

**Outcome #59**

**1. Outcome Measures**

Compost

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	68

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
102	Soil, Plant, Water, Nutrient Relationships
133	Pollution Prevention and Mitigation
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants
205	Plant Management Systems

## 307 Animal Management Systems

**Outcome #60****1. Outcome Measures**

Conduct community service or outreach

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	3025

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation
216	Integrated Pest Management Systems
315	Animal Welfare/Well-Being and Protection

**Outcome #61****1. Outcome Measures**

Create and sustain effective partnerships and collaborations

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	97

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation
205	Plant Management Systems
216	Integrated Pest Management Systems
307	Animal Management Systems
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices

**Outcome #62**

**1. Outcome Measures**

Decide not to create non-viable business

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	9

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
205	Plant Management Systems
307	Animal Management Systems
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**Outcome #63**

**1. Outcome Measures**

Develop a business plan

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	{No Data Entered}	116

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
205	Plant Management Systems
307	Animal Management Systems
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**Outcome #64**

**1. Outcome Measures**

Develop a financial plan

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	49

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
205	Plant Management Systems
307	Animal Management Systems
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices

**Outcome #65**

**1. Outcome Measures**

Develop partnerships among organizations or groups

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	16

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation
205	Plant Management Systems
307	Animal Management Systems
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices

**Outcome #66**

**1. Outcome Measures**

Engage in leadership development

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	209

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**



#### 4. Associated Knowledge Areas

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices

#### Outcome #67

##### 1. Outcome Measures

Identify and respond to pest issues

##### 2. Associated Institution Types

- 1862 Extension

##### 3a. Outcome Type:

Change in Action Outcome Measure

##### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	{No Data Entered}	132405

##### 3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**

**What has been done**

**Results**

#### 4. Associated Knowledge Areas

KA Code	Knowledge Area
205	Plant Management Systems
211	Insects, Mites, and Other Arthropods Affecting Plants
216	Integrated Pest Management Systems
721	Insects and Other Pests Affecting Humans

**Outcome #68**

**1. Outcome Measures**

Identify and respond to plant and animal disorders

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	1562

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants
205	Plant Management Systems
211	Insects, Mites, and Other Arthropods Affecting Plants
215	Biological Control of Pests Affecting Plants
216	Integrated Pest Management Systems
307	Animal Management Systems
311	Animal Diseases
315	Animal Welfare/Well-Being and Protection
721	Insects and Other Pests Affecting Humans

**Outcome #69**

**1. Outcome Measures**

Improve crop quality and marketability

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	12

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
205	Plant Management Systems
216	Integrated Pest Management Systems
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices

**Outcome #70**

**1. Outcome Measures**

Keep accurate records

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	20

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation
205	Plant Management Systems
216	Integrated Pest Management Systems
307	Animal Management Systems
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices

**Outcome #71**

**1. Outcome Measures**

Make better decisions using accurate records

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	{No Data Entered}	20

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
205	Plant Management Systems
216	Integrated Pest Management Systems
307	Animal Management Systems
602	Business Management, Finance, and Taxation

**Outcome #72**

**1. Outcome Measures**

Make informed decisions about the implementation of techniques that will reduce consumption of fossil fuels

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	374

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation
205	Plant Management Systems
307	Animal Management Systems
602	Business Management, Finance, and Taxation

**Outcome #73**

**1. Outcome Measures**

Plant and harvest gardens

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	267

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
205	Plant Management Systems
602	Business Management, Finance, and Taxation

**Outcome #74**

**1. Outcome Measures**

Pounds of food donated

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	3548

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
205	Plant Management Systems
601	Economics of Agricultural Production and Farm Management

**Outcome #75****1. Outcome Measures**

Provide learning opportunities for groups or organizations

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	301

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
101	Appraisal of Soil Resources
102	Soil, Plant, Water, Nutrient Relationships
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants
205	Plant Management Systems
211	Insects, Mites, and Other Arthropods Affecting Plants
215	Biological Control of Pests Affecting Plants
216	Integrated Pest Management Systems
302	Nutrient Utilization in Animals
307	Animal Management Systems
311	Animal Diseases
315	Animal Welfare/Well-Being and Protection
502	New and Improved Food Products
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices

- 704 Nutrition and Hunger in the Population
- 721 Insects and Other Pests Affecting Humans

**Outcome #76**

**1. Outcome Measures**

Reduce waste stream

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	237

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation

**Outcome #77**

**1. Outcome Measures**

Secure financing

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure



**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	20

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
602	Business Management, Finance, and Taxation

**Outcome #78**

**1. Outcome Measures**

Use non-chemical pest management practices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	60

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation
205	Plant Management Systems

**V(H). Planned Program (External Factors)**

**External factors which affected outcomes**

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

**Brief Explanation**

**V(I). Planned Program (Evaluation Studies and Data Collection)**

1. Evaluation Studies Planned

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

**Evaluation Results**

**Key Items of Evaluation**

**V(A). Planned Program (Summary)****Program # 2****1. Name of the Planned Program**

Climate Change

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

<b>KA Code</b>	<b>Knowledge Area</b>	<b>%1862 Extension</b>	<b>%1890 Extension</b>	<b>%1862 Research</b>	<b>%1890 Research</b>
101	Appraisal of Soil Resources	1%		1%	
111	Conservation and Efficient Use of Water	12%		12%	
112	Watershed Protection and Management	12%		12%	
123	Management and Sustainability of Forest Resources	9%		9%	
131	Alternative Uses of Land	1%		1%	
132	Weather and Climate	6%		6%	
134	Outdoor Recreation	9%		9%	
135	Aquatic and Terrestrial Wildlife	4%		4%	
136	Conservation of Biological Diversity	4%		4%	
403	Waste Disposal, Recycling, and Reuse	14%		14%	
724	Healthy Lifestyle	13%		13%	
801	Individual and Family Resource Management	13%		13%	
901	Program and Project Design, and Statistics	2%		2%	
	<b>Total</b>	100%		100%	

**V(C). Planned Program (Inputs)****1. Actual amount of professional FTE/SYs expended this Program**

<b>Year: 2009</b>	<b>Extension</b>		<b>Research</b>	
	<b>1862</b>	<b>1890</b>	<b>1862</b>	<b>1890</b>
Plan	4.4	0.0	0.3	0.0
Actual	6.2	0.0	0.4	0.0

**2. Actual dollars expended in this Program (includes Carryover Funds from previous years)**

Extension		Research	
<b>Smith-Lever 3b &amp; 3c</b> 143386	<b>1890 Extension</b> 0	<b>Hatch</b> 0	<b>Evans-Allen</b> 0
<b>1862 Matching</b> 483754	<b>1890 Matching</b> 0	<b>1862 Matching</b> 0	<b>1890 Matching</b> 0
<b>1862 All Other</b> 513089	<b>1890 All Other</b> 0	<b>1862 All Other</b> 0	<b>1890 All Other</b> 0

**V(D). Planned Program (Activity)****1. Brief description of the Activity**

- 4-H Day School Programs
- 4-H Earth Connections - School Programs
- 4-H Earth Connections Summer Residential Camp
- Bryant Pond 4-H Camp
- Consumer alternative energy activities
- Consumer Energy General Activities
- Environmental Education
- eXtension &dash Support for Wildlife damage Management Community of Practice
- General Activities - Sustainable Living
- General Activities - Watershed Management
- Green Camp Certification
- Implementing Environmental Sustainability Education
- Outreach Planning for Lake Groups Training
- Seacoast Sustainability Team
- Sustainable Living Public presentations and displays
- Sustainable Living Workshops
- Tanglewood 4-H Camp and Learning Center
- Vaughn Island 4-H Environmental Camp
- Watershed Management Public Presentation
- Watershed Planning with Municipalities
- Watershed Stewards Program
- Wellwater and Groundwater Education

**2. Brief description of the target audience**

- 4-H Community or Project Clubs Participants (Youth)
- 4-H Leaders (Adult)
- 4-H Members (Youth)
- 4-H Special Interest or Short-Term Program Participants (Youth)
- 4-H Volunteers (Adult)
- Adults with Disabilities (Adults)
- Agency Staff or Professionals (Adult)
- Community Members (Adult)
- Extension - staff (Adult)
- Extension Professionals (Adult)
- General Public (Adult)
- Homeowners (Adult)
- Scientists (Adult)
- School Enrichment Program Participants (Youth)
- Students (Youth)
- Volunteers (Adult)
- Volunteers (Youth)

- Watershed Stewards (Adult)
- Youth (Youth)

**V(E). Planned Program (Outputs)**

**1. Standard output measures**

2009	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Plan</b>	1500	400	4850	100
<b>Actual</b>	1660	42	9039	0

**2. Number of Patent Applications Submitted (Standard Research Output)**

**Patent Applications Submitted**

Year: 2009  
 Plan: 0  
 Actual: 0

**Patents listed**

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2009	Extension	Research	Total
<b>Plan</b>	0	0	
<b>Actual</b>	0	0	0

**V(F). State Defined Outputs**

**Output Target**

**Output #1**

**Output Measure**

- Direct - 4-H Overnight Camp  
 Not reporting on this Output for this Annual Report

**Output #2**

**Output Measure**

- Direct - 4-H Day Camp  
 Not reporting on this Output for this Annual Report

**Output #3**

**Output Measure**

- Direct - Demonstration Project  
 Not reporting on this Output for this Annual Report

**Output #4**

**Output Measure**

- Direct - Management teams

Year	Target	Actual
2009	15	8

**Output #5**

**Output Measure**

- Direct - 4-H School Enrichment  
Not reporting on this Output for this Annual Report

**Output #6**

**Output Measure**

- Direct - Collaborative or Cooperative Effort  
Not reporting on this Output for this Annual Report

**Output #7**

**Output Measure**

- Direct - Experiential Learning  
Not reporting on this Output for this Annual Report

**Output #8**

**Output Measure**

- Direct - 4-H Club, Camp, Project, Program

Year	Target	Actual
2009	{No Data Entered}	2031

**Output #9**

**Output Measure**

- Direct - Conference/Symposium

Year	Target	Actual
2009	{No Data Entered}	5

**Output #10**

**Output Measure**

- Direct - Educational Programs or Projects

Year	Target	Actual
2009	{No Data Entered}	201

**Output #11**

**Output Measure**

- Multiple-undefined delivery method

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	49

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

<b>O. No.</b>	<b>OUTCOME NAME</b>
1	Develop skills that promote healthy relationships
2	Increase use of Maine-produced natural resources
3	Make better decision regarding natural resource management
4	Make better decisions regarding healthy lifestyle
5	Organize community coalitions and working groups
6	Promote healthy relationships
7	Protect or conserve biodiversity and habitat including native plant and animal species
8	Use new technologies
9	Adopt appropriate practices
10	Adopt environmentally sound practices
11	Adopt lower impact lifestyles
12	Conduct community service or outreach
13	Create and sustain effective partnerships and collaborations
14	Create demonstration model
15	Create learning opportunities based on principles of positive human development
16	Develop a sense of belonging to a community
17	Develop environmentally sound technologies and practices
18	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.



19	Protect and enhance Maine's natural resources and environment through sustainable.
20	Secure resources
21	Support and mentor others in leadership roles
22	Use services of natural resource professionals
23	Describe resources available form, and services provided by, natural resource professionals
24	Conduct a demonstration, tour, or talk
25	Engage positively in their community
26	Address water quality issues when making land and water use and planning decisions
27	Adopt Self Reliance and/or Sustainable Living policies or practices as individuals or families
28	Adopt Sustainable Living policies or practices as organizations
29	Conduct a watershed survey
30	Identify and remediate pollution sources
31	Identify and solve problems using science and technology skills
32	Identify pollution sources
33	Increase consumption of locally grown food
34	Install or enhance conservation plantings using primarily native plants
35	Integrate regular physical activity into daily life
36	Teach others about living more sustainably
37	Work productively in a team

## Outcome #1

### 1. Outcome Measures

Develop skills that promote healthy relationships

### 2. Associated Institution Types

- 1862 Extension

### 3a. Outcome Type:

Change in Action Outcome Measure

### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	1560	2718

### 3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**

**What has been done**

**Results**

### 4. Associated Knowledge Areas

KA Code	Knowledge Area
724	Healthy Lifestyle

## Outcome #2

### 1. Outcome Measures

Increase use of Maine-produced natural resources

Not Reporting on this Outcome Measure

## Outcome #3

### 1. Outcome Measures

Make better decision regarding natural resource management

Not Reporting on this Outcome Measure

#### Outcome #4

##### 1. Outcome Measures

Make better decisions regarding healthy lifestyle

##### 2. Associated Institution Types

- 1862 Extension

##### 3a. Outcome Type:

Change in Action Outcome Measure

##### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	700	10876

##### 3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

##### 4. Associated Knowledge Areas

KA Code	Knowledge Area
724	Healthy Lifestyle

#### Outcome #5

##### 1. Outcome Measures

Organize community coalitions and working groups

Not Reporting on this Outcome Measure

#### Outcome #6

##### 1. Outcome Measures

Promote healthy relationships

##### 2. Associated Institution Types

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	25	2066

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle

**Outcome #7**

**1. Outcome Measures**

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

Not Reporting on this Outcome Measure

**Outcome #8**

**1. Outcome Measures**

Use new technologies

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	110	153

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
123	Management and Sustainability of Forest Resources
134	Outdoor Recreation
135	Aquatic and Terrestrial Wildlife
136	Conservation of Biological Diversity
403	Waste Disposal, Recycling, and Reuse
724	Healthy Lifestyle

**Outcome #9**

**1. Outcome Measures**

Adopt appropriate practices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	20	1066

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management

123	Management and Sustainability of Forest Resources
134	Outdoor Recreation
135	Aquatic and Terrestrial Wildlife
136	Conservation of Biological Diversity
403	Waste Disposal, Recycling, and Reuse
724	Healthy Lifestyle
801	Individual and Family Resource Management

**Outcome #10**

**1. Outcome Measures**

Adopt environmentally sound practices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	1750	1824

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
123	Management and Sustainability of Forest Resources
403	Waste Disposal, Recycling, and Reuse
724	Healthy Lifestyle

**Outcome #11**

**1. Outcome Measures**

Adopt lower impact lifestyles

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	730	969

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
123	Management and Sustainability of Forest Resources
134	Outdoor Recreation
724	Healthy Lifestyle
801	Individual and Family Resource Management

**Outcome #12**

**1. Outcome Measures**

Conduct community service or outreach

Not Reporting on this Outcome Measure

**Outcome #13**

**1. Outcome Measures**

Create and sustain effective partnerships and collaborations

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	25	97

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
801	Individual and Family Resource Management

**Outcome #14**

**1. Outcome Measures**

Create demonstration model

Not Reporting on this Outcome Measure

**Outcome #15**

**1. Outcome Measures**

Create learning opportunities based on principles of positive human development

**2. Associated Institution Types**



- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	700	1007

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle

**Outcome #16**

**1. Outcome Measures**

Develop a sense of belonging to a community

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	180	62

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

#### 4. Associated Knowledge Areas

KA Code	Knowledge Area
724	Healthy Lifestyle

##### Outcome #17

###### 1. Outcome Measures

Develop environmentally sound technologies and practices

Not Reporting on this Outcome Measure

##### Outcome #18

###### 1. Outcome Measures

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

Not Reporting on this Outcome Measure

##### Outcome #19

###### 1. Outcome Measures

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

Not Reporting on this Outcome Measure

##### Outcome #20

###### 1. Outcome Measures

Secure resources

Not Reporting on this Outcome Measure

##### Outcome #21

###### 1. Outcome Measures

Support and mentor others in leadership roles

###### 2. Associated Institution Types

- 1862 Extension

###### 3a. Outcome Type:

Change in Action Outcome Measure

### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	25	386

### 3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**

**What has been done**

**Results**

### 4. Associated Knowledge Areas

KA Code	Knowledge Area
134	Outdoor Recreation
724	Healthy Lifestyle

#### Outcome #22

##### 1. Outcome Measures

Use services of natural resource professionals

Not Reporting on this Outcome Measure

#### Outcome #23

##### 1. Outcome Measures

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

Not Reporting on this Outcome Measure

#### Outcome #24

##### 1. Outcome Measures

Conduct a demonstration, tour, or talk

Not Reporting on this Outcome Measure

#### Outcome #25

##### 1. Outcome Measures

Engage positively in their community

##### 2. Associated Institution Types

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	80	995

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
403	Waste Disposal, Recycling, and Reuse
724	Healthy Lifestyle
801	Individual and Family Resource Management

**Outcome #26**

**1. Outcome Measures**

Address water quality issues when making land and water use and planning decisions

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	18

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management

**Outcome #27**

**1. Outcome Measures**

Adopt Self Reliance and/or Sustainable Living policies or practices as individuals or families

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	2202

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
403	Waste Disposal, Recycling, and Reuse
801	Individual and Family Resource Management

**Outcome #28**

**1. Outcome Measures**

Adopt Sustainable Living policies or practices as organizations

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	21

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
403	Waste Disposal, Recycling, and Reuse
901	Program and Project Design, and Statistics

**Outcome #29**

**1. Outcome Measures**

Conduct a watershed survey

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	12

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

#### 4. Associated Knowledge Areas

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management

#### Outcome #30

##### 1. Outcome Measures

Identify and remediate pollution sources

##### 2. Associated Institution Types

- 1862 Extension

##### 3a. Outcome Type:

Change in Action Outcome Measure

##### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	{No Data Entered}	18

##### 3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**

**What has been done**

**Results**

#### 4. Associated Knowledge Areas

KA Code	Knowledge Area
112	Watershed Protection and Management
123	Management and Sustainability of Forest Resources
136	Conservation of Biological Diversity
403	Waste Disposal, Recycling, and Reuse

#### Outcome #31

##### 1. Outcome Measures

Identify and solve problems using science and technology skills

##### 2. Associated Institution Types

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	41

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
101	Appraisal of Soil Resources
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
123	Management and Sustainability of Forest Resources
131	Alternative Uses of Land
135	Aquatic and Terrestrial Wildlife
136	Conservation of Biological Diversity
403	Waste Disposal, Recycling, and Reuse

**Outcome #32**

**1. Outcome Measures**

Identify pollution sources

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	18



**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
112	Watershed Protection and Management
123	Management and Sustainability of Forest Resources
403	Waste Disposal, Recycling, and Reuse

**Outcome #33**

**1. Outcome Measures**

Increase consumption of locally grown food

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	235

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
801	Individual and Family Resource Management

**Outcome #34**

**1. Outcome Measures**

Install or enhance conservation plantings using primarily native plants

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	18

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
112	Watershed Protection and Management
123	Management and Sustainability of Forest Resources
131	Alternative Uses of Land
136	Conservation of Biological Diversity

**Outcome #35**

**1. Outcome Measures**

Integrate regular physical activity into daily life

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	952

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle

**Outcome #36**

**1. Outcome Measures**

Teach others about living more sustainably

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	2680

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
123	Management and Sustainability of Forest Resources
403	Waste Disposal, Recycling, and Reuse
724	Healthy Lifestyle
801	Individual and Family Resource Management

**Outcome #37**

**1. Outcome Measures**

Work productively in a team

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	1841

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
123	Management and Sustainability of Forest Resources
136	Conservation of Biological Diversity
403	Waste Disposal, Recycling, and Reuse
801	Individual and Family Resource Management

**V(H). Planned Program (External Factors)**

**External factors which affected outcomes**

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

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies and Data Collection)**

1. Evaluation Studies Planned

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

**Evaluation Results**

**Key Items of Evaluation**

**V(A). Planned Program (Summary)****Program # 3****1. Name of the Planned Program**

Sustainable Energy

**V(B). Program Knowledge Area(s)**

## 1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
111	Conservation and Efficient Use of Water	10%		10%	
112	Watershed Protection and Management	13%		13%	
123	Management and Sustainability of Forest Resources	5%		5%	
124	Urban Forestry	1%		1%	
125	Agroforestry	2%		2%	
133	Pollution Prevention and Mitigation	8%		8%	
134	Outdoor Recreation	1%		1%	
135	Aquatic and Terrestrial Wildlife	5%		5%	
136	Conservation of Biological Diversity	13%		13%	
403	Waste Disposal, Recycling, and Reuse	8%		8%	
605	Natural Resource and Environmental Economics	8%		8%	
608	Community Resource Planning and Development	8%		8%	
724	Healthy Lifestyle	10%		10%	
802	Human Development and Family Well-Being	4%		4%	
803	Sociological and Technological Change Affecting Individuals, Families, and Communities	4%		4%	
	<b>Total</b>	100%		100%	

**V(C). Planned Program (Inputs)**

## 1. Actual amount of professional FTE/SYs expended this Program

Year: 2009	Extension		Research	
	1862	1890	1862	1890
Plan	3.2	0.0	0.2	0.0
Actual	2.7	0.0	0.1	0.0

## 2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
<b>Smith-Lever 3b &amp; 3c</b> 122246	<b>1890 Extension</b> 0	<b>Hatch</b> 0	<b>Evans-Allen</b> 0
<b>1862 Matching</b> 428171	<b>1890 Matching</b> 0	<b>1862 Matching</b> 0	<b>1890 Matching</b> 0
<b>1862 All Other</b> 92115	<b>1890 All Other</b> 0	<b>1862 All Other</b> 0	<b>1890 All Other</b> 0

**V(D). Planned Program (Activity)****1. Brief description of the Activity**

- Consumer Energy Demonstrations
- Consumer Energy Related Publication
- Consumer Energy Website
- Energy Activities
- eXtension &dash Support for Home Energy Community of Practice
- Food System Education Programs
- Forestry and Wildlife Program Support and Networking
- Forestry and Wildlife Related (publication)
- General Activities - Sustainable Communities
- General Energy Conservation Activities
- Habitat Education for the Settled Landscape
- Large-scale community vision-to-action projects
- Non-timber Forest Products
- Public Issue education through facilitated community forums and conferences
- Public Issue Education
- Smart Growth Programming
- Sustainability Series

**2. Brief description of the target audience**

- Agency Staff or Professionals (Adult)
- Coastal Land Owners (Adult)
- Community Leaders (Adult)
- Community Members (Adult)
- Consumers (Adult)
- Extension Faculty (Adult)
- Families (Adult)
- Forestland Owner - Non-Industrial (Adult)
- General Public (Adult)
- Habitat Stewards (Adult)
- Homeowners (Adult)
- Master Gardener Trainees (Adult)
- Municipal Officials (Adult)
- Radio Program Audience (Adult)
- Youth (Youth)

**V(E). Planned Program (Outputs)****1. Standard output measures**

2009	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Plan</b>	5580	120276	42	0
<b>Actual</b>	1436	8076	210	105

## 2. Number of Patent Applications Submitted (Standard Research Output)

### Patent Applications Submitted

Year: 2009

Plan: 0

Actual: 0

### Patents listed

## 3. Publications (Standard General Output Measure)

### Number of Peer Reviewed Publications

2009	Extension	Research	Total
<b>Plan</b>	0	0	
<b>Actual</b>	0	0	0

### V(F). State Defined Outputs

#### Output Target

##### Output #1

#### Output Measure

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

Year	Target	Actual
2009	30	47

##### Output #2

#### Output Measure

- Direct - Course  
Not reporting on this Output for this Annual Report

##### Output #3

#### Output Measure

- Direct - Group Presentation  
Not reporting on this Output for this Annual Report

##### Output #4

#### Output Measure

- Direct - Public Presentation  
Not reporting on this Output for this Annual Report



**Output #5**

**Output Measure**

- Direct - Train-the-Trainer  
Not reporting on this Output for this Annual Report

**Output #6**

**Output Measure**

- Direct - Workshop - single session  
Not reporting on this Output for this Annual Report

**Output #7**

**Output Measure**

- Indirect - Publication  
Not reporting on this Output for this Annual Report

**Output #8**

**Output Measure**

- Indirect - Publication - fact sheet  
Not reporting on this Output for this Annual Report

**Output #9**

**Output Measure**

- Direct - Conference or Symposium

Year	Target	Actual
2009	{No Data Entered}	5

**Output #10**

**Output Measure**

- Direct - Educational Programs or Projects

Year	Target	Actual
2009	{No Data Entered}	1084

**Output #11**

**Output Measure**

- Indirect - Media and Internet

Year	Target	Actual
2009	{No Data Entered}	25

**Output #12**

**Output Measure**

- Indirect - Publication in the Popular Media

Year	Target	Actual
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2009	{No Data Entered}	10
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**Output #13**

**Output Measure**

- Multiple-undefined delivery method

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	117

## V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content	
O. No.	OUTCOME NAME
1	Adopt appropriate practices
2	Adopt appropriate technologies
3	Conduct community service or outreach
4	Improve cover or shelter for wildlife
5	Improve food availability for wildlife
6	Improve water availability for wildlife
7	Increase purchase of Maine products
8	Increase use of Maine-produced natural resources
9	Make better decision regarding natural resource management
10	Make better decisions using science and technology skills
11	Protect or conserve biodiversity and habitat including native plant and animal species
12	Reduce pesticide use
13	Start viable alternative enterprises based on sustainable use of natural resources (forest, marine, agriculture)
14	Use relevant UMCE web-based resources
15	Use services of natural resource professionals
16	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
17	Increase the economic and social viability and sustainability of Maine communities.
18	Protect and enhance Maine's natural resources and environment through sustainable stewardship.

O. No.	OUTCOME NAME
1	Adopt appropriate practices
2	Adopt appropriate technologies
3	Conduct community service or outreach
4	Improve cover or shelter for wildlife
5	Improve food availability for wildlife
6	Improve water availability for wildlife
7	Increase purchase of Maine products
8	Increase use of Maine-produced natural resources
9	Make better decision regarding natural resource management
10	Make better decisions using science and technology skills
11	Protect or conserve biodiversity and habitat including native plant and animal species
12	Reduce pesticide use
13	Start viable alternative enterprises based on sustainable use of natural resources (forest, marine, agriculture)
14	Use relevant UMCE web-based resources
15	Use services of natural resource professionals
16	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
17	Increase the economic and social viability and sustainability of Maine communities.
18	Protect and enhance Maine's natural resources and environment through sustainable stewardship.

19	Describe record keeping and record keeping systems
20	Acres managed as wildlife habitat
21	Adopt new crop
22	Create demonstration model
23	Develop a marketing plan
24	Develop marketing tools
25	Develop new products
26	Evaluate the potential of new and non-traditional crops and varieties for profitable production in Maine
27	Expand and enhance markets
28	Grow trialed plants
29	Increase demand for Maine products
30	Secure resources
31	Test new production techniques
32	Use new technologies
33	Improve crop quality and marketability
34	Increase profits by at least 10%
35	Adopt at least one energy saving practice
36	Develop environmentally sound technologies and practices
37	Make informed decisions about the implementation of techniques that will reduce consumption of fossil fuels
38	Promote municipal responsibility and action

39	Promote personal responsibility and action
40	Use relevant UMaine Extension web-based resources

**Outcome #1**

**1. Outcome Measures**

Adopt appropriate practices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	220	1066

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
112	Watershed Protection and Management
123	Management and Sustainability of Forest Resources
124	Urban Forestry
125	Agroforestry
134	Outdoor Recreation
135	Aquatic and Terrestrial Wildlife
136	Conservation of Biological Diversity
724	Healthy Lifestyle

**Outcome #2**

**1. Outcome Measures**

Adopt appropriate technologies

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	50	1295

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
112	Watershed Protection and Management
123	Management and Sustainability of Forest Resources
124	Urban Forestry
125	Agroforestry
134	Outdoor Recreation
135	Aquatic and Terrestrial Wildlife
136	Conservation of Biological Diversity
724	Healthy Lifestyle

**Outcome #3**

**1. Outcome Measures**

Conduct community service or outreach

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	40	3025

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
112	Watershed Protection and Management
123	Management and Sustainability of Forest Resources
133	Pollution Prevention and Mitigation
403	Waste Disposal, Recycling, and Reuse
608	Community Resource Planning and Development
724	Healthy Lifestyle
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #4**

**1. Outcome Measures**

Improve cover or shelter for wildlife

Not Reporting on this Outcome Measure

**Outcome #5**

**1. Outcome Measures**

Improve food availability for wildlife

Not Reporting on this Outcome Measure

## Outcome #6

### 1. Outcome Measures

Improve water availability for wildlife

Not Reporting on this Outcome Measure

## Outcome #7

### 1. Outcome Measures

Increase purchase of Maine products

Not Reporting on this Outcome Measure

## Outcome #8

### 1. Outcome Measures

Increase use of Maine-produced natural resources

Not Reporting on this Outcome Measure

## Outcome #9

### 1. Outcome Measures

Make better decision regarding natural resource management

### 2. Associated Institution Types

- 1862 Extension

### 3a. Outcome Type:

Change in Action Outcome Measure

### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	160	1029

### 3c. Qualitative Outcome or Impact Statement

#### **Issue (Who cares and Why)**

Facilitating the Power of the Wind: Maine is among the states most profoundly dependent on oil for home heating and transportation, and is consequently prioritizing the utilization of the Maine Coast as one of the highest-quality off-shore wind resources in the nation. The University of Maine is playing an important role by utilizing its technological and research capacity to harness wind to reduce the state's reliance on oil, and to help develop a Maine-based, off-shore wind industry.

In 2009, Maine's legislature directed the Department of Conservation and the State Planning Office to identify up to



five demonstration areas within Maine waters where wind technology could be tested and the environmental impacts could be assessed.

**What has been done**

In the summer of 2009, UMaine Extension facilitated planning sessions of State and University personnel, along with other statewide stakeholders, to create a public engagement strategy to help choose demonstration areas within the parameters set by the Legislature.

**Results**

UMaine Extension and the Maine Sea Grant program collaborated as facilitators for initial scoping sessions with fishermen, and environmental and community groups, to outline the process and solicit information for the selection of optimum demonstration sites. We also facilitated community information meetings in seven coastal locations, providing information about Maine's offshore wind resources, how the demonstration sites would be chosen, what activities would occur within those sites, and what would be the economic and environmental impacts from off-shore wind development. Meetings ended with a call for specific information that would lead the state to narrow potential sites to those that would cause the least disruption to maritime users, to fisheries, and to wildlife. This collective input was incorporated into the knowledge base and was used by the State to designate demonstration sites.

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
123	Management and Sustainability of Forest Resources
136	Conservation of Biological Diversity
605	Natural Resource and Environmental Economics
608	Community Resource Planning and Development

**Outcome #10**

**1. Outcome Measures**

Make better decisions using science and technology skills

Not Reporting on this Outcome Measure

**Outcome #11**

**1. Outcome Measures**

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

Not Reporting on this Outcome Measure

**Outcome #12**

**1. Outcome Measures**

Reduce pesticide use

Not Reporting on this Outcome Measure

### **Outcome #13**

#### **1. Outcome Measures**

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

Not Reporting on this Outcome Measure

### **Outcome #14**

#### **1. Outcome Measures**

Use relevant UMCE web-based resources

Not Reporting on this Outcome Measure

### **Outcome #15**

#### **1. Outcome Measures**

Use services of natural resource professionals

Not Reporting on this Outcome Measure

### **Outcome #16**

#### **1. Outcome Measures**

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

Not Reporting on this Outcome Measure

### **Outcome #17**

#### **1. Outcome Measures**

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

Not Reporting on this Outcome Measure

### **Outcome #18**

#### **1. Outcome Measures**

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

Not Reporting on this Outcome Measure

**Outcome #19**

**1. Outcome Measures**

Describe record keeping and record keeping systems

Not Reporting on this Outcome Measure

**Outcome #20**

**1. Outcome Measures**

Acres managed as wildlife habitat

Not Reporting on this Outcome Measure

**Outcome #21**

**1. Outcome Measures**

Adopt new crop

Not Reporting on this Outcome Measure

**Outcome #22**

**1. Outcome Measures**

Create demonstration model

Not Reporting on this Outcome Measure

**Outcome #23**

**1. Outcome Measures**

Develop a marketing plan

Not Reporting on this Outcome Measure

**Outcome #24**

**1. Outcome Measures**

Develop marketing tools

Not Reporting on this Outcome Measure

**Outcome #25**

**1. Outcome Measures**

Develop new products

Not Reporting on this Outcome Measure

**Outcome #26**

**1. Outcome Measures**

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

Not Reporting on this Outcome Measure

**Outcome #27**

**1. Outcome Measures**

Expand and enhance markets

Not Reporting on this Outcome Measure

**Outcome #28**

**1. Outcome Measures**

Grow trialed plants

Not Reporting on this Outcome Measure

**Outcome #29**

**1. Outcome Measures**

Increase demand for Maine products

Not Reporting on this Outcome Measure

**Outcome #30**

**1. Outcome Measures**

Secure resources

Not Reporting on this Outcome Measure

**Outcome #31**

**1. Outcome Measures**

Test new production techniques

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	5	16

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
123	Management and Sustainability of Forest Resources
125	Agroforestry

**Outcome #32**

**1. Outcome Measures**

Use new technologies

Not Reporting on this Outcome Measure

**Outcome #33**

**1. Outcome Measures**

Improve crop quality and marketability

Not Reporting on this Outcome Measure

**Outcome #34**

**1. Outcome Measures**

Increase profits by at least 10%

Not Reporting on this Outcome Measure

**Outcome #35**

**1. Outcome Measures**

Adopt at least one energy saving practice

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	317

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
124	Urban Forestry
133	Pollution Prevention and Mitigation
403	Waste Disposal, Recycling, and Reuse
605	Natural Resource and Environmental Economics
608	Community Resource Planning and Development
724	Healthy Lifestyle
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #36**

**1. Outcome Measures**

Develop environmentally sound technologies and practices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	155

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
112	Watershed Protection and Management
123	Management and Sustainability of Forest Resources
133	Pollution Prevention and Mitigation
136	Conservation of Biological Diversity
403	Waste Disposal, Recycling, and Reuse
608	Community Resource Planning and Development

**Outcome #37**

**1. Outcome Measures**

Make informed decisions about the implementation of techniques that will reduce consumption of fossil fuels

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	374

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
133	Pollution Prevention and Mitigation
605	Natural Resource and Environmental Economics
608	Community Resource Planning and Development
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #38**

**1. Outcome Measures**

Promote municipal responsibility and action

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	103

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**



#### 4. Associated Knowledge Areas

KA Code	Knowledge Area
133	Pollution Prevention and Mitigation
403	Waste Disposal, Recycling, and Reuse
608	Community Resource Planning and Development
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

#### Outcome #39

##### 1. Outcome Measures

Promote personal responsibility and action

##### 2. Associated Institution Types

- 1862 Extension

##### 3a. Outcome Type:

Change in Action Outcome Measure

##### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	{No Data Entered}	57

##### 3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**

**What has been done**

**Results**

#### 4. Associated Knowledge Areas

KA Code	Knowledge Area
133	Pollution Prevention and Mitigation
403	Waste Disposal, Recycling, and Reuse
608	Community Resource Planning and Development
724	Healthy Lifestyle
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #40****1. Outcome Measures**

Use relevant UMaine Extension web-based resources

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	280814

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
123	Management and Sustainability of Forest Resources
124	Urban Forestry
125	Agroforestry
133	Pollution Prevention and Mitigation
134	Outdoor Recreation
135	Aquatic and Terrestrial Wildlife
136	Conservation of Biological Diversity
403	Waste Disposal, Recycling, and Reuse
605	Natural Resource and Environmental Economics
608	Community Resource Planning and Development
724	Healthy Lifestyle
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

## **V(H). Planned Program (External Factors)**

### **External factors which affected outcomes**

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

### **Brief Explanation**

## **V(I). Planned Program (Evaluation Studies and Data Collection)**

### **1. Evaluation Studies Planned**

- Retrospective (post program)
- Before-After (before and after program)
- Comparisons between program participants (individuals, group, organizations) and non-participants
- Comparisons between different groups of individuals or program participants experiencing different levels of program intensity.

### **Evaluation Results**

### **Key Items of Evaluation**

**V(A). Planned Program (Summary)**

**Program # 4**

**1. Name of the Planned Program**

Childhood Obesity

**V(B). Program Knowledge Area(s)**

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
703	Nutrition Education and Behavior	50%		50%	
724	Healthy Lifestyle	20%		20%	
802	Human Development and Family Well-Being	20%		20%	
803	Sociological and Technological Change Affecting Individuals, Families, and Communities	10%		10%	
<b>Total</b>		100%		100%	

**V(C). Planned Program (Inputs)**

1. Actual amount of professional FTE/SYs expended this Program

Year: 2009	Extension		Research	
	1862	1890	1862	1890

Actual	6.3	0.0	0.5	0.0
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2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
61100	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
145854	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
530239	0	0	0

**V(D). Planned Program (Activity)**

1. Brief description of the Activity

- 4-H Civil Rights Team
- 4-H Club Program
- Building the Capacity of Parenting Educators
- Cooking for a Crowd
- Diabetes: Eating Matters

- Dietary Guidelines for Americans
- eXtension &dash Support for Food, Families and Fitness Community of Practice
- MyPyramid Food Guidance System Presentations
- Eat Well Newsletter
- EFNEP Food Resource Management
- EFNEP Nutrition Practices
- EFNEP Physical Activity
- General Activities - Healthy Lifestyles
- Healthy Lifestyle Activities for Youth
- Maine Family Nutrition Program
- Methods of Cooking For Health
- Prevention of youth overweight
- Wellness Sessions

**2. Brief description of the target audience**

- 4-H Community or Project Clubs Participants (Youth)
- 4-H Leaders (Adult)
- 4-H Members (Youth)
- Agency Staff or Professionals (Adult)
- Community Leaders (Adult)
- Community Members (Adult)
- Community Organization Members or Staff (Adult)
- General Public (Youth)
- Limited Income Public (Adult)
- Limited Income Public (Youth)
- Native Americans (Adult)
- Native Americans (Youth)
- Nutrition Associates (Adult)
- Parents (Adult)
- Students (Youth)
- Teachers (Adult)
- Volunteers (Adult)
- Youth (Youth)

**V(E). Planned Program (Outputs)**

**1. Standard output measures**

2009	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Plan</b>	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
<b>Actual</b>	3275	35209	27661	0

**2. Number of Patent Applications Submitted (Standard Research Output)**

**Patent Applications Submitted**

Year: 2009

Plan:

Actual: 0

**Patents listed**

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

<b>2009</b>	<b>Extension</b>	<b>Research</b>	<b>Total</b>
<b>Plan</b>			
<b>Actual</b>	0	0	0

**V(F). State Defined Outputs****Output Target****Output #1****Output Measure**

- Direct - Conference or Symposium

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	1

**Output #2****Output Measure**

- Direct - Consultation

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	44555

**Output #3****Output Measure**

- Direct - Educational Programs or Projects

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	106

**Output #4****Output Measure**

- Direct - Scholarship

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	1

**Output #5****Output Measure**

- Direct - Train the Trainer or Volunteer Training

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	73

**Output #6**

**Output Measure**

- Multiple-undefined delivery method

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	9

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Adopt the USDA dietary guidelines and the food guide pyramid
2	Create learning opportunities based on principles of positive human development
3	Develop skills that promote healthy relationships
4	Engage positively in their community
5	Increase capacity to establish goals or make decisions
6	Integrate regular physical activity into daily life
7	Keep accurate records
8	Make better decisions regarding healthy lifestyle
9	Manage family resources in alignment with goals
10	Provide learning opportunities for groups or organizations
11	Use relevant UMaine Extension web-based resources
12	Work productively in a team



**Outcome #1****1. Outcome Measures**

Adopt the USDA dietary guidelines and the food guide pyramid

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	10200

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

In Maine, more than 28 percent of children age 10-17 are overweight or obese and children in limited income families in Maine are twice as likely to be overweight or obese as their middle income peers. Maine is one of ten states with the highest rate of food insecure children under the age of 18. The contradiction between the high rate of obesity and food insecurity in Maine's low income families demonstrates that poor food choice and lack of nutrient rich food availability have a significant impact of Maine's children.

**What has been done**

UMaine Extension's Eat Well Nutrition Education Program provides limited income Maine citizens, including youth, with basic nutrition education based on USDA's MyPyramid Food Guidance System and recommendations from the Dietary Guidelines for Americans. The majority of programming for youth is accomplished in one of two ways:  
 \*Through school enrichment programs - working closely with the classroom teacher to integrate healthy eating and physical activity into the school curricula, or  
 \*During summer youth programming - working with other UMaine Extension staff as part of a comprehensive youth development program that includes preparing healthy foods and physical activity.

**Results**

This year 38 UMaine Extension nutrition associates provided healthy eating and physical activity programming to 13,925 youth throughout Maine. As a result:

- \*More than 10,600 now eat a variety of foods,
- \*More than 11,700 have increased their knowledge of the essentials of human nutrition, and
- \*More than 10,200 have increased their ability to select low-cost, nutritious foods.

Here is one example of a change in youth behavior brought about by a nutrition associate's lesson related to sugar content in soda: "Last year I brought in the sugar-in-soda demonstration (showing amount of sugar in actual) soda bottles and the kids were amazed! When I came back to start a new program with them this fall, one of the boys remembered how many teaspoons of sugar was in a bottle of Mountain Dew and said he doesn't drink it anymore because that much sugar is 'gross'."

**4. Associated Knowledge Areas**

**KA Code    Knowledge Area**

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

**Outcome #2**

**1. Outcome Measures**

Create learning opportunities based on principles of positive human development

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	1007

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
703	Nutrition Education and Behavior
724	Healthy Lifestyle
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #3**

**1. Outcome Measures**

Develop skills that promote healthy relationships

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	2718

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
802	Human Development and Family Well-Being

**Outcome #4**

**1. Outcome Measures**

Engage positively in their community

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	995

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

#### 4. Associated Knowledge Areas

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

#### Outcome #5

##### 1. Outcome Measures

Increase capacity to establish goals or make decisions

##### 2. Associated Institution Types

- 1862 Extension

##### 3a. Outcome Type:

Change in Action Outcome Measure

##### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	{No Data Entered}	859

##### 3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**

**What has been done**

**Results**

#### 4. Associated Knowledge Areas

KA Code	Knowledge Area
703	Nutrition Education and Behavior
724	Healthy Lifestyle
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

#### Outcome #6

##### 1. Outcome Measures

Integrate regular physical activity into daily life

##### 2. Associated Institution Types

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	952

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

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

**Outcome #7**

**1. Outcome Measures**

Keep accurate records

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	20

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

## Results

### 4. Associated Knowledge Areas

KA Code	Knowledge Area
703	Nutrition Education and Behavior
724	Healthy Lifestyle

### Outcome #8

#### 1. Outcome Measures

Make better decisions regarding healthy lifestyle

#### 2. Associated Institution Types

- 1862 Extension

#### 3a. Outcome Type:

Change in Action Outcome Measure

#### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	{No Data Entered}	10876

#### 3c. Qualitative Outcome or Impact Statement

##### Issue (Who cares and Why)

Weight Control Behavior in Maine Middle School Students: In response to the childhood obesity epidemic and its predicted long-term economic and health implications, public health advocates have strived to increase youth awareness of the health risks associated with obesity. Moreover, the media emphasize the aesthetic desirability of being slender. In response to these messages, youth are trying to lose weight but are not necessarily approaching it in the most healthy manner.

##### What has been done

UMaine Extension recently conducted a study that explored weight control practices of middle school students.

##### Results

Our results indicate that the majority of middle school students are aware of the desirability of avoiding excessive weight gain; however, in trying to control weight, they may be unintentionally increasing their risk for obesity:

\*82 percent of female students engaged in weight control behaviors that studies associate with a three-fold increased risk for obesity five years later.

\*36 percent of male respondents engaged in weight control behaviors that increase their risk for obesity.

\*74 percent of females with healthy weights engaged in weight control practices that increased their risk for obesity.

\*26 percent of males with healthy weights engaged in these activities.

There is a clear need for interventions that discourage behaviors that increase risk for obesity and help youth make better dietary decisions. In response, we are introducing educators to National Institutes of Health endorsed curricula that have been shown to improve nutrition behavior, physical activity levels, and media literacy.

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
703	Nutrition Education and Behavior
724	Healthy Lifestyle
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #9**

**1. Outcome Measures**

Manage family resources in alignment with goals

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	{No Data Entered}	9487

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
802	Human Development and Family Well-Being

**Outcome #10**

**1. Outcome Measures**

Provide learning opportunities for groups or organizations

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	301

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
703	Nutrition Education and Behavior
724	Healthy Lifestyle
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #11**

**1. Outcome Measures**

Use relevant UMaine Extension web-based resources

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	280814

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**



**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
703	Nutrition Education and Behavior
724	Healthy Lifestyle
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #12**

**1. Outcome Measures**

Work productively in a team

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	{No Data Entered}	1841

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
703	Nutrition Education and Behavior
724	Healthy Lifestyle
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

### **V(H). Planned Program (External Factors)**

#### **External factors which affected outcomes**

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

#### **Brief Explanation**

### **V(I). Planned Program (Evaluation Studies and Data Collection)**

#### **1. Evaluation Studies Planned**

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

#### **Evaluation Results**

#### **Key Items of Evaluation**

**V(A). Planned Program (Summary)****Program # 5****1. Name of the Planned Program**

Food Safety

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

<b>KA Code</b>	<b>Knowledge Area</b>	<b>%1862 Extension</b>	<b>%1890 Extension</b>	<b>%1862 Research</b>	<b>%1890 Research</b>
501	New and Improved Food Processing Technologies	15%			
502	New and Improved Food Products	5%			
504	Home and Commercial Food Service	20%			
704	Nutrition and Hunger in the Population	20%			
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources	20%			
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins	20%			
	<b>Total</b>	100%			

**V(C). Planned Program (Inputs)****1. Actual amount of professional FTE/SYs expended this Program**

<b>Year: 2009</b>	<b>Extension</b>		<b>Research</b>	
	<b>1862</b>	<b>1890</b>	<b>1862</b>	<b>1890</b>
Plan	2.2	0.0	0.3	0.0
Actual	1.6	0.0	0.0	0.0

**2. Actual dollars expended in this Program (includes Carryover Funds from previous years)**

<b>Extension</b>		<b>Research</b>	
<b>Smith-Lever 3b &amp; 3c</b>	<b>1890 Extension</b>	<b>Hatch</b>	<b>Evans-Allen</b>
70388	0	0	0
<b>1862 Matching</b>	<b>1890 Matching</b>	<b>1862 Matching</b>	<b>1890 Matching</b>
91928	0	0	0
<b>1862 All Other</b>	<b>1890 All Other</b>	<b>1862 All Other</b>	<b>1890 All Other</b>
109099	0	0	0

**V(D). Planned Program (Activity)****1. Brief description of the Activity**

- Cooking for a Crowd
- EFNEP Food Safety
- Food Cupboard Coalition
- Food Preservation Workshops
- Food Safety Public Presentation
- General Activities - Food Safety
- Good Agricultural Practices (GAP II)
- Health Fair Related to Nutrition
- Maine Family Nutrition Program Food Safety
- Master Food Preserver Course
- Pressure Gauge Testing

**2. Brief description of the target audience**

- Community Members (Adult)
- Consumers (Adult)
- Extension Homemakers (Adult)
- Food Cupboard Directors
- Food Stamp Recipients (Adult)
- Food Stamp Youth (Youth)
- General Public (Adult)
- Limited Income Public (Adult)
- Limited Income Public (Youth)
- Master Gardener Trainees (Adult)
- Native Americans (Adult)
- Volunteers (Adult)

**V(E). Planned Program (Outputs)**

**1. Standard output measures**

<b>2009</b>	<b>Direct Contacts Adults</b>	<b>Indirect Contacts Adults</b>	<b>Direct Contacts Youth</b>	<b>Indirect Contacts Youth</b>
<b>Plan</b>	1850	1050	10650	0
<b>Actual</b>	1935	42	13976	0

**2. Number of Patent Applications Submitted (Standard Research Output)**

**Patent Applications Submitted**

Year: 2009  
 Plan: 0  
 Actual: 0

**Patents listed**

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

<b>2009</b>	<b>Extension</b>	<b>Research</b>	<b>Total</b>
<b>Plan</b>	0	0	
<b>Actual</b>	0	0	0

**V(F). State Defined Outputs**

**Output Target**

**Output #1**

**Output Measure**

- Direct - Collaborative or Cooperative Effort

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	4	22

**Output #2**

**Output Measure**

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

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	11000	14211

**Output #3**

**Output Measure**

- Direct - Workshop - series  
Not reporting on this Output for this Annual Report

**Output #4**

**Output Measure**

- Direct - Workshop - single session  
Not reporting on this Output for this Annual Report

**Output #5**

**Output Measure**

- Indirect - Publication - newsletter  
Not reporting on this Output for this Annual Report

**Output #6**

**Output Measure**

- Direct - Educational Programs or Projects

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	182

**Output #7**

**Output Measure**

- Multiple-undefined delivery method

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	7

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

<b>O. No.</b>	<b>OUTCOME NAME</b>
1	Adopt HACCP and bio-security plans
2	Adopt behaviors to prevent or minimize complications of chronic disease
3	Adopt food safety practices
4	Adopt the USDA dietary guidelines and the food guide pyramid
5	Keep accurate records
6	Keep livestock healthy
7	Participate in Maine cattle health assurance program
8	Participate in Salmonella enteriditis surveillance program
9	Participate in livestock disease monitoring programs
10	Use relevant UMCE web-based resources
11	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
12	Enhance the safety, sustainability, and dependability of Maine's food supply.
13	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
14	Adopt appropriate handling and storage technologies
15	Adopt appropriate technologies
16	Develop educational programs that address health and safety issues
17	Operate equipment safely
18	Practice safety

19	Assume personal responsibility for health
20	Increase consumption of locally produced foods
21	Integrate regular physical activity into daily life
22	Make better decisions regarding healthy lifestyles
23	Manage family resources in alignment with goals
24	Make better decisions using available diagnostics
25	Use relevant UMaine Extension web-based resources

**Outcome #1**

**1. Outcome Measures**

Adopt HACCP and bio-security plans

Not Reporting on this Outcome Measure

**Outcome #2**

**1. Outcome Measures**

Adopt behaviors to prevent or minimize complications of chronic disease

Not Reporting on this Outcome Measure

**Outcome #3**

**1. Outcome Measures**

Adopt food safety practices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
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2009

5700

9396

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

Sanitation Training for Artisan Cheesemakers: Artisan cheesemakers are satisfying an important new market that has sprung up in Maine and across the country recently. There are currently 37 licensed artisan cheesemakers in the state of Maine. Most are small operations and are predominantly owned and operated by women.

**What has been done**

A team of UMaine Extension specialists with expertise in food science and dairy has been working with the Maine Cheese Guild to train members in best production sanitation practices and the development of HACCP (Hazard Analysis Critical Control Point) plans. The workshops have also been helpful in training State and Federal inspectors and organic certification inspectors from the Maine Organic Farmers and Gardeners Association.

**Results**

Our sanitation training was attended by 45 people, 11 of whom identified themselves as representing a certifying agency. All reported that, as a result of the training, they were better able to understand sanitation and HACCP. Twenty-three said they will create a formal sanitation plan, design a process flow diagram, and complete a hazard analysis as a component of a future HACCP plan. Fifteen began the process of creating a full HACCP plan. Our specialists have continued to work with individual Guild members one-on-one in a variety of ways and have continued to observe positive changes in production sanitation practices as a result of the training.

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
501	New and Improved Food Processing Technologies
504	Home and Commercial Food Service

**Outcome #4****1. Outcome Measures**

Adopt the USDA dietary guidelines and the food guide pyramid

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	160	542

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)****What has been done**



## Results

### 4. Associated Knowledge Areas

KA Code	Knowledge Area
704	Nutrition and Hunger in the Population

### Outcome #5

#### 1. Outcome Measures

Keep accurate records

#### 2. Associated Institution Types

- 1862 Extension

#### 3a. Outcome Type:

Change in Action Outcome Measure

#### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	45	20

#### 3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**

**What has been done**

**Results**

### 4. Associated Knowledge Areas

KA Code	Knowledge Area
504	Home and Commercial Food Service
704	Nutrition and Hunger in the Population

### Outcome #6

#### 1. Outcome Measures

Keep livestock healthy

Not Reporting on this Outcome Measure

### **Outcome #7**

#### **1. Outcome Measures**

Participate in Maine cattle health assurance program

Not Reporting on this Outcome Measure

### **Outcome #8**

#### **1. Outcome Measures**

Participate in Salmonella enteritidis surveillance program

Not Reporting on this Outcome Measure

### **Outcome #9**

#### **1. Outcome Measures**

Participate in livestock disease monitoring programs

Not Reporting on this Outcome Measure

### **Outcome #10**

#### **1. Outcome Measures**

Use relevant UMCE web-based resources

Not Reporting on this Outcome Measure

### **Outcome #11**

#### **1. Outcome Measures**

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

Not Reporting on this Outcome Measure

### **Outcome #12**

#### **1. Outcome Measures**

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

#### **2. Associated Institution Types**

- 1862 Extension

### 3a. Outcome Type:

Change in Condition Outcome Measure

### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	0	0

### 3c. Qualitative Outcome or Impact Statement

#### Issue (Who cares and Why)

**Decreasing Lobster Pound Mortality:** One of the risks of lobster trading is holding stock to sell during winter months when prices are higher. Retailers hold lobsters in "pounds," small saltwater bays with closed entrances, until a suitable market price is reached. In recent years, the economic advantage of impounding has been greatly lessened due to "shrinkage," the industry's term for loss due to mortality caused by stress and disease during impoundment. This loss varies widely but has been reported as high as 20 percent statewide, or as much as \$56 million.

#### What has been done

Utilizing funding competitively obtained from the Maine Department of Marine Resources, UMaine Extension's Animal Health Laboratory conducted a large study of stressors in lobster handling during 2009.

#### Results

In 2007, 63 million pounds of live lobster were landed in Maine, worth over \$280 million. According to the Atlantic States Marine Fisheries Commission, the current abundance of the Gulf of Maine lobster stock is at a record high. Our research suggested that fast hauling speeds, depth of water, and rough handling does produce a measurable stress in lobsters, leading to mortality losses. We also detected a microbial agent, *Photobacterium indicum*, that appears to have a role in the shrinkage seen in the pounds. Management strategies to reduce stress during handling have the potential to save millions of the crustaceans, improve the quality of lobsters at retail, and minimize the incidence of sick and diseased lobsters going to market. Research results have been presented to the lobster fishery industry in the form of reports to the Maine Department of Marine Resources, and articles through the Lobster Institute's Bulletin.

## 4. Associated Knowledge Areas

KA Code	Knowledge Area
501	New and Improved Food Processing Technologies
502	New and Improved Food Products
504	Home and Commercial Food Service
704	Nutrition and Hunger in the Population
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins

### **Outcome #13**

#### **1. Outcome Measures**

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

Not Reporting on this Outcome Measure

### **Outcome #14**

#### **1. Outcome Measures**

Adopt appropriate handling and storage technologies

Not Reporting on this Outcome Measure

### **Outcome #15**

#### **1. Outcome Measures**

Adopt appropriate technologies

Not Reporting on this Outcome Measure

### **Outcome #16**

#### **1. Outcome Measures**

Develop educational programs that address health and safety issues

Not Reporting on this Outcome Measure

### **Outcome #17**

#### **1. Outcome Measures**

Operate equipment safely

#### **2. Associated Institution Types**

- 1862 Extension

#### **3a. Outcome Type:**

Change in Action Outcome Measure

#### **3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	30	97

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
501	New and Improved Food Processing Technologies
502	New and Improved Food Products
504	Home and Commercial Food Service
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins

**Outcome #18**

**1. Outcome Measures**

Practice safety

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	50	94

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
501	New and Improved Food Processing Technologies
502	New and Improved Food Products
504	Home and Commercial Food Service
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other

712 Sources  
Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins

**Outcome #19**

**1. Outcome Measures**

Assume personal responsibility for health

Not Reporting on this Outcome Measure

**Outcome #20**

**1. Outcome Measures**

Increase consumption of locally produced foods

Not Reporting on this Outcome Measure

**Outcome #21**

**1. Outcome Measures**

Integrate regular physical activity into daily life

Not Reporting on this Outcome Measure

**Outcome #22**

**1. Outcome Measures**

Make better decisions regarding healthy lifestyles

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	6600	10879

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
504	Home and Commercial Food Service
704	Nutrition and Hunger in the Population
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins

**Outcome #23**

**1. Outcome Measures**

Manage family resources in alignment with goals

Not Reporting on this Outcome Measure

**Outcome #24**

**1. Outcome Measures**

Make better decisions using available diagnostics

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	{No Data Entered}	61

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
501	New and Improved Food Processing Technologies
502	New and Improved Food Products

- 504 Home and Commercial Food Service
- 711 Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources
- 712 Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins

**Outcome #25**

**1. Outcome Measures**

Use relevant UMaine Extension web-based resources

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	280814

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
501	New and Improved Food Processing Technologies
502	New and Improved Food Products
504	Home and Commercial Food Service
704	Nutrition and Hunger in the Population
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins



## **V(H). Planned Program (External Factors)**

### **External factors which affected outcomes**

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

### **Brief Explanation**

## **V(I). Planned Program (Evaluation Studies and Data Collection)**

### **1. Evaluation Studies Planned**

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

## **Evaluation Results**

## **Key Items of Evaluation**

**V(A). Planned Program (Summary)****Program # 6****1. Name of the Planned Program**

Community Development: Capacity-building Skills

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

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
608	Community Resource Planning and Development	10%		10%	
802	Human Development and Family Well-Being	35%		35%	
803	Sociological and Technological Change Affecting Individuals, Families, and Communities	45%		45%	
805	Community Institutions, Health, and Social Services	5%		5%	
901	Program and Project Design, and Statistics	5%		5%	
	<b>Total</b>	100%		100%	

**V(C). Planned Program (Inputs)****1. Actual amount of professional FTE/SYs expended this Program**

Year: 2009	Extension		Research	
	1862	1890	1862	1890
Plan	2.0	0.0	0.3	0.0
Actual	4.3	0.0	0.2	0.0

**2. Actual dollars expended in this Program (includes Carryover Funds from previous years)**

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
164958	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
651523	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
65533	0	0	0

**V(D). Planned Program (Activity)****1. Brief description of the Activity**

- Capacity Building Public Presentation
- Community Capacity Building and Leadership - Consultations
- Community Capacity Building and Leadership.

- Community Coaching
- General Activities - Community Development Capacity-building Skills
- General Energy Conservation Activities
- Maine Solutions Projects
- Organizational Development with Community Groups and Organizations
- Volunteer Development Activities

**2. Brief description of the target audience**

- 4-H Community or Project Clubs Participants (Youth)
- 4-H Leaders (Adult)
- 4-H Leaders (Youth)
- 4-H Members (Youth)
- 4-H Volunteers (Adult)
- Agency Staff or Professionals (Adult)
- Business Owners - current (Adult)
- Care Providers for Children (Adult)
- Community Leaders (Adult)
- Community Members (Adult)
- Community Members (Youth)
- Community Organization Members or Staff (Adult)
- County Executive Committee Members (Adult)
- Extension - staff (Adult)
- Master Gardener Trainees (Adult)
- Municipal Officials (Adult)
- Students (Youth)
- Teachers (Adult)
- Volunteers (Adult)
- Volunteers (Youth)
- Youth (Youth)

**V(E). Planned Program (Outputs)**

**1. Standard output measures**

2009	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Plan</b>	10800	504	10	100
<b>Actual</b>	1410	997	386	386

**2. Number of Patent Applications Submitted (Standard Research Output)**

**Patent Applications Submitted**

Year: 2009  
 Plan: 0  
 Actual: 0

**Patents listed**

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2009	Extension	Research	Total
<b>Plan</b>	0	0	

<b>Actual</b>	0	0	0
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**V(F). State Defined Outputs**

**Output Target**

**Output #1**

**Output Measure**

- Direct - Applied Research  
Not reporting on this Output for this Annual Report

**Output #2**

**Output Measure**

- Direct - Collaborative or Cooperative Effort

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	6	1

**Output #3**

**Output Measure**

- Direct - Experiential Learning  
Not reporting on this Output for this Annual Report

**Output #4**

**Output Measure**

- Direct - Train-the-Trainer  
Not reporting on this Output for this Annual Report

**Output #5**

**Output Measure**

- Direct - Volunteer Training  
Not reporting on this Output for this Annual Report

**Output #6**

**Output Measure**

- Direct - Workshop - series  
Not reporting on this Output for this Annual Report

**Output #7**

**Output Measure**

- Direct - Workshop - single session  
Not reporting on this Output for this Annual Report

**Output #8**

**Output Measure**

- Indirect - Applied Research  
Not reporting on this Output for this Annual Report

**Output #9**

**Output Measure**

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

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	27	11

**Output #10**

**Output Measure**

- Direct - Educational Programs or Projects

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	25

**Output #11**

**Output Measure**

- Multiple-undefined delivery method

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	72

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

<b>O. No.</b>	<b>OUTCOME NAME</b>
1	Provide learning opportunities for groups or organizations
2	Take leadership role
3	Teach others to take leadership and facilitation roles
4	Access community needs
5	Be a mentor to other community organizations or groups
6	Create and sustain effective partnerships and collaborations
7	Develop a shared vision for the future
8	Develop partnerships among organizations or groups
9	Facilitate community discussions
10	Implement public policies or practices
11	Increase capacity to function as a group
12	Increase volunteerism
13	Teach others to convene and facilitate community collaboratives
14	Use collaborative process or approach
15	Increase the economic and social viability and sustainability of Maine communities.
16	Use relevant UMaine Extension web-based resources
17	Conduct community service or outreach
18	Engage positively in their community

19	Facilitate planning and decision-making processes that create and sustain healthy communities
20	Integrate regular physical activity into daily life
21	Make better decisions regarding healthy lifestyle
22	Number of individuals demonstrating improved behavior in science learning, such as effective participation in school classes, independent study, career exploration, or volunteer experiences
23	Organize community coalitions and working groups
24	Participate in leadership roles
25	Support and mentor others in leadership roles
26	Work productively in a team

## **Outcome #1**

### **1. Outcome Measures**

Provide learning opportunities for groups or organizations

### **2. Associated Institution Types**

- 1862 Extension

### **3a. Outcome Type:**

Change in Action Outcome Measure

### **3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	240	301

### **3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

### **4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
608	Community Resource Planning and Development

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

**Outcome #2**

**1. Outcome Measures**

Take leadership role

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	150	136

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

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

**Outcome #3**

**1. Outcome Measures**

Teach others to take leadership and facilitation roles

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure



### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	40	168

### 3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**

**What has been done**

**Results**

### 4. Associated Knowledge Areas

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

### Outcome #4

#### 1. Outcome Measures

Access community needs

Not Reporting on this Outcome Measure

### Outcome #5

#### 1. Outcome Measures

Be a mentor to other community organizations or groups

Not Reporting on this Outcome Measure

### Outcome #6

#### 1. Outcome Measures

Create and sustain effective partnerships and collaborations

#### 2. Associated Institution Types

- 1862 Extension

#### 3a. Outcome Type:

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	2	97

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

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

**Outcome #7**

**1. Outcome Measures**

Develop a shared vision for the future

Not Reporting on this Outcome Measure

**Outcome #8**

**1. Outcome Measures**

Develop partnerships among organizations or groups

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	2	16

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

## What has been done

### Results

#### 4. Associated Knowledge Areas

<b>KA Code</b>	<b>Knowledge Area</b>
608	Community Resource Planning and Development
803	Sociological and Technological Change Affecting Individuals, Families, and Communities
805	Community Institutions, Health, and Social Services

#### Outcome #9

##### 1. Outcome Measures

Facilitate community discussions

Not Reporting on this Outcome Measure

#### Outcome #10

##### 1. Outcome Measures

Implement public policies or practices

Not Reporting on this Outcome Measure

#### Outcome #11

##### 1. Outcome Measures

Increase capacity to function as a group

Not Reporting on this Outcome Measure

#### Outcome #12

##### 1. Outcome Measures

Increase volunteerism

Not Reporting on this Outcome Measure

#### Outcome #13

##### 1. Outcome Measures

Teach others to convene and facilitate community collaboratives

Not Reporting on this Outcome Measure

### **Outcome #14**

#### **1. Outcome Measures**

Use collaborative process or approach

Not Reporting on this Outcome Measure

### **Outcome #15**

#### **1. Outcome Measures**

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

Not Reporting on this Outcome Measure

### **Outcome #16**

#### **1. Outcome Measures**

Use relevant UMaine Extension web-based resources

Not Reporting on this Outcome Measure

### **Outcome #17**

#### **1. Outcome Measures**

Conduct community service or outreach

#### **2. Associated Institution Types**

- 1862 Extension

#### **3a. Outcome Type:**

Change in Action Outcome Measure

#### **3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	{No Data Entered}	3025

#### **3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

#### **4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
608	Community Resource Planning and Development
803	Sociological and Technological Change Affecting Individuals, Families, and Communities
805	Community Institutions, Health, and Social Services

**Outcome #18**

**1. Outcome Measures**

Engage positively in their community

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	{No Data Entered}	995

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
608	Community Resource Planning and Development
803	Sociological and Technological Change Affecting Individuals, Families, and Communities
805	Community Institutions, Health, and Social Services

**Outcome #19**

**1. Outcome Measures**

Facilitate planning and decision-making processes that create and sustain healthy communities

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	10

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development
805	Community Institutions, Health, and Social Services

**Outcome #20**

**1. Outcome Measures**

Integrate regular physical activity into daily life

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	952

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

#### 4. Associated Knowledge Areas

KA Code	Knowledge Area
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

#### Outcome #21

##### 1. Outcome Measures

Make better decisions regarding healthy lifestyle

##### 2. Associated Institution Types

- 1862 Extension

##### 3a. Outcome Type:

Change in Action Outcome Measure

##### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	{No Data Entered}	10876

##### 3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**

**What has been done**

**Results**

#### 4. Associated Knowledge Areas

KA Code	Knowledge Area
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

#### Outcome #22

##### 1. Outcome Measures

Number of individuals demonstrating improved behavior in science learning, such as effective participation in school classes, independent study, career exploration, or volunteer experiences

##### 2. Associated Institution Types

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	4471

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #23**

**1. Outcome Measures**

Organize community coalitions and working groups

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	3

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**



**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
608	Community Resource Planning and Development
803	Sociological and Technological Change Affecting Individuals, Families, and Communities
805	Community Institutions, Health, and Social Services

**Outcome #24**

**1. Outcome Measures**

Participate in leadership roles

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	{No Data Entered}	759

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
608	Community Resource Planning and Development
803	Sociological and Technological Change Affecting Individuals, Families, and Communities
805	Community Institutions, Health, and Social Services

**Outcome #25**

**1. Outcome Measures**

Support and mentor others in leadership roles

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	386

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities
805	Community Institutions, Health, and Social Services

**Outcome #26**

**1. Outcome Measures**

Work productively in a team

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	1841

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

## Results

### 4. Associated Knowledge Areas

<b>KA Code</b>	<b>Knowledge Area</b>
608	Community Resource Planning and Development
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities
805	Community Institutions, Health, and Social Services
901	Program and Project Design, and Statistics

### V(H). Planned Program (External Factors)

#### External factors which affected outcomes

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

#### Brief Explanation

### V(I). Planned Program (Evaluation Studies and Data Collection)

#### 1. Evaluation Studies Planned

- Before-After (before and after program)

### Evaluation Results

### Key Items of Evaluation

**V(A). Planned Program (Summary)****Program # 7****1. Name of the Planned Program**

Entrepreneurship - Small and Home Based Business

**V(B). Program Knowledge Area(s)**

## 1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
134	Outdoor Recreation	2%		2%	
504	Home and Commercial Food Service	2%		2%	
602	Business Management, Finance, and Taxation	80%		80%	
604	Marketing and Distribution Practices	7%		7%	
607	Consumer Economics	2%		2%	
608	Community Resource Planning and Development	5%		5%	
801	Individual and Family Resource Management	2%		2%	
	<b>Total</b>	100%		100%	

**V(C). Planned Program (Inputs)**

## 1. Actual amount of professional FTE/SYs expended this Program

Year: 2009	Extension		Research	
	1862	1890	1862	1890
Plan	5.0	0.0	0.5	0.0
Actual	3.8	0.0	1.2	0.0

## 2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
86702	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
232845	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
10587	0	0	0

**V(D). Planned Program (Activity)**

## 1. Brief description of the Activity

- Doing Business Radio Show

- eXtension - Member Entrepreneurs and their Communities Core Team and Co-Chair of Website Evaluation Team
- General Activities - Entrepreneurship - Small and Home Based business
- National Home-Based and Micro Business Design Team
- Small and Home Based Business Education Clinic
- Tourism Economic Development
- Trade Area Analysis Program

**2. Brief description of the target audience**

- Agency Staff or Professionals (Adult)
- Business Assist Organization Staff (Adult)
- Business Owners - current (Adult)
- Economic Development Organization Staff (Adult)
- Extension - staff (Adult)
- Small or Home-Based Business Owners - Current (Adult)
- Small or Home-Based Business Owners - Potential (Adult)
- Tourism Development Stakeholders (Adult)
- Youth (Youth)

**V(E). Planned Program (Outputs)**

**1. Standard output measures**

2009	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Plan</b>	2200	2200	0	0
<b>Actual</b>	1004	142	0	0

**2. Number of Patent Applications Submitted (Standard Research Output)**

**Patent Applications Submitted**

Year: 2009  
 Plan: 0  
 Actual: 0

**Patents listed**

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2009	Extension	Research	Total
<b>Plan</b>	0	0	
<b>Actual</b>	0	0	0

**V(F). State Defined Outputs**

**Output Target**

**Output #1**

**Output Measure**

- Direct - Conference or symposium; Planning and/or participation  
 Not reporting on this Output for this Annual Report

**Output #2**

**Output Measure**

- Direct - Consultation; phone, written, in-person  
Not reporting on this Output for this Annual Report

**Output #3**

**Output Measure**

- Direct - Group Presentation  
Not reporting on this Output for this Annual Report

**Output #4**

**Output Measure**

- Direct - Trade Area Analyses

Year	Target	Actual
2009	5	0

**Output #5**

**Output Measure**

- Direct - Train-the-Trainer  
Not reporting on this Output for this Annual Report

**Output #6**

**Output Measure**

- Direct - Workshop - series  
Not reporting on this Output for this Annual Report

**Output #7**

**Output Measure**

- Direct - Workshop - single session  
Not reporting on this Output for this Annual Report

**Output #8**

**Output Measure**

- Indirect - Website  
Not reporting on this Output for this Annual Report

**Output #9**

**Output Measure**

- Indirect - Radio Program  
Not reporting on this Output for this Annual Report

**Output #10**

**Output Measure**

- Direct - Educational Programs or Projects

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	158

**Output #11**

**Output Measure**

- Indirect - Media and Internet

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	12

**Output #12**

**Output Measure**

- Indirect - Professional, Peer-reviewed, or Refereed, Scholarship

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	57

**Output #13**

**Output Measure**

- Multiple-undefined delivery method

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	9

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

<b>O. No.</b>	<b>OUTCOME NAME</b>
1	Adopt business management practices
2	Adopt record-keeping system
3	Conduct educational activities through cooperative or collaborative effort
4	Design and implement small business conference
5	Develop a business plan
6	Develop a financial plan
7	Develop a marketing plan
8	Develop a pricing strategy
9	Develop customer service plan
10	Develop marketing tools
11	Establish a business
12	Participate in networking opportunities
13	Use relevant UMaine Extension web-based resources
14	Decide not to create non-viable business
15	Develop tourism plan
16	Expand a business
17	Form collaborative group
18	Increase business revenues



19	Inventory community assets
20	Retain a business
21	Transition a business to closure
22	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
23	Enhance the safety, sustainability and dependability of Maine's food supply.
24	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
25	Protect and enhance Maine's natural resources and environment through sustainable.
26	Adopt tourism plan
27	Create jobs
28	Develop community resources
29	Organize community coalitions and working groups
30	Participate in leadership roles
31	Teach others to take leadership and facilitation roles

### Outcome #1

#### 1. Outcome Measures

Adopt business management practices

#### 2. Associated Institution Types

- 1862 Extension

#### 3a. Outcome Type:

Change in Action Outcome Measure

#### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
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2009

185

335

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

Entrepreneurship - Small and Home-Based Business: Small and home-based businesses play a significant role in Maine's economy, employing an estimated 15 percent of our workforce. Business workshops and consultations are offered to those in the start-up and change phase of a business.

**What has been done**

UMaine Extension faculty and staff teach business skills and answer questions, which help owners and managers make important decisions about their business concepts and direction. Our one-on-one assistance includes a range of business supports, including reviewing a business plan, reviewing marketing materials, identifying market research techniques, and sharing resources.

**Results**

Our consultations helped customers establish clear business goals and objectives, organize their businesses, apply for a trademarks, develop customer profiles, research specific markets, create Web sites, establish new pricing policies, and engage in networking opportunities. During 2009, our small and home-based business team helped facilitate the creation of more than 110 new business plans, 70 marketing plans, and 49 financing plans. Partly as a result of our interactions with Maine entrepreneurs, 95 businesses were established, 18 businesses were retained, and 99 new jobs were created.

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
134	Outdoor Recreation
504	Home and Commercial Food Service
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices
607	Consumer Economics

**Outcome #2****1. Outcome Measures**

Adopt record-keeping system

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	40	219

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
134	Outdoor Recreation
504	Home and Commercial Food Service
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices
607	Consumer Economics
801	Individual and Family Resource Management

**Outcome #3**

**1. Outcome Measures**

Conduct educational activities through cooperative or collaborative effort

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	22	7

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
604	Marketing and Distribution Practices
607	Consumer Economics

**Outcome #4**

**1. Outcome Measures**

Design and implement small business conference

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	4	1

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
602	Business Management, Finance, and Taxation

**Outcome #5**

**1. Outcome Measures**

Develop a business plan

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	80	116

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
134	Outdoor Recreation
504	Home and Commercial Food Service
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices
607	Consumer Economics

**Outcome #6**

**1. Outcome Measures**

Develop a financial plan

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	18	49

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
134	Outdoor Recreation
504	Home and Commercial Food Service
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices
607	Consumer Economics

**Outcome #7**

**1. Outcome Measures**

Develop a marketing plan

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	40	71

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

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

**Outcome #8**

**1. Outcome Measures**

Develop a pricing strategy

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	30	25

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

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

**Outcome #9**

**1. Outcome Measures**

Develop customer service plan

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	38	7

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
---------	----------------

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

**Outcome #10**

**1. Outcome Measures**

Develop marketing tools

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	28	63

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

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

**Outcome #11**

**1. Outcome Measures**

Establish a business

**2. Associated Institution Types**



- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	68	95

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

What has been done

Results

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
134	Outdoor Recreation
504	Home and Commercial Food Service
602	Business Management, Finance, and Taxation

**Outcome #12**

**1. Outcome Measures**

Participate in networking opportunities

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	350	158

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

Down East Micro-Enterprise Network Project Helps Entrepreneurs Succeed: The Down East region of Maine is economically depressed, has little industry, and depends heavily on small and micro-business as a component of its economy.

**What has been done**

In 2005 and 2006, the UMaine Extension partnered with two other business-assist organizations and obtained a \$164,000 grant to provide comprehensive entrepreneurship training to existing and aspiring small business owners in the region. The Down East Micro Enterprise Network (DEMNE) was formed and provided education and training to more than 300 businesses across this region.

**Results**

We recently surveyed participants and asked each to estimate the value of the knowledge and skills they acquired as a result of participating in the DEMNE project. The survey results demonstrate that participants improved their business management skills, improved their knowledge about operating a business, and used their improved business management skills to make changes that had a beneficial impact on their business while creating and preserving jobs in their community. The average estimate of value for each business was \$1,500, or an estimated \$450,000 in benefit to the region. One participant said, "I'm a much more confident person because I have the knowledge I need to succeed in all areas of my business. My business is now three years old and has doubled in income, becoming our family's primary income. Best thing I ever did!"

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
134	Outdoor Recreation
504	Home and Commercial Food Service
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices

**Outcome #13**

**1. Outcome Measures**

Use relevant UMaine Extension web-based resources

Not Reporting on this Outcome Measure

**Outcome #14**

**1. Outcome Measures**

Decide not to create non-viable business

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	5	9

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
602	Business Management, Finance, and Taxation

**Outcome #15**

**1. Outcome Measures**

Develop tourism plan

Not Reporting on this Outcome Measure

**Outcome #16**

**1. Outcome Measures**

Expand a business

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	25	35

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
134	Outdoor Recreation
602	Business Management, Finance, and Taxation

**Outcome #17**

**1. Outcome Measures**

Form collaborative group

Not Reporting on this Outcome Measure

**Outcome #18**

**1. Outcome Measures**

Increase business revenues

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	5	10

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
604	Marketing and Distribution Practices

**Outcome #19**

**1. Outcome Measures**

Inventory community assets

Not Reporting on this Outcome Measure

## Outcome #20

### 1. Outcome Measures

Retain a business

### 2. Associated Institution Types

- 1862 Extension

### 3a. Outcome Type:

Change in Action Outcome Measure

### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	10	18

### 3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**

**What has been done**

**Results**

### 4. Associated Knowledge Areas

KA Code	Knowledge Area
602	Business Management, Finance, and Taxation

## Outcome #21

### 1. Outcome Measures

Transition a business to closure

Not Reporting on this Outcome Measure

## Outcome #22

### 1. Outcome Measures

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

Not Reporting on this Outcome Measure

### **Outcome #23**

#### **1. Outcome Measures**

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

Not Reporting on this Outcome Measure

### **Outcome #24**

#### **1. Outcome Measures**

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

Not Reporting on this Outcome Measure

### **Outcome #25**

#### **1. Outcome Measures**

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

Not Reporting on this Outcome Measure

### **Outcome #26**

#### **1. Outcome Measures**

Adopt tourism plan

Not Reporting on this Outcome Measure

### **Outcome #27**

#### **1. Outcome Measures**

Create jobs

#### **2. Associated Institution Types**

- 1862 Extension

#### **3a. Outcome Type:**

Change in Knowledge Outcome Measure

#### **3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	85	99

### 3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**

**What has been done**

**Results**

### 4. Associated Knowledge Areas

KA Code	Knowledge Area
134	Outdoor Recreation
607	Consumer Economics
608	Community Resource Planning and Development

### Outcome #28

#### 1. Outcome Measures

Develop community resources

Not Reporting on this Outcome Measure

### Outcome #29

#### 1. Outcome Measures

Organize community coalitions and working groups

#### 2. Associated Institution Types

- 1862 Extension

#### 3a. Outcome Type:

Change in Action Outcome Measure

#### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	{No Data Entered}	3

### 3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**

**What has been done**

**Results**

### 4. Associated Knowledge Areas

KA Code	Knowledge Area
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## 608 Community Resource Planning and Development

**Outcome #30****1. Outcome Measures**

Participate in leadership roles

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	759

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices
608	Community Resource Planning and Development

**Outcome #31****1. Outcome Measures**

Teach others to take leadership and facilitation roles

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure



**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	{No Data Entered}	168

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
608	Community Resource Planning and Development
801	Individual and Family Resource Management

**V(H). Planned Program (External Factors)**

**External factors which affected outcomes**

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

**Brief Explanation**

**V(I). Planned Program (Evaluation Studies and Data Collection)**

1. Evaluation Studies Planned

- After Only (post program)

**Evaluation Results**

**Key Items of Evaluation**

**V(A). Planned Program (Summary)****Program # 8****1. Name of the Planned Program**

Family Relations and Transitions

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

<b>KA Code</b>	<b>Knowledge Area</b>	<b>%1862 Extension</b>	<b>%1890 Extension</b>	<b>%1862 Research</b>	<b>%1890 Research</b>
801	Individual and Family Resource Management	20%		20%	
802	Human Development and Family Well-Being	20%		20%	
803	Sociological and Technological Change Affecting Individuals, Families, and Communities	60%		60%	
	<b>Total</b>	100%		100%	

**V(C). Planned Program (Inputs)****1. Actual amount of professional FTE/SYs expended this Program**

<b>Year: 2009</b>	<b>Extension</b>		<b>Research</b>	
	<b>1862</b>	<b>1890</b>	<b>1862</b>	<b>1890</b>
Plan	8.0	0.0	0.5	0.0
Actual	12.4	0.0	0.3	0.0

**2. Actual dollars expended in this Program (includes Carryover Funds from previous years)**

<b>Extension</b>		<b>Research</b>	
<b>Smith-Lever 3b &amp; 3c</b>	<b>1890 Extension</b>	<b>Hatch</b>	<b>Evans-Allen</b>
132782	0	0	0
<b>1862 Matching</b>	<b>1890 Matching</b>	<b>1862 Matching</b>	<b>1890 Matching</b>
394944	0	0	0
<b>1862 All Other</b>	<b>1890 All Other</b>	<b>1862 All Other</b>	<b>1890 All Other</b>
1036920	0	0	0

**V(D). Planned Program (Activity)****1. Brief description of the Activity**

- 4-H volunteer Development - Volunteer Training
- Ages and Stages Workshop Series
- Bullying Prevention Workshops
- Caring For Kids - Baby Sitting Training for Youth
- Collaborative Relationships With Community Organizations
- Community Inquiries

- Eat Well Associates Training
- Energy Trainings
- Evaluation projects
- Family Related (fact sheet)
- General Activities - Family Relations and Transitions
- Legislative Education
- Newsletter - Money Sense
- Parent Education Training
- Parent Educator Training
- Participate in collaborative groups to coordinate project goals to support families
- Professional development trainings
- Provide technical assistance to home visiting program managers and trainers
- The Growing Years
- Training Opportunities for Home Visitors
- Turn Beauty Inside Out/ Full of Ourselves Workshops - Adults
- Turn Beauty Inside Out/Full of Ourselves Workshops - Youth
- Volunteer Support - 4-H Youth Development
- Women's Leadership Retreats: The Eleanor Days

**2. Brief description of the target audience**

- 4-H Community or Project Clubs Participants (Youth)
- 4-H Volunteers (Adult)
- Agency Staff or Professionals (Adult)
- Care Providers for Children (Adult)
- Community Leaders (Adult)
- Community Members (Adult)
- Employees (Adult)
- Extension - staff (Adult)
- Extension Homemakers (Adult)
- Families (Adult)
- General Public (Adult)
- Nutrition Associates (Adult)
- Parent Educators (Adult)
- Parents (Adult)
- Prenatal Families (Youth)
- Student (Adult)
- Students (Youth)
- Teachers (Adult)
- Volunteers (Adult)
- Youth (Youth)

**V(E). Planned Program (Outputs)**

**1. Standard output measures**

2009	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Plan</b>	2300	8600	75	0
<b>Actual</b>	906	703	104	4

**2. Number of Patent Applications Submitted (Standard Research Output)**

**Patent Applications Submitted**

Year: 2009

Plan: 0

Actual: 0

**Patents listed**

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2009	Extension	Research	Total
Plan	0	0	
Actual	0	0	0

**V(F). State Defined Outputs**

**Output Target**

**Output #1**

**Output Measure**

- Direct - Collaborative or Cooperative Effort

Year	Target	Actual
2009	17	52

**Output #2**

**Output Measure**

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

Year	Target	Actual
2009	3	2

**Output #3**

**Output Measure**

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

Year	Target	Actual
2009	775	158

**Output #4**

**Output Measure**

- Direct - Group Presentation  
Not reporting on this Output for this Annual Report

**Output #5**

**Output Measure**

- Direct - Public Presentation  
Not reporting on this Output for this Annual Report

**Output #6**

**Output Measure**

- Direct - Train-the-Trainer  
Not reporting on this Output for this Annual Report

**Output #7**

**Output Measure**

- Direct - Volunteer Training  
Not reporting on this Output for this Annual Report

**Output #8**

**Output Measure**

- Direct - Workshop - series  
Not reporting on this Output for this Annual Report

**Output #9**

**Output Measure**

- Indirect - Publication - curriculum  
Not reporting on this Output for this Annual Report

**Output #10**

**Output Measure**

- Indirect - Publication - newsletter  
Not reporting on this Output for this Annual Report

**Output #11**

**Output Measure**

- Indirect - Written or e-mail response to Client Request  
Not reporting on this Output for this Annual Report

**Output #12**

**Output Measure**

- Indirect - Applied Research

Year	Target	Actual
2009	4	1

**Output #13**

**Output Measure**

- Indirect - Publication  
Not reporting on this Output for this Annual Report

**Output #14**

**Output Measure**

- Indirect - Publication - refereed journal article  
Not reporting on this Output for this Annual Report

**Output #15**

**Output Measure**

- Direct - Educational Programs or Projects

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	58

**Output #16**

**Output Measure**

- Direct - Train the Trainer or Volunteer Training

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	173

**Output #17**

**Output Measure**

- Indirect - Resulting from Train the Trainer

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	2

**Output #18**

**Output Measure**

- Multiple-undefined delivery method

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	2

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

<b>O. No.</b>	<b>OUTCOME NAME</b>
1	Adopt record-keeping system
2	Balance roles, responsibilities, and stress
3	Conduct community-based education that encourages healthy individual and family behaviors
4	Create learning opportunities based on principles of positive human development
5	Create safe and empowering learning opportunities
6	Create sustainable networks
7	Develop a financial plan
8	Develop and apply policies or practices that create safe, healthy physical environments
9	Develop and apply policies or practices that create safe, healthy psychological environments
10	Develop literacy and critical thinking skills
11	Develop skills that promote healthy relationships
12	Engage in leadership development
13	Make better decisions
14	Make better decisions using accurate records
15	Manage community resources
16	Model positive group behavior to others
17	Organize conferences or other learning opportunities
18	Use literacy and critical thinking skills

19	Use relevant UMCE web-based resources
20	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness
21	Increase the economic and social viability and sustainability of Maine communities.
22	Provide learning opportunities for groups or organizations
23	Reduce or eliminate gender stereotyping
24	Teach others to take leadership and facilitation roles
25	Treat all people with dignity and respect
26	Confront disrespectful behaviors
27	Create and sustain effective partnerships and collaborations
28	Create new media
29	Develop a shared vision for the future
30	Have "real" conversations about gender issues and limits of stereotypes
31	Support and mentor others in leadership roles
32	Assume personal responsibility for health
33	Dollars saved
34	Facilitate community discussions
35	Increase volunteerism
36	Keep accurate records
37	Make better decisions regarding healthy lifestyle
38	Make better decisions regarding healthy lifestyle using improved literacy and critical thinking skills



39	Promote healthy relationships
40	Take leadership role
41	Use a collaborative process or approach
42	Adopt at least one energy saving practice
43	Express good feeling about self
44	Implement public policies or practices
45	Use relevant UMaine Extension web-based resources
46	Work productively in a team

**Outcome #1**

**1. Outcome Measures**

Adopt record-keeping system

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	150	219

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
801	Individual and Family Resource Management

## Outcome #2

### 1. Outcome Measures

Balance roles, responsibilities, and stress

### 2. Associated Institution Types

- 1862 Extension

### 3a. Outcome Type:

Change in Action Outcome Measure

### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	130	14

### 3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**

**What has been done**

**Results**

### 4. Associated Knowledge Areas

KA Code	Knowledge Area
801	Individual and Family Resource Management
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

## Outcome #3

### 1. Outcome Measures

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

Not Reporting on this Outcome Measure

## Outcome #4

### 1. Outcome Measures

Create learning opportunities based on principles of positive human development

### 2. Associated Institution Types

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	405	1007

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #5**

**1. Outcome Measures**

Create safe and empowering learning opportunities

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	105	119

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
801	Individual and Family Resource Management
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #6**

**1. Outcome Measures**

Create sustainable networks

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	5	25

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
801	Individual and Family Resource Management

**Outcome #7**

**1. Outcome Measures**

Develop a financial plan

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	300	49

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
801	Individual and Family Resource Management

**Outcome #8**

**1. Outcome Measures**

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

Not Reporting on this Outcome Measure

**Outcome #9**

**1. Outcome Measures**

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

Not Reporting on this Outcome Measure

**Outcome #10**

**1. Outcome Measures**

Develop literacy and critical thinking skills

Not Reporting on this Outcome Measure

**Outcome #11****1. Outcome Measures**

Develop skills that promote healthy relationships

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	294	2718

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #12****1. Outcome Measures**

Engage in leadership development

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	100	209

### 3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**

**What has been done**

**Results**

### 4. Associated Knowledge Areas

<b>KA Code</b>	<b>Knowledge Area</b>
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

#### Outcome #13

##### 1. Outcome Measures

Make better decisions

Not Reporting on this Outcome Measure

#### Outcome #14

##### 1. Outcome Measures

Make better decisions using accurate records

Not Reporting on this Outcome Measure

#### Outcome #15

##### 1. Outcome Measures

Manage community resources

Not Reporting on this Outcome Measure

#### Outcome #16

##### 1. Outcome Measures

Model positive group behavior to others

Not Reporting on this Outcome Measure

### **Outcome #17**

#### **1. Outcome Measures**

Organize conferences or other learning opportunities

Not Reporting on this Outcome Measure

### **Outcome #18**

#### **1. Outcome Measures**

Use literacy and critical thinking skills

Not Reporting on this Outcome Measure

### **Outcome #19**

#### **1. Outcome Measures**

Use relevant UMCE web-based resources

Not Reporting on this Outcome Measure

### **Outcome #20**

#### **1. Outcome Measures**

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

Not Reporting on this Outcome Measure

### **Outcome #21**

#### **1. Outcome Measures**

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

Not Reporting on this Outcome Measure

### **Outcome #22**

#### **1. Outcome Measures**

Provide learning opportunities for groups or organizations

#### **2. Associated Institution Types**



- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	50	301

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #23**

**1. Outcome Measures**

Reduce or eliminate gender stereotyping

Not Reporting on this Outcome Measure

**Outcome #24**

**1. Outcome Measures**

Teach others to take leadership and facilitation roles

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	80	168

### 3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**

**What has been done**

**Results**

### 4. Associated Knowledge Areas

KA Code	Knowledge Area
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

## Outcome #25

### 1. Outcome Measures

Treat all people with dignity and respect

### 2. Associated Institution Types

- 1862 Extension

### 3a. Outcome Type:

Change in Action Outcome Measure

### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	220	152

### 3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**

**What has been done**

**Results**

### 4. Associated Knowledge Areas

KA Code	Knowledge Area
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

## Outcome #26

### 1. Outcome Measures

Confront disrespectful behaviors

Not Reporting on this Outcome Measure

## Outcome #27

### 1. Outcome Measures

Create and sustain effective partnerships and collaborations

### 2. Associated Institution Types

- 1862 Extension

### 3a. Outcome Type:

Change in Action Outcome Measure

### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	36	97

### 3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**

**What has been done**

**Results**

### 4. Associated Knowledge Areas

KA Code	Knowledge Area
801	Individual and Family Resource Management

## Outcome #28

### 1. Outcome Measures

Create new media

Not Reporting on this Outcome Measure

**Outcome #29**

**1. Outcome Measures**

Develop a shared vision for the future

Not Reporting on this Outcome Measure

**Outcome #30**

**1. Outcome Measures**

Have "real" conversations about gender issues and limits of stereotypes

Not Reporting on this Outcome Measure

**Outcome #31**

**1. Outcome Measures**

Support and mentor others in leadership roles

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	7	386

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

### Outcome #32

#### 1. Outcome Measures

Assume personal responsibility for health

Not Reporting on this Outcome Measure

### Outcome #33

#### 1. Outcome Measures

Dollars saved

#### 2. Associated Institution Types

- 1862 Extension

#### 3a. Outcome Type:

Change in Action Outcome Measure

#### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	4000	280

#### 3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**

**What has been done**

**Results**

#### 4. Associated Knowledge Areas

KA Code	Knowledge Area
801	Individual and Family Resource Management
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

### Outcome #34

#### 1. Outcome Measures

Facilitate community discussions

Not Reporting on this Outcome Measure

**Outcome #35**

**1. Outcome Measures**

Increase volunteerism

Not Reporting on this Outcome Measure

**Outcome #36**

**1. Outcome Measures**

Keep accurate records

Not Reporting on this Outcome Measure

**Outcome #37**

**1. Outcome Measures**

Make better decisions regarding healthy lifestyle

Not Reporting on this Outcome Measure

**Outcome #38**

**1. Outcome Measures**

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

Not Reporting on this Outcome Measure

**Outcome #39**

**1. Outcome Measures**

Promote healthy relationships

Not Reporting on this Outcome Measure

**Outcome #40**

**1. Outcome Measures**

Take leadership role

Not Reporting on this Outcome Measure

**Outcome #41**

**1. Outcome Measures**

Use a collaborative process or approach

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	5	14

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #42**

**1. Outcome Measures**

Adopt at least one energy saving practice

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	317

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
801	Individual and Family Resource Management
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #43**

**1. Outcome Measures**

Express good feeling about self

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	{No Data Entered}	82

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
801	Individual and Family Resource Management
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities



**Outcome #44**

**1. Outcome Measures**

Implement public policies or practices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	100

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #45**

**1. Outcome Measures**

Use relevant UMaine Extension web-based resources

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	280814

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
801	Individual and Family Resource Management
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #46**

**1. Outcome Measures**

Work productively in a team

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	1841

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**V(H). Planned Program (External Factors)**

**External factors which affected outcomes**

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

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies and Data Collection)**

1. Evaluation Studies Planned

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

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}

**V(A). Planned Program (Summary)****Program # 9****1. Name of the Planned Program**

Healthy Lifestyles

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

<b>KA Code</b>	<b>Knowledge Area</b>	<b>%1862 Extension</b>	<b>%1890 Extension</b>	<b>%1862 Research</b>	<b>%1890 Research</b>
605	Natural Resource and Environmental Economics	5%		5%	
703	Nutrition Education and Behavior	50%		50%	
724	Healthy Lifestyle	10%		10%	
801	Individual and Family Resource Management	10%		10%	
802	Human Development and Family Well-Being	20%		20%	
803	Sociological and Technological Change Affecting Individuals, Families, and Communities	5%		5%	
<b>Total</b>		100%		100%	

**V(C). Planned Program (Inputs)****1. Actual amount of professional FTE/SYs expended this Program**

<b>Year: 2009</b>	<b>Extension</b>		<b>Research</b>	
	<b>1862</b>	<b>1890</b>	<b>1862</b>	<b>1890</b>
Plan	8.4	0.0	0.8	0.0
Actual	6.3	0.0	0.5	0.0

**2. Actual dollars expended in this Program (includes Carryover Funds from previous years)**

<b>Extension</b>		<b>Research</b>	
<b>Smith-Lever 3b &amp; 3c</b>	<b>1890 Extension</b>	<b>Hatch</b>	<b>Evans-Allen</b>
61100	0	0	0
<b>1862 Matching</b>	<b>1890 Matching</b>	<b>1862 Matching</b>	<b>1890 Matching</b>
145854	0	0	0
<b>1862 All Other</b>	<b>1890 All Other</b>	<b>1862 All Other</b>	<b>1890 All Other</b>
530239	0	0	0

**V(D). Planned Program (Activity)****1. Brief description of the Activity**

- 4-H Animal Clinics and Fairs
- 4-H Civil Rights Team
- 4-H Club Program

- Building the Capacity of Parenting Educators
- Building the Capacity of Senior Companion Program Aides
- Community based participatory research
- County 4-H Officer's council
- Farm Tractor Safety
- Food Safety Public Presentations
- General Activities - Healthy Lifestyles
- Homemaker Training
- Parenting Education
- Presentations at Professional Meetings/Conferences
- Prevention of youth overweight
- Senior Companion Program
- Tractor Safety Training
- Wellness Sessions

## **2. Brief description of the target audience**

- 4-H Community or Project Clubs Participants (Youth)
- 4-H Leaders (Adult)
- 4-H Members (Youth)
- Adults with Disabilities (Adults)
- Agency Staff or Professionals (Adult)
- Agricultural Producers (Adult)
- Community Leaders (Adult)
- Community Members (Adult)
- Community Organization Members or Staff (Adult)
- Consumers (Adult)
- Employees (Adult)
- Employees (Youth)
- Extension - staff (Adult)
- Extension Homemakers (Adult)
- Extension Professionals (Adult)
- Farmers (Adult)
- General Public (Adult)
- General Public (Youth)
- Habitat Stewards (Adult)
- Limited Income Public (Adult)
- Limited Income Public (Youth)
- Native Americans (Adult)
- Native Americans (Youth)
- Nutrition Associates (Adult)
- Parent Educators (Adult)
- Parents (Adult)
- Senior Companion Program Staff (Adult)
- Senior Companion Program Volunteers (Adult)
- Students (Youth)
- Teachers (Adult)
- Volunteers (Adult)
- Youth (Youth)

## **V(E). Planned Program (Outputs)**

### **1. Standard output measures**

2009	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Plan</b>	13000	3800	22500	50
<b>Actual</b>	5464	54727	43133	4

**2. Number of Patent Applications Submitted (Standard Research Output)**

**Patent Applications Submitted**

Year: 2009  
 Plan: 0  
 Actual: 0

**Patents listed**

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2009	Extension	Research	Total
<b>Plan</b>	0	0	
<b>Actual</b>	0	0	0

**V(F). State Defined Outputs**

**Output Target**

**Output #1**

**Output Measure**

- Direct - 4-H Day Camp  
 Not reporting on this Output for this Annual Report

**Output #2**

**Output Measure**

- Direct - 4-H School Enrichment  
 Not reporting on this Output for this Annual Report

**Output #3**

**Output Measure**

- Direct - Collaborative or Cooperative Effort

Year	Target	Actual
2009	10100	2164

**Output #4**

**Output Measure**

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

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	22100	445

**Output #5**

**Output Measure**

- Direct - Course  
Not reporting on this Output for this Annual Report

**Output #6**

**Output Measure**

- Direct - Group Presentation  
Not reporting on this Output for this Annual Report

**Output #7**

**Output Measure**

- Direct - Public Presentation  
Not reporting on this Output for this Annual Report

**Output #8**

**Output Measure**

- Direct - Train-the-Trainer  
Not reporting on this Output for this Annual Report

**Output #9**

**Output Measure**

- Direct - Workshop - series  
Not reporting on this Output for this Annual Report

**Output #10**

**Output Measure**

- Direct - Workshop - single session  
Not reporting on this Output for this Annual Report

**Output #11**

**Output Measure**

- Indirect - Display or Exhibit  
Not reporting on this Output for this Annual Report

**Output #12**

**Output Measure**

- Indirect - Publication - newsletter  
Not reporting on this Output for this Annual Report

**Output #13**

**Output Measure**

- Direct - 4-H Club - Project  
Not reporting on this Output for this Annual Report

**Output #14**

**Output Measure**

- Direct - 4-H After School  
Not reporting on this Output for this Annual Report

**Output #15**

**Output Measure**

- Direct - 4-H Club - Community  
Not reporting on this Output for this Annual Report

**Output #16**

**Output Measure**

- Direct - 4-H Overnight Camp  
Not reporting on this Output for this Annual Report

**Output #17**

**Output Measure**

- Direct - Applied Research  
Not reporting on this Output for this Annual Report

**Output #18**

**Output Measure**

- Indirect - Publication - refereed journal article  
Not reporting on this Output for this Annual Report

**Output #19**

**Output Measure**

- Direct - 4-H Club, Camp, Project, Program

Year	Target	Actual
2009	{No Data Entered}	29

**Output #20**

**Output Measure**

- Direct - Conference/Symposium

Year	Target	Actual
2009	{No Data Entered}	1

**Output #21**

**Output Measure**

- Direct - Educational Programs or Projects

Year	Target	Actual
2009	{No Data Entered}	106



**Output #22**

**Output Measure**

- Direct - Train the Trainer or Volunteer Training

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	73

**Output #23**

**Output Measure**

- Multiple-undefined delivery method

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	9

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

<b>O. No.</b>	<b>OUTCOME NAME</b>
1	Develop literacy and critical thinking skills
2	Develop skills that promote healthy relationships
3	Distribute nutrition education materials and promotional information about the Maine Family Nutrition Program
4	Express good feeling about self
5	Integrate regular physical activity into daily life
6	Keep accurate records
7	Make better decisions
8	Make better decisions regarding health and health care
9	Make better decisions regarding healthy lifestyle
10	Make better decisions regarding healthy lifestyle using improved literacy and critical thinking skills
11	Manage family resources in alignment with goals
12	Model positive group behavior to others
13	Practice safety
14	Provide learning opportunities for groups or organizations
15	Provide training and technical assistance in analyzing and assessing community health issues and policies
16	Reduce or eliminate gender stereotyping
17	Teach others to take leadership and facilitation roles
18	Treat all people with dignity and respect

19	Use relevant UMCE web-based resources
20	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
21	Enhance the safety, sustainability, and dependability of Maine's food supply
22	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
23	Increase the economic and social viability and sustainability of Maine communities.
24	Adopt behaviors to prevent or minimize complications of chronic disease
25	Adopt food safety practices
26	Adopt record-keeping system
27	Adopt the USDA dietary guidelines and the food guide pyramid
28	Assume personal responsibility for health
29	Conduct community-based education that encourages healthy individual and family behaviors
30	Confront disrespectful behaviors
31	Create learning opportunities based on principles of positive human development
32	Avoid consumer fraud and financial exploitation
33	Conduct educational activities through cooperative or collaborative effort
34	Create and sustain effective partnerships and collaborations
35	Use a collaborative process or approach
36	Adopt appropriate technologies
37	Balance roles, responsibilities, and stress
38	Conduct community service or outreach

39	Dollars saved
40	Engage positively in their community
41	Handle animals safely
42	Increase capacity to establish goals or make decisions
43	Operate equipment safely
44	Work productively in a team
45	Make informed decisions about the implementation of techniques that will reduce consumption of fossil fuels
46	Adopt at least one energy saving practice
47	Ensure that all people feel safe and accepted
48	Number of individuals applying science process skills, including incorporation of science learning in community service, enrollment in SET-related post-secondary education, and/or entrepreneurship/career success
49	Successfully complete chainsaw safety training
50	Use relevant UMaine Extension web-based resources
51	Work effectively with diverse groups

**Outcome #1****1. Outcome Measures**

Develop literacy and critical thinking skills

Not Reporting on this Outcome Measure

**Outcome #2****1. Outcome Measures**

Develop skills that promote healthy relationships

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	180	2718

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
703	Nutrition Education and Behavior
724	Healthy Lifestyle
802	Human Development and Family Well-Being

**Outcome #3**

**1. Outcome Measures**

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

Not Reporting on this Outcome Measure

**Outcome #4**

**1. Outcome Measures**

Express good feeling about self

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
------	---------------------	--------

2009

50

82

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle

**Outcome #5**

**1. Outcome Measures**

Integrate regular physical activity into daily life

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	280	952

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
703	Nutrition Education and Behavior
724	Healthy Lifestyle

## Outcome #6

### 1. Outcome Measures

Keep accurate records

### 2. Associated Institution Types

- 1862 Extension

### 3a. Outcome Type:

Change in Action Outcome Measure

### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	210	20

### 3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**

**What has been done**

**Results**

### 4. Associated Knowledge Areas

KA Code	Knowledge Area
802	Human Development and Family Well-Being

## Outcome #7

### 1. Outcome Measures

Make better decisions

Not Reporting on this Outcome Measure

## Outcome #8

### 1. Outcome Measures

Make better decisions regarding health and health care

Not Reporting on this Outcome Measure

## **Outcome #9**

### **1. Outcome Measures**

Make better decisions regarding healthy lifestyle

### **2. Associated Institution Types**

- 1862 Extension

### **3a. Outcome Type:**

Change in Action Outcome Measure

### **3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	6750	10876

### **3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

### **4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
703	Nutrition Education and Behavior
724	Healthy Lifestyle

## **Outcome #10**

### **1. Outcome Measures**

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

Not Reporting on this Outcome Measure

## **Outcome #11**

### **1. Outcome Measures**

Manage family resources in alignment with goals

### **2. Associated Institution Types**



- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	5575	9487

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
802	Human Development and Family Well-Being

**Outcome #12**

**1. Outcome Measures**

Model positive group behavior to others

Not Reporting on this Outcome Measure

**Outcome #13**

**1. Outcome Measures**

Practice safety

Not Reporting on this Outcome Measure

**Outcome #14**

**1. Outcome Measures**

Provide learning opportunities for groups or organizations

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	50	301

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #15**

**1. Outcome Measures**

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

Not Reporting on this Outcome Measure

**Outcome #16**

**1. Outcome Measures**

Reduce or eliminate gender stereotyping

Not Reporting on this Outcome Measure

**Outcome #17**

**1. Outcome Measures**

Teach others to take leadership and facilitation roles

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	13	168

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #18**

**1. Outcome Measures**

Treat all people with dignity and respect

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	50	152

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

#### 4. Associated Knowledge Areas

KA Code	Knowledge Area
724	Healthy Lifestyle

##### Outcome #19

###### 1. Outcome Measures

Use relevant UMCE web-based resources

Not Reporting on this Outcome Measure

##### Outcome #20

###### 1. Outcome Measures

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

Not Reporting on this Outcome Measure

##### Outcome #21

###### 1. Outcome Measures

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

Not Reporting on this Outcome Measure

##### Outcome #22

###### 1. Outcome Measures

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

Not Reporting on this Outcome Measure

##### Outcome #23

###### 1. Outcome Measures

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

Not Reporting on this Outcome Measure

**Outcome #24**

**1. Outcome Measures**

Adopt behaviors to prevent or minimize complications of chronic disease

Not Reporting on this Outcome Measure

**Outcome #25**

**1. Outcome Measures**

Adopt food safety practices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	5500	9396

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
703	Nutrition Education and Behavior

**Outcome #26**

**1. Outcome Measures**

Adopt record-keeping system

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	150	219

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
801	Individual and Family Resource Management

**Outcome #27**

**1. Outcome Measures**

Adopt the USDA dietary guidelines and the food guide pyramid

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	1270	542

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
703	Nutrition Education and Behavior
724	Healthy Lifestyle

**Outcome #28**

**1. Outcome Measures**

Assume personal responsibility for health

Not Reporting on this Outcome Measure

**Outcome #29**

**1. Outcome Measures**

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

Not Reporting on this Outcome Measure

**Outcome #30**

**1. Outcome Measures**

Confront disrespectful behaviors

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	50	16

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
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724 Healthy Lifestyle

**Outcome #31****1. Outcome Measures**

Create learning opportunities based on principles of positive human development

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	485	1007

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle

**Outcome #32****1. Outcome Measures**

Avoid consumer fraud and financial exploitation

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	25	35



### 3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**

**What has been done**

**Results**

### 4. Associated Knowledge Areas

KA Code	Knowledge Area
801	Individual and Family Resource Management

### Outcome #33

#### 1. Outcome Measures

Conduct educational activities through cooperative or collaborative effort

Not Reporting on this Outcome Measure

### Outcome #34

#### 1. Outcome Measures

Create and sustain effective partnerships and collaborations

#### 2. Associated Institution Types

- 1862 Extension

#### 3a. Outcome Type:

Change in Action Outcome Measure

#### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	16	97

### 3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**

**What has been done**

**Results**

### 4. Associated Knowledge Areas

KA Code	Knowledge Area
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

### **Outcome #35**

#### **1. Outcome Measures**

Use a collaborative process or approach

#### **2. Associated Institution Types**

- 1862 Extension

#### **3a. Outcome Type:**

Change in Action Outcome Measure

#### **3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	18	14

#### **3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

#### **4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

### **Outcome #36**

#### **1. Outcome Measures**

Adopt appropriate technologies

Not Reporting on this Outcome Measure

### **Outcome #37**

#### **1. Outcome Measures**

Balance roles, responsibilities, and stress

Not Reporting on this Outcome Measure

**Outcome #38**

**1. Outcome Measures**

Conduct community service or outreach

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	75	3025

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
703	Nutrition Education and Behavior
724	Healthy Lifestyle
802	Human Development and Family Well-Being

**Outcome #39**

**1. Outcome Measures**

Dollars saved

Not Reporting on this Outcome Measure

**Outcome #40**

**1. Outcome Measures**

Engage positively in their community

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	30	995

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
801	Individual and Family Resource Management
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #41**

**1. Outcome Measures**

Handle animals safely

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	120	85

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
724	Healthy Lifestyle
801	Individual and Family Resource Management
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #42**

**1. Outcome Measures**

Increase capacity to establish goals or make decisions

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	75	859

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
703	Nutrition Education and Behavior
724	Healthy Lifestyle
801	Individual and Family Resource Management
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #43**

**1. Outcome Measures**

Operate equipment safely

Not Reporting on this Outcome Measure

**Outcome #44**

**1. Outcome Measures**

Work productively in a team

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	95	1841

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #45**

**1. Outcome Measures**

Make informed decisions about the implementation of techniques that will reduce consumption of fossil fuels

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	374

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

Access to Energy Assistance for Seniors: According to the US Census Bureau, Maine has the seventh oldest population in the nation. The number of citizens age 65 and older comprises approximately 14 percent of the state population. With a poverty rate of 19.1 percent in Washington County, access to resources is critical to help keep seniors in their homes and maintain their independence.

**What has been done**

UMaine Extension's Senior Companion Program is the connecting link for Washington County's many isolated seniors. In the late fall of 2009, we provided educational programming for our volunteers in how to connect seniors with agencies for fuel assistance and how to make homes more energy efficient.

**Results**

Through this effort, low-income volunteers in Washington County and their homebound clients were able to access more than \$8,000 in fuel assistance and energy dollars. Most had never applied before and were able to improve their ability to stay warm during the long Maine winter, improve the efficiency of their homes, and stretch their financial resources farther.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
605	Natural Resource and Environmental Economics
801	Individual and Family Resource Management
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #46**

**1. Outcome Measures**

Adopt at least one energy saving practice

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	317

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
801	Individual and Family Resource Management
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #47**

**1. Outcome Measures**

Ensure that all people feel safe and accepted

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	16

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
801	Individual and Family Resource Management
802	Human Development and Family Well-Being



803 Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #48****1. Outcome Measures**

Number of individuals applying science process skills, including incorporation of science learning in community service, enrollment in SET-related post-secondary education, and/or entrepreneurship/career success

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	271

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
703	Nutrition Education and Behavior
801	Individual and Family Resource Management
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #49****1. Outcome Measures**

Successfully complete chainsaw safety training

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	40

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
801	Individual and Family Resource Management
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #50**

**1. Outcome Measures**

Use relevant UMaine Extension web-based resources

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	280814

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
703	Nutrition Education and Behavior

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

**Outcome #51**

**1. Outcome Measures**

Work effectively with diverse groups

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	299

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
801	Individual and Family Resource Management
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**V(H). Planned Program (External Factors)**

**External factors which affected outcomes**

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

**Brief Explanation**

## **V(I). Planned Program (Evaluation Studies and Data Collection)**

### 1. Evaluation Studies Planned

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

## **Evaluation Results**

## **Key Items of Evaluation**

**V(A). Planned Program (Summary)****Program # 10****1. Name of the Planned Program**

Youth Development

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

<b>KA Code</b>	<b>Knowledge Area</b>	<b>%1862 Extension</b>	<b>%1890 Extension</b>	<b>%1862 Research</b>	<b>%1890 Research</b>
133	Pollution Prevention and Mitigation	5%		5%	
134	Outdoor Recreation	15%		15%	
724	Healthy Lifestyle	20%		20%	
801	Individual and Family Resource Management	5%		5%	
802	Human Development and Family Well-Being	15%		15%	
803	Sociological and Technological Change Affecting Individuals, Families, and Communities	10%		10%	
805	Community Institutions, Health, and Social Services	3%		3%	
806	Youth Development	27%		27%	
	<b>Total</b>	100%		100%	

**V(C). Planned Program (Inputs)****1. Actual amount of professional FTE/SYs expended this Program**

<b>Year: 2009</b>	<b>Extension</b>		<b>Research</b>	
	<b>1862</b>	<b>1890</b>	<b>1862</b>	<b>1890</b>
Plan	10.3	0.0	0.3	0.0
Actual	7.3	0.0	1.0	0.0

**2. Actual dollars expended in this Program (includes Carryover Funds from previous years)**

<b>Extension</b>		<b>Research</b>	
<b>Smith-Lever 3b &amp; 3c</b>	<b>1890 Extension</b>	<b>Hatch</b>	<b>Evans-Allen</b>
237014	0	0	0
<b>1862 Matching</b>	<b>1890 Matching</b>	<b>1862 Matching</b>	<b>1890 Matching</b>
683594	0	0	0
<b>1862 All Other</b>	<b>1890 All Other</b>	<b>1862 All Other</b>	<b>1890 All Other</b>
234350	0	0	0

**V(D). Planned Program (Activity)****1. Brief description of the Activity**

- 4-H Afterschool
- 4-H Fairs
- 4-H Livestock Activities
- 4-H Super Sitter
- 4H Club Leader Development
- 4H community-based programs
- 4H school based programs
- Adult 4-H Volunteer Trainings
- Bryant Pond 4-H Camp and Learning Center
- Citizenship Activities
- Entrepreneurship Activities
- eXtension &ndash Support for Horse Quest Community of Practice
- Financial Literacy for High School Students
- General Activities Youth Development
- Healthy Lifestyles- Safe Operation of Farm Tractors and Equipment
- Leadership Activities
- Local Food Initiatives
- School based programs
- Summer Camps - 4-H Day Camp
- Tanglewood Residential Camp
- Tanglewood Leadership Program
- Teen Leadership Council Entrepreneurship Activities
- VOLT Training

## **2. Brief description of the target audience**

- 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 (Adult)
- 4-H Leaders (Youth)
- 4-H Members (Youth)
- 4-H Special Interest or Short-Term Program Participants (Youth)
- 4-H Volunteers (Adult)
- 4-H Volunteers (Youth)
- Agency Staff or Professionals (Adult)
- Community Leaders (Adult)
- Community Members (Adult)
- Community Members (Youth)
- Community Organization Members or Staff (Adult)
- County Executive Committee Members (Youth)
- Extension - staff (Adult)
- Master Gardener Volunteers (Adult)
- Municipal Officials (Adult)
- Parents (Adult)
- Radio Program Audience (Adult)
- Radio Program Audience (Youth)
- School Administrators (Adult)
- Students (Youth)
- Teachers (Adult)
- Volunteers (Adult)
- Volunteers (Youth)
- Youth (Youth)
- Youth Educators (Adult)

**V(E). Planned Program (Outputs)****1. Standard output measures**

2009	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Plan</b>	1445	0	5334	4
<b>Actual</b>	1908	868	7044	1283

**2. Number of Patent Applications Submitted (Standard Research Output)****Patent Applications Submitted**

Year: 2009

Plan: 0

Actual: 0

**Patents listed****3. Publications (Standard General Output Measure)****Number of Peer Reviewed Publications**

2009	Extension	Research	Total
<b>Plan</b>	0	0	
<b>Actual</b>	0	0	0

**V(F). State Defined Outputs****Output Target****Output #1****Output Measure**

- Direct - 4-H After School  
Not reporting on this Output for this Annual Report

**Output #2****Output Measure**

- Direct - 4-H Club - Community  
Not reporting on this Output for this Annual Report

**Output #3****Output Measure**

- Direct - 4-H Club - Project  
Not reporting on this Output for this Annual Report

**Output #4****Output Measure**

- Direct - 4-H Day Camp

Not reporting on this Output for this Annual Report

**Output #5**

**Output Measure**

- Direct - 4-H Overnight Camp  
Not reporting on this Output for this Annual Report

**Output #6**

**Output Measure**

- Direct - 4-H School Enrichment  
Not reporting on this Output for this Annual Report

**Output #7**

**Output Measure**

- Direct - 4-H Short-term  
Not reporting on this Output for this Annual Report

**Output #8**

**Output Measure**

- Direct - 4-H Special Interest  
Not reporting on this Output for this Annual Report

**Output #9**

**Output Measure**

- Direct - Collaborative or Cooperative Effort  
Not reporting on this Output for this Annual Report

**Output #10**

**Output Measure**

- Direct - Volunteer Training  
Not reporting on this Output for this Annual Report

**Output #11**

**Output Measure**

- Direct - Workshop Series  
Not reporting on this Output for this Annual Report

**Output #12**

**Output Measure**

- Direct - Conference or symposium; Planning and/or participation  
Not reporting on this Output for this Annual Report

**Output #13**

**Output Measure**

- Direct - Consultation; phone, written, in-person  
Not reporting on this Output for this Annual Report



**Output #14**

**Output Measure**

- Direct - Train-the-Trainer  
Not reporting on this Output for this Annual Report

**Output #15**

**Output Measure**

- Direct - 4-H Club, Camp, Project, Program

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	610

**Output #16**

**Output Measure**

- Direct - Educational Programs or Projects

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	358

**Output #17**

**Output Measure**

- Direct - Train the Trainer or Volunteer Training

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	33

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

<b>O. No.</b>	<b>OUTCOME NAME</b>
1	Develop a plan for increasing physical activity
2	Conduct tours of agricultural employers in Maine
3	Adopt appropriate technologies
4	Adopt lower impact lifestyles
5	Adopt the USDA dietary guidelines and the food guide pyramid
6	Assume personal responsibility for health
7	Balance roles, responsibilities, and stress
8	Be a global citizen
9	Conduct community service or outreach
10	Conduct community service or outreach using science and technology skills
11	Create and sustain effective partnerships and collaborations
12	Create learning opportunities based on principles of positive human development
13	Create learning opportunities that are safe and empowering
14	Develop a financial plan
15	Develop a sense of belonging to a community
16	Develop community resources
17	Develop literacy and critical thinking skills
18	Develop skills that promote healthy relationships

19	Engage in leadership development
20	Engage positively in their community
21	Ensure that all people feel safe and accepted
22	Facilitate meetings effectively
23	Handle animals safely
24	Identify and solve problems using science and technology skills
25	Increase capacity to achieve goals
26	Increase capacity to establish goals or make decisions
27	Integrate regular physical activity into daily life
28	Keep livestock healthy
29	Make better decisions
30	Make better decisions regarding healthy lifestyle
31	Make better decisions regarding healthy lifestyle using improved literacy and critical thinking skills
32	Manage community resources
33	Model positive group behavior to others
34	Operate equipment safely
35	Participate in leadership roles
36	Participation in 4-H Dairy projects and events
37	Practice safety
38	Support and mentor others in leadership roles

39	Take leadership role
40	Teach effectively
41	Treat all people with dignity and respect
42	Use clear and effective communication skills
43	Use new technologies
44	Work effectively with diverse groups
45	Work productively in a team
46	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture
47	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness
48	Increase the economic and social viability and sustainability of Maine communities
49	Protect and enhance Maine's natural resources and environment through sustainable stewardship
50	Collect information and communicate results
51	Increase volunteerism
52	Lead effectively
53	Promote healthy relationships
54	Protect or conserve biodiversity and habitat including native plant and animal species
55	Adopt record-keeping system
56	Develop a business plan
57	Dollars saved
58	Make better decisions using records and data

59	Use relevant UMaine Extension web-based resources
60	Adopt Self Reliance and/or Sustainable Living policies or practices as individuals or families
61	Create safe and empowering learning opportunities
62	Increase consumption of locally grown food
63	Learn about sustainable living from Extension staff members.
64	Learn about sustainable living from Extension volunteers.
65	Number of individuals applying science process skills, including incorporation of science learning in community service, enrollment in SET-related post-secondary education, and/or entrepreneurship/career success
66	Number of individuals demonstrating improved behavior in science learning, such as effective participation in school classes, independent study, career exploration, or volunteer experiences
67	Teach others about living more sustainably

**Outcome #1****1. Outcome Measures**

Develop a plan for increasing physical activity

Not Reporting on this Outcome Measure

**Outcome #2****1. Outcome Measures**

Conduct tours of agricultural employers in Maine

Not Reporting on this Outcome Measure

**Outcome #3****1. Outcome Measures**

Adopt appropriate technologies

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	246	1295

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
133	Pollution Prevention and Mitigation
134	Outdoor Recreation
724	Healthy Lifestyle
801	Individual and Family Resource Management
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities
805	Community Institutions, Health, and Social Services
806	Youth Development

**Outcome #4**

**1. Outcome Measures**

Adopt lower impact lifestyles

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	740	969

### 3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**

**What has been done**

**Results**

### 4. Associated Knowledge Areas

<b>KA Code</b>	<b>Knowledge Area</b>
134	Outdoor Recreation
724	Healthy Lifestyle
802	Human Development and Family Well-Being
806	Youth Development

#### Outcome #5

##### 1. Outcome Measures

Adopt the USDA dietary guidelines and the food guide pyramid

Not Reporting on this Outcome Measure

#### Outcome #6

##### 1. Outcome Measures

Assume personal responsibility for health

Not Reporting on this Outcome Measure

#### Outcome #7

##### 1. Outcome Measures

Balance roles, responsibilities, and stress

Not Reporting on this Outcome Measure

#### Outcome #8

##### 1. Outcome Measures

Be a global citizen

Not Reporting on this Outcome Measure

**Outcome #9**

**1. Outcome Measures**

Conduct community service or outreach

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	1400	3025

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
802	Human Development and Family Well-Being
806	Youth Development

**Outcome #10**

**1. Outcome Measures**

Conduct community service or outreach using science and technology skills

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
------	---------------------	--------



2009

244

35

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
806	Youth Development

**Outcome #11**

**1. Outcome Measures**

Create and sustain effective partnerships and collaborations

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	140	97

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
133	Pollution Prevention and Mitigation
803	Sociological and Technological Change Affecting Individuals, Families, and Communities
805	Community Institutions, Health, and Social Services

**Outcome #12**

**1. Outcome Measures**

Create learning opportunities based on principles of positive human development

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	800	1007

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #13**

**1. Outcome Measures**

Create learning opportunities that are safe and empowering

Not Reporting on this Outcome Measure

**Outcome #14**

**1. Outcome Measures**

Develop a financial plan

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	425	49

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
801	Individual and Family Resource Management

**Outcome #15**

**1. Outcome Measures**

Develop a sense of belonging to a community

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	720	62

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

#### 4. Associated Knowledge Areas

KA Code	Knowledge Area
724	Healthy Lifestyle
802	Human Development and Family Well-Being
806	Youth Development

#### Outcome #16

##### 1. Outcome Measures

Develop community resources

Not Reporting on this Outcome Measure

#### Outcome #17

##### 1. Outcome Measures

Develop literacy and critical thinking skills

Not Reporting on this Outcome Measure

#### Outcome #18

##### 1. Outcome Measures

Develop skills that promote healthy relationships

##### 2. Associated Institution Types

- 1862 Extension

##### 3a. Outcome Type:

Change in Action Outcome Measure

##### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	800	2718

##### 3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**

**What has been done**

**Results**

#### 4. Associated Knowledge Areas

<b>KA Code</b>	<b>Knowledge Area</b>
724	Healthy Lifestyle
806	Youth Development

**Outcome #19**

**1. Outcome Measures**

Engage in leadership development

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	100	209

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
134	Outdoor Recreation
724	Healthy Lifestyle
806	Youth Development

**Outcome #20**

**1. Outcome Measures**

Engage positively in their community

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	795	995

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
802	Human Development and Family Well-Being
806	Youth Development

**Outcome #21**

**1. Outcome Measures**

Ensure that all people feel safe and accepted

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	640	16

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
724	Healthy Lifestyle
806	Youth Development

**Outcome #22**

**1. Outcome Measures**

Facilitate meetings effectively

Not Reporting on this Outcome Measure

**Outcome #23**

**1. Outcome Measures**

Handle animals safely

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	410	85

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
806	Youth Development

**Outcome #24**

**1. Outcome Measures**

Identify and solve problems using science and technology skills

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	218	41

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
803	Sociological and Technological Change Affecting Individuals, Families, and Communities
806	Youth Development

**Outcome #25**

**1. Outcome Measures**

Increase capacity to achieve goals

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	100	106

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**



**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
134	Outdoor Recreation
802	Human Development and Family Well-Being
806	Youth Development

**Outcome #26**

**1. Outcome Measures**

Increase capacity to establish goals or make decisions

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	600	859

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
134	Outdoor Recreation
802	Human Development and Family Well-Being
806	Youth Development

**Outcome #27**

**1. Outcome Measures**

Integrate regular physical activity into daily life

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	530	952

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
134	Outdoor Recreation
724	Healthy Lifestyle
806	Youth Development

**Outcome #28**

**1. Outcome Measures**

Keep livestock healthy

Not Reporting on this Outcome Measure

**Outcome #29**

**1. Outcome Measures**

Make better decisions

Not Reporting on this Outcome Measure

**Outcome #30**

**1. Outcome Measures**

Make better decisions regarding healthy lifestyle

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	1260	10876

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
806	Youth Development

**Outcome #31**

**1. Outcome Measures**

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

Not Reporting on this Outcome Measure

**Outcome #32**

**1. Outcome Measures**

Manage community resources

Not Reporting on this Outcome Measure

**Outcome #33**

**1. Outcome Measures**

Model positive group behavior to others

Not Reporting on this Outcome Measure

**Outcome #34**

**1. Outcome Measures**

Operate equipment safely

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	30	97

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
134	Outdoor Recreation
724	Healthy Lifestyle
806	Youth Development

**Outcome #35**

**1. Outcome Measures**

Participate in leadership roles

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
------	---------------------	--------

2009

300

759

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
134	Outdoor Recreation
724	Healthy Lifestyle
806	Youth Development

**Outcome #36**

**1. Outcome Measures**

Participation in 4-H Dairy projects and events

Not Reporting on this Outcome Measure

**Outcome #37**

**1. Outcome Measures**

Practice safety

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	100	94

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
134	Outdoor Recreation
724	Healthy Lifestyle
806	Youth Development

**Outcome #38**

**1. Outcome Measures**

Support and mentor others in leadership roles

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	200	386

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
134	Outdoor Recreation
806	Youth Development

**Outcome #39**

**1. Outcome Measures**

Take leadership role

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	75	136

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
134	Outdoor Recreation
724	Healthy Lifestyle

**Outcome #40**

**1. Outcome Measures**

Teach effectively

Not Reporting on this Outcome Measure

**Outcome #41**

**1. Outcome Measures**

Treat all people with dignity and respect

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	720	152

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
134	Outdoor Recreation
724	Healthy Lifestyle
806	Youth Development

**Outcome #42**

**1. Outcome Measures**

Use clear and effective communication skills

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	465	68

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
134	Outdoor Recreation
724	Healthy Lifestyle
806	Youth Development



**Outcome #43**

**1. Outcome Measures**

Use new technologies

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	425	153

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
133	Pollution Prevention and Mitigation
134	Outdoor Recreation
724	Healthy Lifestyle
801	Individual and Family Resource Management
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities
805	Community Institutions, Health, and Social Services
806	Youth Development

**Outcome #44**

**1. Outcome Measures**

Work effectively with diverse groups

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	580	299

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
134	Outdoor Recreation
724	Healthy Lifestyle
803	Sociological and Technological Change Affecting Individuals, Families, and Communities
805	Community Institutions, Health, and Social Services
806	Youth Development

**Outcome #45**

**1. Outcome Measures**

Work productively in a team

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	290	1841

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

## What has been done

### Results

#### 4. Associated Knowledge Areas

KA Code	Knowledge Area
134	Outdoor Recreation
724	Healthy Lifestyle
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities
806	Youth Development

#### Outcome #46

##### 1. Outcome Measures

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture

Not Reporting on this Outcome Measure

#### Outcome #47

##### 1. Outcome Measures

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

Not Reporting on this Outcome Measure

#### Outcome #48

##### 1. Outcome Measures

Increase the economic and social viability and sustainability of Maine communities

Not Reporting on this Outcome Measure

#### Outcome #49

##### 1. Outcome Measures

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

Not Reporting on this Outcome Measure

**Outcome #50**

**1. Outcome Measures**

Collect information and communicate results

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	24	10

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
801	Individual and Family Resource Management
803	Sociological and Technological Change Affecting Individuals, Families, and Communities
805	Community Institutions, Health, and Social Services

**Outcome #51**

**1. Outcome Measures**

Increase volunteerism

Not Reporting on this Outcome Measure

**Outcome #52**

**1. Outcome Measures**

Lead effectively

Not Reporting on this Outcome Measure

**Outcome #53**

**1. Outcome Measures**

Promote healthy relationships

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	0	2066

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
802	Human Development and Family Well-Being
805	Community Institutions, Health, and Social Services
806	Youth Development

**Outcome #54**

**1. Outcome Measures**

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

Not Reporting on this Outcome Measure

**Outcome #55**

**1. Outcome Measures**

Adopt record-keeping system

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	162	219

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
133	Pollution Prevention and Mitigation
801	Individual and Family Resource Management
803	Sociological and Technological Change Affecting Individuals, Families, and Communities
805	Community Institutions, Health, and Social Services

**Outcome #56**

**1. Outcome Measures**

Develop a business plan

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	8	116

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
801	Individual and Family Resource Management
803	Sociological and Technological Change Affecting Individuals, Families, and Communities
805	Community Institutions, Health, and Social Services

**Outcome #57**

**1. Outcome Measures**

Dollars saved

Not Reporting on this Outcome Measure

**Outcome #58**

**1. Outcome Measures**

Make better decisions using records and data

Not Reporting on this Outcome Measure

**Outcome #59**

**1. Outcome Measures**

Use relevant UMaine Extension web-based resources

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	400	280814

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

#### 4. Associated Knowledge Areas

KA Code	Knowledge Area
133	Pollution Prevention and Mitigation
134	Outdoor Recreation
724	Healthy Lifestyle
801	Individual and Family Resource Management
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities
805	Community Institutions, Health, and Social Services
806	Youth Development

#### Outcome #60

##### 1. Outcome Measures

Adopt Self Reliance and/or Sustainable Living policies or practices as individuals or families

##### 2. Associated Institution Types

- 1862 Extension

##### 3a. Outcome Type:

Change in Action Outcome Measure

##### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	{No Data Entered}	2202

##### 3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**

**What has been done**

**Results**

#### 4. Associated Knowledge Areas

KA Code	Knowledge Area
801	Individual and Family Resource Management
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities



**Outcome #61**

**1. Outcome Measures**

Create safe and empowering learning opportunities

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	119

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
801	Individual and Family Resource Management
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities
805	Community Institutions, Health, and Social Services

**Outcome #62**

**1. Outcome Measures**

Increase consumption of locally grown food

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	235

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
801	Individual and Family Resource Management
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities
805	Community Institutions, Health, and Social Services

**Outcome #63**

**1. Outcome Measures**

Learn about sustainable living from Extension staff members.

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	208

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
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724	Healthy Lifestyle
801	Individual and Family Resource Management
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #64**

**1. Outcome Measures**

Learn about sustainable living from Extension volunteers.

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	176

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
801	Individual and Family Resource Management
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #65**

**1. Outcome Measures**

Number of individuals applying science process skills, including incorporation of science learning in community service, enrollment in SET-related post-secondary education, and/or entrepreneurship/career success

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	271

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
801	Individual and Family Resource Management
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #66**

**1. Outcome Measures**

Number of individuals demonstrating improved behavior in science learning, such as effective participation in school classes, independent study, career exploration, or volunteer experiences

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	4471

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
724	Healthy Lifestyle
801	Individual and Family Resource Management
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #67**

**1. Outcome Measures**

Teach others about living more sustainably

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	{No Data Entered}	2680

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
724	Healthy Lifestyle
801	Individual and Family Resource Management
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities
805	Community Institutions, Health, and Social Services

## **V(H). Planned Program (External Factors)**

### **External factors which affected outcomes**

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

### **Brief Explanation**

## **V(I). Planned Program (Evaluation Studies and Data Collection)**

### **1. Evaluation Studies Planned**

- Retrospective (post program)
- During (during program)
- Comparison between locales where the program operates and sites without program intervention

## **Evaluation Results**

## **Key Items of Evaluation**

**V(A). Planned Program (Summary)****Program # 11****1. Name of the Planned Program**

Coastal and Marine

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

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
112	Watershed Protection and Management	25%		25%	
134	Outdoor Recreation	15%		15%	
135	Aquatic and Terrestrial Wildlife	13%		13%	
307	Animal Management Systems	12%		12%	
608	Community Resource Planning and Development	35%		35%	
	<b>Total</b>	100%		100%	

**V(C). Planned Program (Inputs)****1. Actual amount of professional FTE/SYs expended this Program**

Year: 2009	Extension		Research	
	1862	1890	1862	1890
Plan	2.5	0.0	0.3	0.0
Actual	4.3	0.0	0.6	0.0

**2. Actual dollars expended in this Program (includes Carryover Funds from previous years)**

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
0	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
61660	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
537549	0	0	0

**V(D). Planned Program (Activity)****1. Brief description of the Activity**

- Applied Research in Fisheries and Aquaculture
- Assessment of Rainbow Smelt in Downeast Maine
- Atlantic Halibut Assessment and Tagging Studies
- Beach Profile Monitoring Program
- Coastal Access Forums

- Coastal and Marine Public Presentation
- General Activities - Coastal and Marine
- Interactive, Collaborative Fisheries Management Workshops
- Maine Healthy Beaches Education and Outreach
- Marine Education in Classrooms
- Oyster Garden Research

**2. Brief description of the target audience**

- Agency Staff or Professionals (Adult)
- Business Owners - current (Adult)
- Coastal Land Owners (Adult)
- Commercial Fishing Industry Members (Adult)
- Commercial Aquaculturalists (Adult)
- Commercial Fishing Industry Organization Members (Adult)
- Community Leaders (Adult)
- Community Members (Adult)
- Community Members (Youth)
- General Public (Adult)
- Homeowners (Adult)
- Municipal Officials (Adult)
- Scientists (Adult)
- Student (Adult)
- Students (Youth)
- Teachers (Adult)
- Volunteers (Adult)
- Youth (Youth)

**V(E). Planned Program (Outputs)**

**1. Standard output measures**

<b>2009</b>	<b>Direct Contacts Adults</b>	<b>Indirect Contacts Adults</b>	<b>Direct Contacts Youth</b>	<b>Indirect Contacts Youth</b>
<b>Plan</b>	1100	50250	480	0
<b>Actual</b>	2942	3187	311	14

**2. Number of Patent Applications Submitted (Standard Research Output)**

**Patent Applications Submitted**

Year: 2009  
 Plan: 0  
 Actual: 0

**Patents listed**

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

<b>2009</b>	<b>Extension</b>	<b>Research</b>	<b>Total</b>
<b>Plan</b>	0	0	
<b>Actual</b>	0	0	0



**V(F). State Defined Outputs**

**Output Target**

**Output #1**

**Output Measure**

- Direct - Applied Research

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	2	2

**Output #2**

**Output Measure**

- Direct - Collaborative or Cooperative Effort  
Not reporting on this Output for this Annual Report

**Output #3**

**Output Measure**

- Direct - Conference or symposium  
Not reporting on this Output for this Annual Report

**Output #4**

**Output Measure**

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

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	100	224

**Output #5**

**Output Measure**

- Direct - Experiential Learning  
Not reporting on this Output for this Annual Report

**Output #6**

**Output Measure**

- Direct - Public Presentation  
Not reporting on this Output for this Annual Report

**Output #7**

**Output Measure**

- Direct - Volunteer Training  
Not reporting on this Output for this Annual Report

**Output #8**

**Output Measure**

- Direct - Workshop - single session  
Not reporting on this Output for this Annual Report

**Output #9**

**Output Measure**

- Indirect - Applied Research  
Not reporting on this Output for this Annual Report

**Output #10**

**Output Measure**

- Indirect - Publication - fact sheet  
Not reporting on this Output for this Annual Report

**Output #11**

**Output Measure**

- Indirect - Website  
Not reporting on this Output for this Annual Report

**Output #12**

**Output Measure**

- Direct - Conference/Symposium

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	11

**Output #13**

**Output Measure**

- Direct - Educational Programs or Projects

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	24

**Output #14**

**Output Measure**

- Direct - Scholarship

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	9

**Output #15**

**Output Measure**

- Direct - Train the Trainer or Volunteer Training

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	71

**Output #16**

**Output Measure**

- Multiple-undefined delivery method

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	{No Data Entered}	12

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Adopt appropriate practices
2	Adopt practices that maintain long-term productivity
3	Conduct community service or outreach
4	Create and sustain effective partnerships and collaborations
5	Identify and remediate pollution sources
6	Increase levels of community participation and decision making
7	Make better decision regarding natural resource management
8	Make better decisions using science and technology skills
9	Promote community responsibility and action
10	Promote municipal responsibility and action
11	Promote personal responsibility and action
12	Use relevant UMCE web-based resources
13	Develop environmentally sound technologies and practices
14	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
15	Enhance the safety, sustainability and dependability of Maine's food supply.
16	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
17	Protect and enhance Maine's natural resources and environment through sustainable.
18	Assess community needs

19	Collect information and communicate results
20	Design projects or experiments to answer questions
21	Work towards improving water quality and eliminating pollution sources

**Outcome #1**

**1. Outcome Measures**

Adopt appropriate practices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	150	1066

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

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

**Outcome #2****1. Outcome Measures**

Adopt practices that maintain long-term productivity

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	60	131

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

Restoring Habitat -the Wild Rainbow Smelt: The wild rainbow smelt (*Osmerus mordax*), is listed by the National Marine Fisheries Service as species of concern due to over-harvesting, poor water quality, habitat degradation, reduced access to spawning grounds, and disease. Once a valuable commercial fishery with landings valued at 1.6 million pounds, the catch has plummeted to a few thousand pounds at most.

**What has been done**

The Marine Extension Team is a partnership of UMaine Extension and Maine Sea Grant, and is participating in a fisheries study to conserve and restore wild populations of rainbow smelt within the U.S. Gulf of Maine watershed. Our role has been to establish two index sites in Washington County, Maine and monitor spawning smelt populations and collecting information on water quality and habitat status. We have also documented additional smelt spawning areas throughout the down east region.

**Results**

Our work has contributed to a larger five-year study involving partners in Maine, New Hampshire, and Massachusetts and is done with funding contributed by the Maine Department of Marine Resources. Results from this effort have contributed to proposed regulations that will provide additional conservation measures for smelts within the Gulf of Maine watershed including harvest time, location, and method restrictions.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
135	Aquatic and Terrestrial Wildlife
307	Animal Management Systems

### **Outcome #3**

#### **1. Outcome Measures**

Conduct community service or outreach

Not Reporting on this Outcome Measure

### **Outcome #4**

#### **1. Outcome Measures**

Create and sustain effective partnerships and collaborations

#### **2. Associated Institution Types**

- 1862 Extension

#### **3a. Outcome Type:**

Change in Action Outcome Measure

#### **3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	20	97

#### **3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

#### **4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
608	Community Resource Planning and Development

### **Outcome #5**

#### **1. Outcome Measures**

Identify and remediate pollution sources

#### **2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	20	18

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
112	Watershed Protection and Management

**Outcome #6**

**1. Outcome Measures**

Increase levels of community participation and decision making

Not Reporting on this Outcome Measure

**Outcome #7**

**1. Outcome Measures**

Make better decision regarding natural resource management

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	10	1029



**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
112	Watershed Protection and Management
134	Outdoor Recreation
135	Aquatic and Terrestrial Wildlife
307	Animal Management Systems

**Outcome #8**

**1. Outcome Measures**

Make better decisions using science and technology skills

Not Reporting on this Outcome Measure

**Outcome #9**

**1. Outcome Measures**

Promote community responsibility and action

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	25	456

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

**KA Code**    **Knowledge Area**  
 608            Community Resource Planning and Development

**Outcome #10**

**1. Outcome Measures**

Promote municipal responsibility and action

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	25	103

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

**KA Code**    **Knowledge Area**  
 608            Community Resource Planning and Development

**Outcome #11**

**1. Outcome Measures**

Promote personal responsibility and action

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
------	---------------------	--------

2009

70

57

### 3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**

**What has been done**

**Results**

### 4. Associated Knowledge Areas

KA Code	Knowledge Area
608	Community Resource Planning and Development

#### Outcome #12

##### 1. Outcome Measures

Use relevant UMCE web-based resources

Not Reporting on this Outcome Measure

#### Outcome #13

##### 1. Outcome Measures

Develop environmentally sound technologies and practices

Not Reporting on this Outcome Measure

#### Outcome #14

##### 1. Outcome Measures

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

Not Reporting on this Outcome Measure

#### Outcome #15

##### 1. Outcome Measures

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

Not Reporting on this Outcome Measure

## **Outcome #16**

### **1. Outcome Measures**

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

Not Reporting on this Outcome Measure

## **Outcome #17**

### **1. Outcome Measures**

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

Not Reporting on this Outcome Measure

## **Outcome #18**

### **1. Outcome Measures**

Assess community needs

Not Reporting on this Outcome Measure

## **Outcome #19**

### **1. Outcome Measures**

Collect information and communicate results

### **2. Associated Institution Types**

- 1862 Extension

### **3a. Outcome Type:**

Change in Action Outcome Measure

### **3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	100	10

### **3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
112	Watershed Protection and Management
608	Community Resource Planning and Development

**Outcome #20**

**1. Outcome Measures**

Design projects or experiments to answer questions

Not Reporting on this Outcome Measure

**Outcome #21**

**1. Outcome Measures**

Work towards improving water quality and eliminating pollution sources

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	{No Data Entered}	49

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

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

## **V(H). Planned Program (External Factors)**

### **External factors which affected outcomes**

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

### **Brief Explanation**

## **V(I). Planned Program (Evaluation Studies and Data Collection)**

### **1. Evaluation Studies Planned**

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

## **Evaluation Results**

## **Key Items of Evaluation**

**V(A). Planned Program (Summary)****Program # 12****1. Name of the Planned Program**

Administrative Plan of Work; Planning and Supervision

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

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
902	Administration of Projects and Programs	100%			
	<b>Total</b>	100%			

**V(C). Planned Program (Inputs)****1. Actual amount of professional FTE/SYs expended this Program**

Year: 2009	Extension		Research	
	1862	1890	1862	1890
Plan	7.0	0.0	0.4	0.0
Actual	7.0	0.0	0.0	0.0

**2. Actual dollars expended in this Program (includes Carryover Funds from previous years)**

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
126851	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
576972	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
6867	0	0	0

**V(D). Planned Program (Activity)****1. Brief description of the Activity**

- Eat Well Administration
- Eat Well Regional Management
- Maine Agricultural Center
- Maine Planning and Reporting System
- Plan of Work Supervision

**2. Brief description of the target audience**

- Day Camp Participants (Youth)
- Employees (Adult)
- Extension - staff (Adult)

- Master Gardener Volunteers (Adult)
- Nutrition Associates (Adult)
- Teachers (Adult)
- Youth Educators (Adult)

**V(E). Planned Program (Outputs)**

**1. Standard output measures**

2009	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Plan</b>	150	0	0	0
<b>Actual</b>	73	38	71	71

**2. Number of Patent Applications Submitted (Standard Research Output)**

**Patent Applications Submitted**

Year: 2009  
 Plan: 0  
 Actual: 0

**Patents listed**

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2009	Extension	Research	Total
<b>Plan</b>	0	0	
<b>Actual</b>	0	0	0

**V(F). State Defined Outputs**

**Output Target**

**Output #1**

**Output Measure**

- Direct - Collaborative or Cooperative Effort

Year	Target	Actual
2009	{No Data Entered}	10

**Output #2**

**Output Measure**

- Indirect - Administrative Coordination

Year	Target	Actual
2009	{No Data Entered}	19



**V(G). State Defined Outcomes**

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Extension staff will conduct needs based educational outreach according to specific 5 year plans of work.
2	Create and sustain effective partnerships and collaborations

## **Outcome #1**

### **1. Outcome Measures**

Extension staff will conduct needs based educational outreach according to specific 5 year plans of work.

Not Reporting on this Outcome Measure

## **Outcome #2**

### **1. Outcome Measures**

Create and sustain effective partnerships and collaborations

### **2. Associated Institution Types**

- 1862 Extension

### **3a. Outcome Type:**

Change in Action Outcome Measure

### **3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	{No Data Entered}	97

### **3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

### **4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
902	Administration of Projects and Programs

### **V(H). Planned Program (External Factors)**

#### **External factors which affected outcomes**

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

#### **Brief Explanation**

### **V(I). Planned Program (Evaluation Studies and Data Collection)**

#### 1. Evaluation Studies Planned

- Other (Merit Review Process)

### **Evaluation Results**

### **Key Items of Evaluation**

**V(A). Planned Program (Summary)**

**Program # 13**

**1. Name of the Planned Program**

Maine Livestock Industry - For 2009, see Global Food Security and Hunger

**V(B). Program Knowledge Area(s)**

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
102	Soil, Plant, Water, Nutrient Relationships				
301	Reproductive Performance of Animals				
302	Nutrient Utilization in Animals				
307	Animal Management Systems				
308	Improved Animal Products (Before Harvest)				
311	Animal Diseases				
315	Animal Welfare/Well-Being and Protection				
401	Structures, Facilities, and General Purpose Farm Supplies				
601	Economics of Agricultural Production and Farm Management				
602	Business Management, Finance, and Taxation				
	<b>Total</b>				

**V(C). Planned Program (Inputs)**

1. Actual amount of professional FTE/SYs expended this Program

Year: 2009	Extension		Research	
	1862	1890	1862	1890
Plan	2.7	0.0	0.3	0.0
Actual	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
1862 Matching	1890 Matching	1862 Matching	1890 Matching
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
1862 All Other	1890 All Other	1862 All Other	1890 All Other
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

**V(D). Planned Program (Activity)**

**1. Brief description of the Activity**

For 2009, data related to this planned program was consolidated with other relevant information and submitted under a new planned program called Global Food Security and Hunger

**2. Brief description of the target audience**

For 2009, data related to this planned program was consolidated with other relevant information and submitted under a new planned program called Global Food Security and Hunger

**V(E). Planned Program (Outputs)****1. Standard output measures**

2009	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Plan</b>	970	840	0	0
<b>Actual</b>	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

**2. Number of Patent Applications Submitted (Standard Research Output)****Patent Applications Submitted**

Year: 2009

Plan: 0

Actual: {No Data Entered}

**Patents listed**

{No Data Entered}

**3. Publications (Standard General Output Measure)****Number of Peer Reviewed Publications**

2009	Extension	Research	Total
<b>Plan</b>	0	0	
<b>Actual</b>	{No Data Entered}	{No Data Entered}	{No Data Entered}

**V(F). State Defined Outputs****Output Target****Output #1****Output Measure**

- Direct - Collaborative or Cooperative Effort

Year	Target	Actual
2009	60	0

**Output #2****Output Measure**

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

Year	Target	Actual
2009	260	0

**Output #3**

**Output Measure**

- Direct - Forum

Year	Target	Actual
2009	5	0

**Output #4**

**Output Measure**

- Direct - Seminar

Year	Target	Actual
2009	6	0

**Output #5**

**Output Measure**

- Indirect - Publication - newsletter

Year	Target	Actual
2009	18	0

**Output #6**

**Output Measure**

- Indirect - Website

Year	Target	Actual
2009	1	0

**Output #7**

**Output Measure**

- Direct - Site visit

Year	Target	Actual
2009	30	0

**Output #8**

**Output Measure**

- Indirect - Publication - fact sheet

Year	Target	Actual
2009	1	0

**Output #9**

**Output Measure**

- Direct - Group Presentation

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	10	0

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

<b>O. No.</b>	<b>OUTCOME NAME</b>
1	Adopt appropriate management strategies
2	Adopt appropriate nutrient management strategies
3	Adopt appropriate technologies
4	Adopt practices that maintain long-term productivity
5	Adopt practices that maintain profitability
6	Develop a business plan
7	Improve animal well-being
8	Keep accurate records
9	Maintain nutrient management certification
10	Make better decisions using available diagnostics
11	Participate in Maine cattle health assurance program
12	Participate in farm animal identification program
13	Participate in livestock disease monitoring programs
14	Participate in livestock quality assurance program
15	Participate in relevant animal associations
16	Participate in the Maine grass farmer network
17	Use grasslands efficiently for feed and water quality protection
18	Use grasslands profitably



19	Use relevant UMCE web-based resources
20	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture
21	Enhance the safety, sustainability, and dependability of Maine's food supply
22	Create Jobs
23	Evaluate and adopt nutrient sources, recycling and delivery systems that produce high quality crops

## **Outcome #1**

### **1. Outcome Measures**

Adopt appropriate management strategies

### **2. Associated Institution Types**

- 1862 Extension

### **3a. Outcome Type:**

Change in Action Outcome Measure

### **3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	70	0

### **3c. Qualitative Outcome or Impact Statement**

#### **Issue (Who cares and Why)**

{No Data Entered}

#### **What has been done**

{No Data Entered}

#### **Results**

{No Data Entered}

### **4. Associated Knowledge Areas**

KA Code	Knowledge Area
307	Animal Management Systems
601	Economics of Agricultural Production and Farm Management

**Outcome #2**

**1. Outcome Measures**

Adopt appropriate nutrient management strategies

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	30	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
302	Nutrient Utilization in Animals
307	Animal Management Systems
315	Animal Welfare/Well-Being and Protection

**Outcome #3**

**1. Outcome Measures**

Adopt appropriate technologies

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	60	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

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

**Outcome #4**

**1. Outcome Measures**

Adopt practices that maintain long-term productivity

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	70	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
301	Reproductive Performance of Animals
307	Animal Management Systems
315	Animal Welfare/Well-Being and Protection
601	Economics of Agricultural Production and Farm Management

**Outcome #5**

**1. Outcome Measures**

Adopt practices that maintain profitability

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	100	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
307	Animal Management Systems
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**Outcome #6**

**1. Outcome Measures**

Develop a business plan

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	20	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
602	Business Management, Finance, and Taxation

## Outcome #7

### 1. Outcome Measures

Improve animal well-being

### 2. Associated Institution Types

- 1862 Extension

### 3a. Outcome Type:

Change in Action Outcome Measure

### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	100	0

### 3c. Qualitative Outcome or Impact Statement

#### Issue (Who cares and Why)

{No Data Entered}

#### What has been done

{No Data Entered}

#### Results

{No Data Entered}

### 4. Associated Knowledge Areas

KA Code	Knowledge Area
307	Animal Management Systems
308	Improved Animal Products (Before Harvest)
311	Animal Diseases
315	Animal Welfare/Well-Being and Protection

## Outcome #8

### 1. Outcome Measures

Keep accurate records

### 2. Associated Institution Types

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	10	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
307	Animal Management Systems
311	Animal Diseases
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**Outcome #9**

**1. Outcome Measures**

Maintain nutrient management certification

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	60	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
302	Nutrient Utilization in Animals

**Outcome #10**

**1. Outcome Measures**

Make better decisions using available diagnostics

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	100	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
307	Animal Management Systems



- 308 Improved Animal Products (Before Harvest)
- 311 Animal Diseases
- 315 Animal Welfare/Well-Being and Protection

**Outcome #11**

**1. Outcome Measures**

Participate in Maine cattle health assurance program

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	50	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

- | KA Code | Knowledge Area                            |
|---------|-------------------------------------------|
| 301     | Reproductive Performance of Animals       |
| 307     | Animal Management Systems                 |
| 308     | Improved Animal Products (Before Harvest) |
| 311     | Animal Diseases                           |
| 315     | Animal Welfare/Well-Being and Protection  |

**Outcome #12**

**1. Outcome Measures**

Participate in farm animal identification program

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	500	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
307	Animal Management Systems

**Outcome #13**

**1. Outcome Measures**

Participate in livestock disease monitoring programs

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	30	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**  
{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
307	Animal Management Systems
311	Animal Diseases
315	Animal Welfare/Well-Being and Protection

**Outcome #14**

**1. Outcome Measures**

Participate in livestock quality assurance program

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	100	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
307	Animal Management Systems
308	Improved Animal Products (Before Harvest)
311	Animal Diseases
315	Animal Welfare/Well-Being and Protection

**Outcome #15**

**1. Outcome Measures**

Participate in relevant animal associations

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	75	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
602	Business Management, Finance, and Taxation

**Outcome #16**

**1. Outcome Measures**

Participate in the Maine grass farmer network

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	180	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
307	Animal Management Systems
601	Economics of Agricultural Production and Farm Management

**Outcome #17**

**1. Outcome Measures**

Use grasslands efficiently for feed and water quality protection

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	130	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**  
{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
307	Animal Management Systems

**Outcome #18**

**1. Outcome Measures**

Use grasslands profitably

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	90	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
311	Animal Diseases
601	Economics of Agricultural Production and Farm Management

**Outcome #19**

**1. Outcome Measures**

Use relevant UMCE web-based resources

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	300	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
102	Soil, Plant, Water, Nutrient Relationships
301	Reproductive Performance of Animals
302	Nutrient Utilization in Animals
307	Animal Management Systems
308	Improved Animal Products (Before Harvest)

311	Animal Diseases
315	Animal Welfare/Well-Being and Protection
401	Structures, Facilities, and General Purpose Farm Supplies
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**Outcome #20**

**1. Outcome Measures**

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	0	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
102	Soil, Plant, Water, Nutrient Relationships
301	Reproductive Performance of Animals
302	Nutrient Utilization in Animals
307	Animal Management Systems
308	Improved Animal Products (Before Harvest)
311	Animal Diseases
315	Animal Welfare/Well-Being and Protection
401	Structures, Facilities, and General Purpose Farm Supplies
601	Economics of Agricultural Production and Farm Management



602 Business Management, Finance, and Taxation

**Outcome #21****1. Outcome Measures**

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

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	0	0

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

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

**Outcome #22**

**1. Outcome Measures**

Create Jobs

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	10	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**Outcome #23**

**1. Outcome Measures**

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

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	40	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
102	Soil, Plant, Water, Nutrient Relationships
601	Economics of Agricultural Production and Farm Management

**V(H). Planned Program (External Factors)**

**External factors which affected outcomes**

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

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**1. 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

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}

**V(A). Planned Program (Summary)****Program # 14****1. Name of the Planned Program**

Home Horticulture - For 2009, see Global Food Security and Hunger

**V(B). Program Knowledge Area(s)**

## 1. Program Knowledge Areas and Percentage

<b>KA Code</b>	<b>Knowledge Area</b>	<b>%1862 Extension</b>	<b>%1890 Extension</b>	<b>%1862 Research</b>	<b>%1890 Research</b>
102	Soil, Plant, Water, Nutrient Relationships				
111	Conservation and Efficient Use of Water				
112	Watershed Protection and Management				
132	Weather and Climate				
133	Pollution Prevention and Mitigation				
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants				
206	Basic Plant Biology				
213	Weeds Affecting Plants				
403	Waste Disposal, Recycling, and Reuse				
502	New and Improved Food Products				
	<b>Total</b>				

**V(C). Planned Program (Inputs)**

## 1. Actual amount of professional FTE/SYs expended this Program

<b>Year: 2009</b>	<b>Extension</b>		<b>Research</b>	
	<b>1862</b>	<b>1890</b>	<b>1862</b>	<b>1890</b>
Plan	7.5	0.0	0.1	0.0
Actual	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

## 2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

<b>Extension</b>		<b>Research</b>	
<b>Smith-Lever 3b &amp; 3c</b>	<b>1890 Extension</b>	<b>Hatch</b>	<b>Evans-Allen</b>
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
<b>1862 Matching</b>	<b>1890 Matching</b>	<b>1862 Matching</b>	<b>1890 Matching</b>
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
<b>1862 All Other</b>	<b>1890 All Other</b>	<b>1862 All Other</b>	<b>1890 All Other</b>
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

**V(D). Planned Program (Activity)**

**1. Brief description of the Activity**

For 2009, data related to this planned program was consolidated with other relevant information and submitted under a new planned program called Global Food Security and Hunger

**2. Brief description of the target audience**

For 2009, data related to this planned program was consolidated with other relevant information and submitted under a new planned program called Global Food Security and Hunger

**V(E). Planned Program (Outputs)**

**1. Standard output measures**

2009	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Plan</b>	5600	4000	115	0
<b>Actual</b>	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

**2. Number of Patent Applications Submitted (Standard Research Output)**

**Patent Applications Submitted**

Year: 2009  
 Plan: 0  
 Actual: {No Data Entered}

**Patents listed**

{No Data Entered}

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2009	Extension	Research	Total
<b>Plan</b>	0	0	
<b>Actual</b>	{No Data Entered}	{No Data Entered}	{No Data Entered}

**V(F). State Defined Outputs**

**Output Target**

**Output #1**

**Output Measure**

- Direct - Collaborative or Cooperative Effort

Year	Target	Actual
2009	1	0

**Output #2**

**Output Measure**

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

Year	Target	Actual
2009	2	0

**Output #3**

**Output Measure**

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

Year	Target	Actual
2009	1125	0

**Output #4**

**Output Measure**

- Direct - Course

Year	Target	Actual
2009	6	0

**Output #5**

**Output Measure**

- Direct - Demonstration Project

Year	Target	Actual
2009	8	0

**Output #6**

**Output Measure**

- Direct - Experiential Learning

Year	Target	Actual
2009	2	0

**Output #7**

**Output Measure**

- Direct - Public Presentation

Year	Target	Actual
2009	35	0

**Output #8**

**Output Measure**

- Direct - Volunteer Training

Year	Target	Actual
2009	30	0

**Output #9****Output Measure**

- Direct - Workshop - single session

Year	Target	Actual
2009	5	0

**Output #10****Output Measure**

- Indirect - Publication - booklet

Year	Target	Actual
2009	2	0

**Output #11****Output Measure**

- Indirect - Publication - fact sheet

Year	Target	Actual
2009	16	0

**Output #12****Output Measure**

- Indirect - Publication - newsletter

Year	Target	Actual
2009	13	0

**Output #13****Output Measure**

- Indirect - Website

Year	Target	Actual
2009	1	0

**Output #14****Output Measure**

- Direct - 4-H Club - Community

Year	Target	Actual
2009	1	0

**Output #15****Output Measure**

- Direct - Site visit



<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	3	0

**Output #16**

**Output Measure**

- Direct - Workshop - series

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	16	0

**Output #17**

**Output Measure**

- Indirect - Volunteer Effort

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	1	0

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

<b>O. No.</b>	<b>OUTCOME NAME</b>
1	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
2	Adopt appropriate management strategies
3	Adopt appropriate pest management practices
4	Adopt appropriate technologies
5	Adopt environmentally sound practices
6	Adopt environmentally sound technologies that improve economic viability
7	Adopt practices that maintain profitability
8	Be a mentor to other community organizations or groups
9	Complete volunteer commitment
10	Compost
11	Conduct community service or outreach
12	Expand IPM
13	Grow new crop
14	Grow new variety
15	Identify and respond to pest issues
16	Identify and respond to plant and animal disorders
17	Improve IPM
18	Improve production and quality of crops

19	Improve soil health
20	Increase consumption of locally-grown food
21	Increase crop production
22	Make appropriate cultivar choices
23	Make better decisions regarding pest management
24	Plant and harvest gardens
25	Pounds of food donated
26	Reduce the use of high-risk pesticides
27	Reduce waste stream
28	Test new crops
29	Test new production techniques
30	Test new varieties
31	Use non-chemical pest management practices
32	Use pesticides safely
33	Use relevant UMCE web-based resources
34	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture
35	Enhance the safety, sustainability, and dependability of Maine's food supply
36	Increase the economic and social viability and sustainability of Maine communities
37	Protect and enhance Maine's natural resources and environment through sustainable stewardship
38	Conserve soils

39	Create and sustain effective partnerships and collaborations
40	Develop environmentally sound technologies and practices
41	Develop local food production and distribution systems
42	Engage in leadership development
43	Train new volunteers
44	Provide learning opportunities for groups or organizations
45	Develop partnerships among organizations or groups
46	Dollars saved
47	Expand and enhance markets
48	Protect or conserve biodiversity and habitat including native plant and animal species

## **Outcome #1**

### **1. Outcome Measures**

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

### **2. Associated Institution Types**

- 1862 Extension

### **3a. Outcome Type:**

Change in Condition Outcome Measure

### **3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	0	0

### **3c. Qualitative Outcome or Impact Statement**

#### **Issue (Who cares and Why)**

{No Data Entered}

#### **What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
102	Soil, Plant, Water, Nutrient Relationships
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
132	Weather and Climate
133	Pollution Prevention and Mitigation
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants
206	Basic Plant Biology
213	Weeds Affecting Plants

**Outcome #2**

**1. Outcome Measures**

Adopt appropriate management strategies

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	550	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
206	Basic Plant Biology
502	New and Improved Food Products

**Outcome #3**

**1. Outcome Measures**

Adopt appropriate pest management practices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	90	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
206	Basic Plant Biology

**Outcome #4**

**1. Outcome Measures**

Adopt appropriate technologies

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	405	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
102	Soil, Plant, Water, Nutrient Relationships
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
132	Weather and Climate
133	Pollution Prevention and Mitigation
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants
206	Basic Plant Biology
213	Weeds Affecting Plants
403	Waste Disposal, Recycling, and Reuse
502	New and Improved Food Products

**Outcome #5**

**1. Outcome Measures**

Adopt environmentally sound practices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	50	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation

**Outcome #6**

**1. Outcome Measures**

Adopt environmentally sound technologies that improve economic viability

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	150	0

**3c. Qualitative Outcome or Impact Statement**



**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation

**Outcome #7**

**1. Outcome Measures**

Adopt practices that maintain profitability

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	80	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
---------	----------------

206 Basic Plant Biology

**Outcome #8****1. Outcome Measures**

Be a mentor to other community organizations or groups

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	30	0

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
502	New and Improved Food Products

**Outcome #9****1. Outcome Measures**

Complete volunteer commitment

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	65	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**  
{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
502	New and Improved Food Products

**Outcome #10**

**1. Outcome Measures**

Compost

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	125	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
403	Waste Disposal, Recycling, and Reuse

**Outcome #11**

**1. Outcome Measures**

Conduct community service or outreach

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	130	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
502	New and Improved Food Products

**Outcome #12**

**1. Outcome Measures**

Expand IPM

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	30	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
206	Basic Plant Biology

**Outcome #13**

**1. Outcome Measures**

Grow new crop

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	45	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
206	Basic Plant Biology
502	New and Improved Food Products

**Outcome #14**

**1. Outcome Measures**

Grow new variety

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	110	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
206	Basic Plant Biology
502	New and Improved Food Products

**Outcome #15**

**1. Outcome Measures**

Identify and respond to pest issues

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	210	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants
206	Basic Plant Biology

**Outcome #16**

**1. Outcome Measures**

Identify and respond to plant and animal disorders

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	70	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants
206	Basic Plant Biology
213	Weeds Affecting Plants

**Outcome #17**

**1. Outcome Measures**

Improve IPM

**2. Associated Institution Types**

- 1862 Extension



**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	60	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**  
{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
206	Basic Plant Biology

**Outcome #18**

**1. Outcome Measures**

Improve production and quality of crops

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	305	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
206	Basic Plant Biology

**Outcome #19**

**1. Outcome Measures**

Improve soil health

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	45	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
102	Soil, Plant, Water, Nutrient Relationships

**Outcome #20**

**1. Outcome Measures**

Increase consumption of locally-grown food

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	332	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
502	New and Improved Food Products

**Outcome #21**

**1. Outcome Measures**

Increase crop production

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	60	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**  
{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
206	Basic Plant Biology

**Outcome #22**

**1. Outcome Measures**

Make appropriate cultivar choices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	300	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
206	Basic Plant Biology
502	New and Improved Food Products

**Outcome #23**

**1. Outcome Measures**

Make better decisions regarding pest management

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	205	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
206	Basic Plant Biology

**Outcome #24**

**1. Outcome Measures**

Plant and harvest gardens

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	490	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
502	New and Improved Food Products

**Outcome #25**

**1. Outcome Measures**

Pounds of food donated

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	130300	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**  
{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
502	New and Improved Food Products

**Outcome #26**

**1. Outcome Measures**

Reduce the use of high-risk pesticides

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	10	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
133	Pollution Prevention and Mitigation
206	Basic Plant Biology

**Outcome #27**

**1. Outcome Measures**

Reduce waste stream

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	50	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
403	Waste Disposal, Recycling, and Reuse



**Outcome #28**

**1. Outcome Measures**

Test new crops

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	45	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
502	New and Improved Food Products

**Outcome #29**

**1. Outcome Measures**

Test new production techniques

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	115	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**  
{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
206	Basic Plant Biology
502	New and Improved Food Products

**Outcome #30**

**1. Outcome Measures**

Test new varieties

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	40	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
206	Basic Plant Biology
502	New and Improved Food Products

**Outcome #31**

**1. Outcome Measures**

Use non-chemical pest management practices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	25	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
206	Basic Plant Biology

**Outcome #32**

**1. Outcome Measures**

Use pesticides safely

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	60	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
133	Pollution Prevention and Mitigation
206	Basic Plant Biology

**Outcome #33**

**1. Outcome Measures**

Use relevant UMCE web-based resources

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	260	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
102	Soil, Plant, Water, Nutrient Relationships
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
132	Weather and Climate
133	Pollution Prevention and Mitigation
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants
206	Basic Plant Biology
213	Weeds Affecting Plants
403	Waste Disposal, Recycling, and Reuse
502	New and Improved Food Products

**Outcome #34**

**1. Outcome Measures**

Enhance the economic and environmental sustainability of Maine agriculture and aquaculture

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	0	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
102	Soil, Plant, Water, Nutrient Relationships
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
132	Weather and Climate
133	Pollution Prevention and Mitigation
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants
206	Basic Plant Biology
213	Weeds Affecting Plants
403	Waste Disposal, Recycling, and Reuse
502	New and Improved Food Products

**Outcome #35**

**1. Outcome Measures**

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

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	0	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
102	Soil, Plant, Water, Nutrient Relationships
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
132	Weather and Climate
133	Pollution Prevention and Mitigation
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants
206	Basic Plant Biology
213	Weeds Affecting Plants
403	Waste Disposal, Recycling, and Reuse
502	New and Improved Food Products

**Outcome #36**

**1. Outcome Measures**

Increase the economic and social viability and sustainability of Maine communities

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	0	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
102	Soil, Plant, Water, Nutrient Relationships
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
132	Weather and Climate
133	Pollution Prevention and Mitigation
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants
206	Basic Plant Biology
213	Weeds Affecting Plants
403	Waste Disposal, Recycling, and Reuse
502	New and Improved Food Products

**Outcome #37**

**1. Outcome Measures**

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

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	0	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**



{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
102	Soil, Plant, Water, Nutrient Relationships
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
132	Weather and Climate
133	Pollution Prevention and Mitigation
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants
206	Basic Plant Biology
213	Weeds Affecting Plants
403	Waste Disposal, Recycling, and Reuse
502	New and Improved Food Products

**Outcome #38**

**1. Outcome Measures**

Conserve soils

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	20	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
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102 Soil, Plant, Water, Nutrient Relationships

**Outcome #39****1. Outcome Measures**

Create and sustain effective partnerships and collaborations

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	30	0

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
112	Watershed Protection and Management

**Outcome #40****1. Outcome Measures**

Develop environmentally sound technologies and practices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	10	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**  
{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
102	Soil, Plant, Water, Nutrient Relationships
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants
206	Basic Plant Biology
213	Weeds Affecting Plants
403	Waste Disposal, Recycling, and Reuse
502	New and Improved Food Products

**Outcome #41**

**1. Outcome Measures**

Develop local food production and distribution systems

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	1	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**  
{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
502	New and Improved Food Products

**Outcome #42**

**1. Outcome Measures**

Engage in leadership development

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	10	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
112	Watershed Protection and Management

**Outcome #43**

**1. Outcome Measures**

Train new volunteers

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	0	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
502	New and Improved Food Products

**Outcome #44**

**1. Outcome Measures**

Provide learning opportunities for groups or organizations

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	43	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
206	Basic Plant Biology

**Outcome #45**

**1. Outcome Measures**

Develop partnerships among organizations or groups

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	11	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation
403	Waste Disposal, Recycling, and Reuse

**Outcome #46**

**1. Outcome Measures**

Dollars saved

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	5000	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
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111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation
403	Waste Disposal, Recycling, and Reuse
502	New and Improved Food Products

**Outcome #47**

**1. Outcome Measures**

Expand and enhance markets

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	40	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
133	Pollution Prevention and Mitigation
403	Waste Disposal, Recycling, and Reuse
502	New and Improved Food Products



**Outcome #48**

**1. Outcome Measures**

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

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	15	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
112	Watershed Protection and Management
206	Basic Plant Biology

**V(H). Planned Program (External Factors)**

**External factors which affected outcomes**

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

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies and Data Collection)**

1. Evaluation Studies Planned

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

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}

**V(A). Planned Program (Summary)****Program # 15****1. Name of the Planned Program**

Pest Management - For 2009, see Global Food Security and Hunger

**V(B). Program Knowledge Area(s)**

## 1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
211	Insects, Mites, and Other Arthropods Affecting Plants				
212	Pathogens and Nematodes Affecting Plants				
213	Weeds Affecting Plants				
215	Biological Control of Pests Affecting Plants				
216	Integrated Pest Management Systems				
721	Insects and Other Pests Affecting Humans				
	<b>Total</b>				

**V(C). Planned Program (Inputs)**

## 1. Actual amount of professional FTE/SYs expended this Program

Year: 2009	Extension		Research	
	1862	1890	1862	1890
Plan	9.7	0.0	1.1	0.0
Actual	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

## 2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
1862 Matching	1890 Matching	1862 Matching	1890 Matching
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
1862 All Other	1890 All Other	1862 All Other	1890 All Other
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

**V(D). Planned Program (Activity)**

## 1. Brief description of the Activity

For 2009, data related to this planned program was consolidated with other relevant information and submitted under a new planned program called Global Food Security and Hunger

## 2. Brief description of the target audience

For 2009, data related to this planned program was consolidated with other relevant information and submitted under a new planned program called Global Food Security and Hunger

**V(E). Planned Program (Outputs)**

**1. Standard output measures**

2009	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Plan	11550	27200	6360	0
Actual	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

**2. Number of Patent Applications Submitted (Standard Research Output)**

**Patent Applications Submitted**

Year: 2009

Plan: 0

Actual: {No Data Entered}

**Patents listed**

{No Data Entered}

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2009	Extension	Research	Total
Plan	0	0	
Actual	{No Data Entered}	{No Data Entered}	{No Data Entered}

**V(F). State Defined Outputs**

**Output Target**

**Output #1**

**Output Measure**

- Direct - AV Resource

Year	Target	Actual
2009	4	0

**Output #2**

**Output Measure**

- Direct - Collaborative or Cooperative Effort

Year	Target	Actual
2009	2455	0

**Output #3****Output Measure**

- Direct - Course

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	290	0

**Output #4****Output Measure**

- Direct - Demonstration Project

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	137	0

**Output #5****Output Measure**

- Direct - Display or exhibit

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	15	0

**Output #6****Output Measure**

- Direct - Group Presentation

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	25	0

**Output #7****Output Measure**

- Direct - Public Presentation

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	2	0

**Output #8****Output Measure**

- Direct - Seminar

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	1	0

**Output #9****Output Measure**

- Direct - Site visit

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	27	0

**Output #10**

**Output Measure**

- Direct - Volunteer Training

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	7	0

**Output #11**

**Output Measure**

- Direct - Workshop - series

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	13	0

**Output #12**

**Output Measure**

- Direct - Workshop - single session

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	14	0

**Output #13**

**Output Measure**

- Indirect - Applied Research

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	3	0

**Output #14**

**Output Measure**

- Indirect - Publication - booklet

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	1	0

**Output #15**

**Output Measure**

- Indirect - Publication - fact sheet

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	7	0

**Output #16**

**Output Measure**

- Indirect - Publication - manual

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	1000	0

**Output #17**

**Output Measure**

- Indirect - Publication - newsletter

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	44	0

**Output #18**

**Output Measure**

- Indirect - Website

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	552	0

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

<b>O. No.</b>	<b>OUTCOME NAME</b>
1	Adopt and maintain integrated pest management strategies
2	Acquire pesticide applicator certification
3	Adopt IPM strategies
4	Adopt appropriate technologies
5	Adopt practices that maintain long-term productivity
6	Adopt practices that maintain profitability
7	Develop environmentally sound technologies that improve economic viability
8	Expand IPM
9	Identify and respond to pest issues
10	Identify and respond to plant and animal disorders
11	Improve IPM
12	Maintain pesticide applicator certification
13	Make better decisions regarding pest management
14	Reduce the use of high-risk pesticides
15	Use pesticides safely
16	Use relevant UMCE web-based resources
17	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
18	Enhance the safety, sustainability, and dependability of Maine's food supply.



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Scout crops for pests

**Outcome #1****1. Outcome Measures**

Adopt and maintain integrated pest management strategies

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	1660	0

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
211	Insects, Mites, and Other Arthropods Affecting Plants
212	Pathogens and Nematodes Affecting Plants
215	Biological Control of Pests Affecting Plants
216	Integrated Pest Management Systems
721	Insects and Other Pests Affecting Humans

**Outcome #2**

**1. Outcome Measures**

Acquire pesticide applicator certification

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	590	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
216	Integrated Pest Management Systems

**Outcome #3**

**1. Outcome Measures**

Adopt IPM strategies

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	100	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**  
{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
216	Integrated Pest Management Systems

**Outcome #4**

**1. Outcome Measures**

Adopt appropriate technologies

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	650	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
211	Insects, Mites, and Other Arthropods Affecting Plants
212	Pathogens and Nematodes Affecting Plants
213	Weeds Affecting Plants
215	Biological Control of Pests Affecting Plants
216	Integrated Pest Management Systems
721	Insects and Other Pests Affecting Humans

**Outcome #5**

**1. Outcome Measures**

Adopt practices that maintain long-term productivity

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	420	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
216	Integrated Pest Management Systems

**Outcome #6**

**1. Outcome Measures**

Adopt practices that maintain profitability

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	420	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
216	Integrated Pest Management Systems

**Outcome #7**

**1. Outcome Measures**

Develop environmentally sound technologies that improve economic viability

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	200	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**  
{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
216	Integrated Pest Management Systems

**Outcome #8**

**1. Outcome Measures**

Expand IPM

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	350	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
216	Integrated Pest Management Systems

**Outcome #9**

**1. Outcome Measures**

Identify and respond to pest issues

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	3620	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
211	Insects, Mites, and Other Arthropods Affecting Plants
215	Biological Control of Pests Affecting Plants
216	Integrated Pest Management Systems
721	Insects and Other Pests Affecting Humans

**Outcome #10****1. Outcome Measures**

Identify and respond to plant and animal disorders

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	1550	0

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
211	Insects, Mites, and Other Arthropods Affecting Plants
212	Pathogens and Nematodes Affecting Plants
215	Biological Control of Pests Affecting Plants
216	Integrated Pest Management Systems
721	Insects and Other Pests Affecting Humans

**Outcome #11****1. Outcome Measures**

Improve IPM

**2. Associated Institution Types**



- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	530	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
216	Integrated Pest Management Systems

**Outcome #12**

**1. Outcome Measures**

Maintain pesticide applicator certification

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	3600	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
216	Integrated Pest Management Systems

**Outcome #13**

**1. Outcome Measures**

Make better decisions regarding pest management

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	2400	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
216	Integrated Pest Management Systems

**Outcome #14**

**1. Outcome Measures**

Reduce the use of high-risk pesticides

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	20	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
213	Weeds Affecting Plants
215	Biological Control of Pests Affecting Plants
216	Integrated Pest Management Systems

**Outcome #15**

**1. Outcome Measures**

Use pesticides safely

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	800	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**  
{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
211	Insects, Mites, and Other Arthropods Affecting Plants
212	Pathogens and Nematodes Affecting Plants
213	Weeds Affecting Plants
215	Biological Control of Pests Affecting Plants
216	Integrated Pest Management Systems
721	Insects and Other Pests Affecting Humans

**Outcome #16**

**1. Outcome Measures**

Use relevant UMCE web-based resources

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	20450	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
211	Insects, Mites, and Other Arthropods Affecting Plants
212	Pathogens and Nematodes Affecting Plants
213	Weeds Affecting Plants
215	Biological Control of Pests Affecting Plants
216	Integrated Pest Management Systems
721	Insects and Other Pests Affecting Humans

**Outcome #17**

**1. Outcome Measures**

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

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	0	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
211	Insects, Mites, and Other Arthropods Affecting Plants
212	Pathogens and Nematodes Affecting Plants
213	Weeds Affecting Plants
215	Biological Control of Pests Affecting Plants
216	Integrated Pest Management Systems
721	Insects and Other Pests Affecting Humans

**Outcome #18**

**1. Outcome Measures**

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

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	0	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
211	Insects, Mites, and Other Arthropods Affecting Plants
212	Pathogens and Nematodes Affecting Plants
213	Weeds Affecting Plants
215	Biological Control of Pests Affecting Plants

216 Integrated Pest Management Systems  
 721 Insects and Other Pests Affecting Humans

**Outcome #19**

**1. Outcome Measures**

Scout crops for pests

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	14	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
 {No Data Entered}

**What has been done**  
 {No Data Entered}

**Results**  
 {No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
211	Insects, Mites, and Other Arthropods Affecting Plants
212	Pathogens and Nematodes Affecting Plants
213	Weeds Affecting Plants
215	Biological Control of Pests Affecting Plants
216	Integrated Pest Management Systems

**V(H). Planned Program (External Factors)**

**External factors which affected outcomes**

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

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies and Data Collection)**

1. Evaluation Studies Planned

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

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}



**V(A). Planned Program (Summary)****Program # 16****1. Name of the Planned Program**

Agriculture - Sustainable Business Management - For 2009, see Global Food Security and Hunger

**V(B). Program Knowledge Area(s)**

## 1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
601	Economics of Agricultural Production and Farm Management				
602	Business Management, Finance, and Taxation				
<b>Total</b>					

**V(C). Planned Program (Inputs)**

## 1. Actual amount of professional FTE/SYs expended this Program

Year: 2009	Extension		Research	
	1862	1890	1862	1890
Plan	3.3	0.0	0.2	0.0
Actual	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

## 2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
1862 Matching	1890 Matching	1862 Matching	1890 Matching
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
1862 All Other	1890 All Other	1862 All Other	1890 All Other
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

**V(D). Planned Program (Activity)**

## 1. Brief description of the Activity

For 2009, data related to this planned program was consolidated with other relevant information and submitted under a new planned program called Global Food Security and Hunger

## 2. Brief description of the target audience

For 2009, data related to this planned program was consolidated with other relevant information and submitted under a new planned program called Global Food Security and Hunger

**V(E). Planned Program (Outputs)**

**1. Standard output measures**

2009	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Plan	3100	90900	0	0
Actual	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

**2. Number of Patent Applications Submitted (Standard Research Output)**

**Patent Applications Submitted**

Year: 2009

Plan: 0

Actual: {No Data Entered}

**Patents listed**

{No Data Entered}

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2009	Extension	Research	Total
Plan	0	0	
Actual	{No Data Entered}	{No Data Entered}	{No Data Entered}

**V(F). State Defined Outputs**

**Output Target**

**Output #1**

**Output Measure**

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

Year	Target	Actual
2009	50	0

**Output #2**

**Output Measure**

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

Year	Target	Actual
2009	50	0

**Output #3**

**Output Measure**

- Direct - Display or exhibit

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	8	0

**Output #4**

**Output Measure**

- Direct - Group Presentation

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	2	0

**Output #5**

**Output Measure**

- Direct - Public Presentation

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	12	0

**Output #6**

**Output Measure**

- Direct - Workshop - single session

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	2	0

**Output #7**

**Output Measure**

- Indirect - Applied Research

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	1	0

**Output #8**

**Output Measure**

- Indirect - Publication

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	40	0

**Output #9**

**Output Measure**

- Indirect - Publication - newsletter

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	12	0

**Output #10**

**Output Measure**

- Indirect - Radio Program

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	2	0

**Output #11**

**Output Measure**

- Indirect - Television Segment

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	4	0

**Output #12**

**Output Measure**

- Indirect - Website

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	1	0

**Output #13**

**Output Measure**

- Direct - Collaborative or Cooperative Effort

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	4	0

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Adopt appropriate management strategies
2	Develop a business plan
3	Develop a financial plan
4	Develop an estate plan for business enterprise
5	Enroll in and work with Farms for the Future
6	Keep accurate records
7	Make better decisions using accurate records
8	Manage business to achieve profit
9	Secure financing
10	Use relevant UMCE web-based resources
11	Adopt practices that maintain profitability
12	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
13	Enhance the safety, sustainability and dependability of Maine's food supply.
14	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
15	Protect and enhance Maine's natural resources and environment through sustainable.
16	Adopt appropriate technologies
17	Adopt business management practices
18	Adopt environmentally sound technologies that improve economic viability

19	Adopt practices that maintain long-term productivity
20	Create jobs
21	Decide not to create non-viable business
22	Establish a business
23	Increase business revenues

**Outcome #1****1. Outcome Measures**

Adopt appropriate management strategies

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	75	0

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**Outcome #2**

**1. Outcome Measures**

Develop a business plan

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	16	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**Outcome #3**

**1. Outcome Measures**

Develop a financial plan

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	55	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**  
{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**Outcome #4**

**1. Outcome Measures**

Develop an estate plan for business enterprise

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	15	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}



**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**Outcome #5**

**1. Outcome Measures**

Enroll in and work with Farms for the Future

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	15	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**Outcome #6**

**1. Outcome Measures**

Keep accurate records

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	65	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**Outcome #7**

**1. Outcome Measures**

Make better decisions using accurate records

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	155	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**  
{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**Outcome #8**

**1. Outcome Measures**

Manage business to achieve profit

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	10	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**Outcome #9**

**1. Outcome Measures**

Secure financing

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	60	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**Outcome #10**

**1. Outcome Measures**

Use relevant UMCE web-based resources

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	345	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**Outcome #11**

**1. Outcome Measures**

Adopt practices that maintain profitability

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	20	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**  
{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**Outcome #12**

**1. Outcome Measures**

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

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	0	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
502	null
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**Outcome #13**

**1. Outcome Measures**

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

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	0	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
502	null
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

## Outcome #14

### 1. Outcome Measures

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

### 2. Associated Institution Types

- 1862 Extension

### 3a. Outcome Type:

Change in Condition Outcome Measure

### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	0	0

### 3c. Qualitative Outcome or Impact Statement

#### Issue (Who cares and Why)

{No Data Entered}

#### What has been done

{No Data Entered}

#### Results

{No Data Entered}

### 4. Associated Knowledge Areas

KA Code	Knowledge Area
502	null
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

## Outcome #15

### 1. Outcome Measures

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

### 2. Associated Institution Types



- 1862 Extension

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	0	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
502	null
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**Outcome #16**

**1. Outcome Measures**

Adopt appropriate technologies

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	10	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**Outcome #17**

**1. Outcome Measures**

Adopt business management practices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	6	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management

602 Business Management, Finance, and Taxation

**Outcome #18****1. Outcome Measures**

Adopt environmentally sound technologies that improve economic viability

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	33	0

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**Outcome #19****1. Outcome Measures**

Adopt practices that maintain long-term productivity

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	150	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**Outcome #20**

**1. Outcome Measures**

Create jobs

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	10	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**Outcome #21**

**1. Outcome Measures**

Decide not to create non-viable business

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	4	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
601	Economics of Agricultural Production and Farm Management

602 Business Management, Finance, and Taxation

**Outcome #22****1. Outcome Measures**

Establish a business

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	1	0

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**Outcome #23****1. Outcome Measures**

Increase business revenues

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	20	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**V(H). Planned Program (External Factors)**

**External factors which affected outcomes**

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

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies and Data Collection)**

1. Evaluation Studies Planned

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

### **Evaluation Results**

{No Data Entered}

### **Key Items of Evaluation**

{No Data Entered}



**V(A). Planned Program (Summary)****Program # 17****1. Name of the Planned Program**

Sustainable Communities - For 2009, see Sustainable Energy

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

<b>KA Code</b>	<b>Knowledge Area</b>	<b>%1862 Extension</b>	<b>%1890 Extension</b>	<b>%1862 Research</b>	<b>%1890 Research</b>
111	Conservation and Efficient Use of Water				
112	Watershed Protection and Management				
133	Pollution Prevention and Mitigation				
136	Conservation of Biological Diversity				
403	Waste Disposal, Recycling, and Reuse				
605	Natural Resource and Environmental Economics				
608	Community Resource Planning and Development				
724	Healthy Lifestyle				
802	Human Development and Family Well-Being				
803	Sociological and Technological Change Affecting Individuals, Families, and Communities				
	<b>Total</b>				

**V(C). Planned Program (Inputs)****1. Actual amount of professional FTE/SYs expended this Program**

<b>Year: 2009</b>	<b>Extension</b>		<b>Research</b>	
	<b>1862</b>	<b>1890</b>	<b>1862</b>	<b>1890</b>
Plan	1.4	0.0	0.0	0.0
Actual	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

**2. Actual dollars expended in this Program (includes Carryover Funds from previous years)**

<b>Extension</b>		<b>Research</b>	
<b>Smith-Lever 3b &amp; 3c</b>	<b>1890 Extension</b>	<b>Hatch</b>	<b>Evans-Allen</b>
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
<b>1862 Matching</b>	<b>1890 Matching</b>	<b>1862 Matching</b>	<b>1890 Matching</b>
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
<b>1862 All Other</b>	<b>1890 All Other</b>	<b>1862 All Other</b>	<b>1890 All Other</b>
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

**V(D). Planned Program (Activity)****1. Brief description of the Activity**

For 2009, data related to this planned program was consolidated with other relevant information and submitted under a new planned program called Sustainable Energy

**2. Brief description of the target audience**

For 2009, data related to this planned program was consolidated with other relevant information and submitted under a new planned program called Sustainable Energy

**V(E). Planned Program (Outputs)****1. Standard output measures**

2009	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Plan</b>	585	7500	60	0
<b>Actual</b>	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

**2. Number of Patent Applications Submitted (Standard Research Output)****Patent Applications Submitted**

Year: 2009

Plan: 0

Actual: {No Data Entered}

**Patents listed**

{No Data Entered}

**3. Publications (Standard General Output Measure)****Number of Peer Reviewed Publications**

2009	Extension	Research	Total
<b>Plan</b>	0	0	
<b>Actual</b>	{No Data Entered}	{No Data Entered}	{No Data Entered}

**V(F). State Defined Outputs****Output Target****Output #1****Output Measure**

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

Year	Target	Actual
2009	2	0

**Output #2**

**Output Measure**

- Direct - Demonstration Project

Year	Target	Actual
2009	21	0

**Output #3**

**Output Measure**

- Direct - Public Presentation

Year	Target	Actual
2009	2	0

**Output #4**

**Output Measure**

- Direct - Seminar

Year	Target	Actual
2009	1	0

**Output #5**

**Output Measure**

- Direct - Workshop - series

Year	Target	Actual
2009	3	0

**Output #6**

**Output Measure**

- Direct - Workshop - single session

Year	Target	Actual
2009	3	0

**Output #7**

**Output Measure**

- Indirect - Radio Program

Year	Target	Actual
2009	24	0

**Output #8**

**Output Measure**

- Direct - Course

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	4	0

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Promote community responsibility and action
2	Promote personal responsibility and action
3	Reduce use of fossil fuels
4	Reduce waste stream
5	Reduces greenhouse gasses
6	Adopt appropriate practices
7	Adopt appropriate technologies
8	Adopt lower impact lifestyles
9	Conduct community service or outreach
10	Develop local food production and distribution systems
11	Increase consumption of locally-grown food
12	Increase levels of community participation and decision making
13	Make better decisions regarding natural resource management
14	Assess community needs
15	Balance roles, responsibilities, and stress
16	Compost
17	Facilitate community discussions
18	Increase use of Maine-produced natural resources

19	Consume less
20	Create demonstration model
21	Develop public policies or practices
22	Engage positively in their community
23	Evaluate or analyze existing public policies or practices
24	Promote healthy relationships
25	Promote municipal responsibility and action
26	Reduce pesticide use
27	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
28	Increase the economic and social viability and sustainability of Maine communities.
29	Protect and enhance Maine's natural resources and environment through sustainable stewardship.
30	Use relevant UMaine Extension web-based resources

## **Outcome #1**

### **1. Outcome Measures**

Promote community responsibility and action

### **2. Associated Institution Types**

- 1862 Extension

### **3a. Outcome Type:**

Change in Action Outcome Measure

### **3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	25	0

### **3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development

**Outcome #2**

**1. Outcome Measures**

Promote personal responsibility and action

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	70	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
802	Human Development and Family Well-Being

**Outcome #3**

**1. Outcome Measures**

Reduce use of fossil fuels

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	25	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
133	Pollution Prevention and Mitigation

**Outcome #4**

**1. Outcome Measures**

Reduce waste stream

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure



**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	20	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**  
{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
133	Pollution Prevention and Mitigation

**Outcome #5**

**1. Outcome Measures**

Reduces greenhouse gasses

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	25	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
133	Pollution Prevention and Mitigation
605	Natural Resource and Environmental Economics

**Outcome #6**

**1. Outcome Measures**

Adopt appropriate practices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	20	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation
136	Conservation of Biological Diversity
403	Waste Disposal, Recycling, and Reuse
605	Natural Resource and Environmental Economics
608	Community Resource Planning and Development
724	Healthy Lifestyle

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

**Outcome #7**

**1. Outcome Measures**

Adopt appropriate technologies

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	40	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

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

**Outcome #8****1. Outcome Measures**

Adopt lower impact lifestyles

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	15	0

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

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

**Outcome #9**

**1. Outcome Measures**

Conduct community service or outreach

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	32	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development

**Outcome #10**

**1. Outcome Measures**

Develop local food production and distribution systems

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	1	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**  
{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development

**Outcome #11**

**1. Outcome Measures**

Increase consumption of locally-grown food

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	32	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**

{No Data Entered}

#### 4. Associated Knowledge Areas

KA Code	Knowledge Area
724	Healthy Lifestyle
802	Human Development and Family Well-Being

#### Outcome #12

##### 1. Outcome Measures

Increase levels of community participation and decision making

##### 2. Associated Institution Types

- 1862 Extension

##### 3a. Outcome Type:

Change in Action Outcome Measure

##### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	42	0

##### 3c. Qualitative Outcome or Impact Statement

###### Issue (Who cares and Why)

{No Data Entered}

###### What has been done

{No Data Entered}

###### Results

{No Data Entered}

#### 4. Associated Knowledge Areas

KA Code	Knowledge Area
608	Community Resource Planning and Development

**Outcome #13**

**1. Outcome Measures**

Make better decisions regarding natural resource management

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	10	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation
136	Conservation of Biological Diversity
605	Natural Resource and Environmental Economics
608	Community Resource Planning and Development

**Outcome #14**

**1. Outcome Measures**

Assess community needs

**2. Associated Institution Types**



- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	10	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development

**Outcome #15**

**1. Outcome Measures**

Balance roles, responsibilities, and stress

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	10	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
724	Healthy Lifestyle
802	Human Development and Family Well-Being

**Outcome #16**

**1. Outcome Measures**

Compost

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	20	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
403	Waste Disposal, Recycling, and Reuse

**Outcome #17**

**1. Outcome Measures**

Facilitate community discussions

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	2	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development

**Outcome #18**

**1. Outcome Measures**

Increase use of Maine-produced natural resources

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	2	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**  
{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
605	Natural Resource and Environmental Economics

**Outcome #19**

**1. Outcome Measures**

Consume less

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	10	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**

{No Data Entered}

#### 4. Associated Knowledge Areas

KA Code	Knowledge Area
605	Natural Resource and Environmental Economics
724	Healthy Lifestyle

#### Outcome #20

##### 1. Outcome Measures

Create demonstration model

##### 2. Associated Institution Types

- 1862 Extension

##### 3a. Outcome Type:

Change in Action Outcome Measure

##### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	10	0

##### 3c. Qualitative Outcome or Impact Statement

###### Issue (Who cares and Why)

{No Data Entered}

###### What has been done

{No Data Entered}

###### Results

{No Data Entered}

#### 4. Associated Knowledge Areas

KA Code	Knowledge Area
605	Natural Resource and Environmental Economics

**Outcome #21**

**1. Outcome Measures**

Develop public policies or practices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	5	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development

**Outcome #22**

**1. Outcome Measures**

Engage positively in their community

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	10	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #23**

**1. Outcome Measures**

Evaluate or analyze existing public policies or practices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	4	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
608	Community Resource Planning and Development

**Outcome #24**

**1. Outcome Measures**

Promote healthy relationships

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	15	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
724	Healthy Lifestyle
802	Human Development and Family Well-Being



**Outcome #25**

**1. Outcome Measures**

Promote municipal responsibility and action

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	25	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development

**Outcome #26**

**1. Outcome Measures**

Reduce pesticide use

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	20	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**  
{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
133	Pollution Prevention and Mitigation

**Outcome #27**

**1. Outcome Measures**

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

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	0	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
802	Human Development and Family Well-Being

**Outcome #28**

**1. Outcome Measures**

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

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	0	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
605	Natural Resource and Environmental Economics
608	Community Resource Planning and Development
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #29****1. Outcome Measures**

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

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	0	0

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation
136	Conservation of Biological Diversity
403	Waste Disposal, Recycling, and Reuse
605	Natural Resource and Environmental Economics
608	Community Resource Planning and Development

**Outcome #30****1. Outcome Measures**

Use relevant UMaine Extension web-based resources

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	20	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

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

### **V(H). Planned Program (External Factors)**

#### **External factors which affected outcomes**

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

#### **Brief Explanation**

{No Data Entered}

### **V(I). Planned Program (Evaluation Studies and Data Collection)**

#### **1. Evaluation Studies Planned**

- Retrospective (post program)
- Before-After (before and after program)
- Comparisons between program participants (individuals, group, organizations) and non-participants
- Comparisons between different groups of individuals or program participants experiencing different levels of program intensity.

#### **Evaluation Results**

{No Data Entered}

#### **Key Items of Evaluation**

{No Data Entered}

**V(A). Planned Program (Summary)**

**Program # 18**

**1. Name of the Planned Program**

Watershed Management - For 2009, see Climate Change

**V(B). Program Knowledge Area(s)**

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
101	Appraisal of Soil Resources				
111	Conservation and Efficient Use of Water				
112	Watershed Protection and Management				
131	Alternative Uses of Land				
132	Weather and Climate				
403	Waste Disposal, Recycling, and Reuse				
901	Program and Project Design, and Statistics				
<b>Total</b>					

**V(C). Planned Program (Inputs)**

1. Actual amount of professional FTE/SYs expended this Program

Year: 2009	Extension		Research	
	1862	1890	1862	1890
Plan	1.4	0.0	0.0	0.0
Actual	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
1862 Matching	1890 Matching	1862 Matching	1890 Matching
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
1862 All Other	1890 All Other	1862 All Other	1890 All Other
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

**V(D). Planned Program (Activity)**

1. Brief description of the Activity

For 2009, data related to this planned program was consolidated with other relevant information and submitted under a new planned program called Climate Change

**2. Brief description of the target audience**

For 2009, data related to this planned program was consolidated with other relevant information and submitted under a new planned program called Climate Change

**V(E). Planned Program (Outputs)**

**1. Standard output measures**

2009	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Plan</b>	98	0	10	0
<b>Actual</b>	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

**2. Number of Patent Applications Submitted (Standard Research Output)**

**Patent Applications Submitted**

Year: 2009

Plan: 0

Actual: {No Data Entered}

**Patents listed**

{No Data Entered}

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2009	Extension	Research	Total
<b>Plan</b>	0	0	
<b>Actual</b>	{No Data Entered}	{No Data Entered}	{No Data Entered}

**V(F). State Defined Outputs**

**Output Target**

**Output #1**

**Output Measure**

- Direct - Workshop - series

Year	Target	Actual
2009	7	0

**Output #2**

**Output Measure**

- Direct - Workshop - single session

Year	Target	Actual
------	--------	--------



2009

2

0

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

<b>O. No.</b>	<b>OUTCOME NAME</b>
1	Conduct a watershed survey
2	Identify pollution sources
3	Install or enhance conservation plantings using primarily native plants
4	Install or enhance vegetated buffers
5	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness
6	Increase the economic and social viability and sustainability of Maine communities
7	Protect and enhance Maine's natural resources and environment through sustainable stewardship
8	Act on the results of a well-water test
9	Address water quality issues when making land and water use and planning decisions
10	Be involved in town government
11	Conduct community service or outreach
12	Identify and remediate pollution sources
13	Promote municipal responsibility and action
14	Test well-water
15	Use services of natural resource professionals

**Outcome #1**

**1. Outcome Measures**

Conduct a watershed survey

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	20	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
112	Watershed Protection and Management

**Outcome #2**

**1. Outcome Measures**

Identify pollution sources

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	50	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**  
{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
403	Waste Disposal, Recycling, and Reuse

**Outcome #3**

**1. Outcome Measures**

Install or enhance conservation plantings using primarily native plants

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	25	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
101	Appraisal of Soil Resources
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management

**Outcome #4**

**1. Outcome Measures**

Install or enhance vegetated buffers

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	10	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
101	Appraisal of Soil Resources
111	Conservation and Efficient Use of Water
131	Alternative Uses of Land

**Outcome #5**

**1. Outcome Measures**

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

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	0	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
101	Appraisal of Soil Resources
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
131	Alternative Uses of Land
132	Weather and Climate
403	Waste Disposal, Recycling, and Reuse
901	Program and Project Design, and Statistics

**Outcome #6**

**1. Outcome Measures**

Increase the economic and social viability and sustainability of Maine communities

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	0	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
101	Appraisal of Soil Resources
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
131	Alternative Uses of Land
132	Weather and Climate
403	Waste Disposal, Recycling, and Reuse
901	Program and Project Design, and Statistics

**Outcome #7**

**1. Outcome Measures**

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

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	0	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
101	Appraisal of Soil Resources
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
131	Alternative Uses of Land
132	Weather and Climate
403	Waste Disposal, Recycling, and Reuse
901	Program and Project Design, and Statistics

**Outcome #8**

**1. Outcome Measures**

Act on the results of a well-water test

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	10	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**



{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management

**Outcome #9**

**1. Outcome Measures**

Address water quality issues when making land and water use and planning decisions

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	2	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management

## Outcome #10

### 1. Outcome Measures

Be involved in town government

### 2. Associated Institution Types

- 1862 Extension

### 3a. Outcome Type:

Change in Action Outcome Measure

### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	5	0

### 3c. Qualitative Outcome or Impact Statement

#### Issue (Who cares and Why)

{No Data Entered}

#### What has been done

{No Data Entered}

#### Results

{No Data Entered}

### 4. Associated Knowledge Areas

KA Code	Knowledge Area
901	Program and Project Design, and Statistics

## Outcome #11

### 1. Outcome Measures

Conduct community service or outreach

### 2. Associated Institution Types

- 1862 Extension

### 3a. Outcome Type:

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	3	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
101	Appraisal of Soil Resources
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
131	Alternative Uses of Land
132	Weather and Climate
403	Waste Disposal, Recycling, and Reuse
901	Program and Project Design, and Statistics

**Outcome #12**

**1. Outcome Measures**

Identify and remediate pollution sources

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	10	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
403	Waste Disposal, Recycling, and Reuse

**Outcome #13**

**1. Outcome Measures**

Promote municipal responsibility and action

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	25	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
901	Program and Project Design, and Statistics

**Outcome #14**

**1. Outcome Measures**

Test well-water

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	20	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water

**Outcome #15**

**1. Outcome Measures**

Use services of natural resource professionals

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	20	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
901	Program and Project Design, and Statistics

**V(H). Planned Program (External Factors)**

**External factors which affected outcomes**

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

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**1. Evaluation Studies Planned**

- After Only (post program)
- null

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}

**V(A). Planned Program (Summary)****Program # 19****1. Name of the Planned Program**

Health Literacy, Disease, and Our Health Care System - Not reporting in 2009

**V(B). Program Knowledge Area(s)**

## 1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
802	Human Development and Family Well-Being				
803	Sociological and Technological Change Affecting Individuals, Families, and Communities				
805	Community Institutions, Health, and Social Services				
	<b>Total</b>				

**V(C). Planned Program (Inputs)**

## 1. Actual amount of professional FTE/SYs expended this Program

Year: 2009	Extension		Research	
	1862	1890	1862	1890
Plan	1.1	0.0	0.4	0.0
Actual	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

## 2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
1862 Matching	1890 Matching	1862 Matching	1890 Matching
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
1862 All Other	1890 All Other	1862 All Other	1890 All Other
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

**V(D). Planned Program (Activity)**

## 1. Brief description of the Activity

Not reporting for 2009

## 2. Brief description of the target audience

Not reporting for 2009



**V(E). Planned Program (Outputs)**

**1. Standard output measures**

2009	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Plan</b>	335	0	0	0
<b>Actual</b>	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

**2. Number of Patent Applications Submitted (Standard Research Output)**

**Patent Applications Submitted**

Year: 2009  
 Plan: 0  
 Actual: {No Data Entered}

**Patents listed**

{No Data Entered}

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2009	Extension	Research	Total
<b>Plan</b>	0	0	
<b>Actual</b>	{No Data Entered}	{No Data Entered}	{No Data Entered}

**V(F). State Defined Outputs**

**Output Target**

**Output #1**

**Output Measure**

- Direct - Applied Research

Year	Target	Actual
2009	1	0

**Output #2**

**Output Measure**

- Direct - Volunteer Training

Year	Target	Actual
2009	50	0

**Output #3**

**Output Measure**

- Indirect - Applied Research

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	1	0

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Adopt effective communication skills
2	Develop relationships that support independent living
3	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
4	Increase the economic and social viability and sustainability of Maine communities.
5	Assess community needs
6	Develop a shared vision for the future
7	Facilitate planning and decision-making processes that create and sustain healthy communities
8	Inventory community assets

**Outcome #1**

**1. Outcome Measures**

Adopt effective communication skills

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	75	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #2**

**1. Outcome Measures**

Develop relationships that support independent living

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	75	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**  
{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #3**

**1. Outcome Measures**

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

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	0	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities
805	Community Institutions, Health, and Social Services

**Outcome #4**

**1. Outcome Measures**

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

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	0	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities
805	Community Institutions, Health, and Social Services

## Outcome #5

### 1. Outcome Measures

Assess community needs

### 2. Associated Institution Types

- 1862 Extension

### 3a. Outcome Type:

Change in Action Outcome Measure

### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2009	20	0

### 3c. Qualitative Outcome or Impact Statement

#### Issue (Who cares and Why)

{No Data Entered}

#### What has been done

{No Data Entered}

#### Results

{No Data Entered}

### 4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services

## Outcome #6

### 1. Outcome Measures

Develop a shared vision for the future

### 2. Associated Institution Types

- 1862 Extension

### 3a. Outcome Type:

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	10	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities
805	Community Institutions, Health, and Social Services

**Outcome #7**

**1. Outcome Measures**

Facilitate planning and decision-making processes that create and sustain healthy communities

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	10	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}



**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
805	Community Institutions, Health, and Social Services

**Outcome #8**

**1. Outcome Measures**

Inventory community assets

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	20	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
805	Community Institutions, Health, and Social Services

**V(H). Planned Program (External Factors)**

**External factors which affected outcomes**

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

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies and Data Collection)**

1. Evaluation Studies Planned

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

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}

**V(A). Planned Program (Summary)**

**Program # 20**

**1. Name of the Planned Program**

Aging Lifestyles - Not reporting in 2009

**V(B). Program Knowledge Area(s)**

**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
607	Consumer Economics				
608	Community Resource Planning and Development				
723	Hazards to Human Health and Safety				
724	Healthy Lifestyle				
801	Individual and Family Resource Management				
802	Human Development and Family Well-Being				
803	Sociological and Technological Change Affecting Individuals, Families, and Communities				
805	Community Institutions, Health, and Social Services				
901	Program and Project Design, and Statistics				
903	Communication, Education, and Information Delivery				
<b>Total</b>					

**V(C). Planned Program (Inputs)**

**1. Actual amount of professional FTE/SYs expended this Program**

Year: 2009	Extension		Research	
	1862	1890	1862	1890
Plan	0.5	0.0	0.2	0.0
Actual	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

**2. Actual dollars expended in this Program (includes Carryover Funds from previous years)**

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
1862 Matching	1890 Matching	1862 Matching	1890 Matching
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
1862 All Other	1890 All Other	1862 All Other	1890 All Other
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

**V(D). Planned Program (Activity)**

**1. Brief description of the Activity**

Not reporting for 2009

**2. Brief description of the target audience**

Not reporting for 2009

**V(E). Planned Program (Outputs)**

**1. Standard output measures**

2009	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Plan</b>	158	275	0	0
<b>Actual</b>	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

**2. Number of Patent Applications Submitted (Standard Research Output)**

**Patent Applications Submitted**

Year: 2009

Plan: 0

Actual: {No Data Entered}

**Patents listed**

{No Data Entered}

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2009	Extension	Research	Total
<b>Plan</b>	0	0	
<b>Actual</b>	{No Data Entered}	{No Data Entered}	{No Data Entered}

**V(F). State Defined Outputs**

**Output Target**

**Output #1**

**Output Measure**

- Direct - Collaborative or Cooperative Effort

Year	Target	Actual
2009	6	0

**Output #2**

**Output Measure**

- Direct - Workshop - single session

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	1	0

**Output #3**

**Output Measure**

- Indirect - Website

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2009	5	0

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Balance roles, responsibilities, and stress
2	Care for and nurture others
3	Evaluate and analyze existing employer policies or practices
4	Prepare legal documents related to personal care, health care and end-of-life issues
5	Use programs and services that support independent living
6	Use relevant UMaine Extension web-based resources
7	Improve the lives of Maine citizens through positive human development, healthy lifestyles and nutrition, and lifelong wellness.
8	Increase the economic and social viability and sustainability of Maine communities.

**Outcome #1**

**1. Outcome Measures**

Balance roles, responsibilities, and stress

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	5	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

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

**Outcome #2**

**1. Outcome Measures**

Care for and nurture others

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	5	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**  
{No Data Entered}

**What has been done**  
{No Data Entered}

**Results**  
{No Data Entered}

**4. Associated Knowledge Areas**

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

**Outcome #3**

**1. Outcome Measures**

Evaluate and analyze existing employer policies or practices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	3	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**



{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

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

**Outcome #4**

**1. Outcome Measures**

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

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	5	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
607	Consumer Economics
801	Individual and Family Resource Management

### **Outcome #5**

#### **1. Outcome Measures**

Use programs and services that support independent living

#### **2. Associated Institution Types**

- 1862 Extension

#### **3a. Outcome Type:**

Change in Action Outcome Measure

#### **3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2009	5	0

#### **3c. Qualitative Outcome or Impact Statement**

##### **Issue (Who cares and Why)**

{No Data Entered}

##### **What has been done**

{No Data Entered}

##### **Results**

{No Data Entered}

#### **4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
608	Community Resource Planning and Development
802	Human Development and Family Well-Being
805	Community Institutions, Health, and Social Services

### **Outcome #6**

#### **1. Outcome Measures**

Use relevant UMaine Extension web-based resources

#### **2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	300	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

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

**Outcome #7**

**1. Outcome Measures**

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

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	0	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

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

**Outcome #8**

**1. Outcome Measures**

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

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2009	0	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

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

**V(H). Planned Program (External Factors)**

**External factors which affected outcomes**

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

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**1. Evaluation Studies Planned**

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

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}