

2014 University of Maine Extension Annual Report of Accomplishments and Results

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I. Report Overview

1. Executive Summary

The University of Maine Cooperative Extension continues to focus primarily on the Maine Food System and Youth Development. Identifying these foci has made financial decisions easier and prioritized the allocation of resources toward these programs and resulted in more substantial impacts for the citizens of our state and beyond.

While we are proud of the success stories included in this report we are very pleased to take this opportunity to share information about other activities and impacts that we are accomplishing.

Food Insecurity Activities and Education

The USDA estimates that 200,000 Mainers (15 percent of Maine's population) are food insecure. Maine is the most food insecure state in New England and the 9th most in the country. Mark Lapping, University of Southern Maine Muskie School professor reports, "As if that is not bad enough there's more to the problem. Maine imports more food than any other state in the lower 48." UMaine Extension is actively working on food insecurity by training Master Gardeners, farmers, and members of the Maine Extension Homemakers Council, and youth around the state who have devoted their efforts to making a difference in this issue. We are also addressing the fact that this issue affects children in Maine by bringing local foods to Maine schools and helping schools to garden. Extension volunteers donated 240,937 pounds of fresh produce to emergency food outlets. Our staff and volunteers provided plants and education to low income residents and coordinated Master Gardener's to support low income families who do not have transportation and would otherwise need to take a taxi to the grocery store by delivering fresh produce to their homes. We are helping low income seniors in senior housing to grow food, supporting disabled members of our community to garden and farm, and educating 4-H members about food insecurity and supporting their service learning projects to address this issue. UMaine Extension led a collaborative effort to bring together sixteen universities and colleges in Maine for the first ever Hunger Dialogue Conference. This event was successful in educating and involving other Maine colleges and college students to make a meaningful difference in the lives of those who struggle with food insecurity. [<http://extension.umaine.edu/programs/hunger-dialogue/>]

4-H Youth Development in Maine

Last year more than 20,000 youth participated in the Maine 4-H program by attending 4-H camps and learning centers, 4-H community clubs, afterschool and/or school enrichment programs. UMaine Extension's 4-H youth development program is the largest out-of-school educational program in Maine.

Over the past three years, the University of Maine Cooperative Extension's 4-H Program has increasingly become a leader and innovator in the design and delivery of informal Science, Technology, Engineering and Mathematics (STEM) education. A major focus of the 4-H program in Maine is Science (STEM), and 4-H is uniquely positioned throughout Maine to foster discovery and passion for STEM in young students, provide opportunities to explore the University of Maine campus, and encourage youth to continue their post secondary learning. In a recent study 4-H youth in Maine indicated that 74% of them would like a job

related to science, 59% want to finish college, and 25% want more education after college. Nationally, girls in 4-H are two times as likely to pursue a career in science as their peers. More than 10,200 Maine youth participated in hands-on experiential learning related to science, technology, engineering and math by engaging in numerous projects such as robotics, animal science, alternative energies, plant science and environmental science.

In addition to STEM programming more than 7,700 youth participated in our healthy lifestyles programming which includes our Eat Well Nutrition Education program that is funded through EFNEP. A third integrated program focus is citizenship and approximately 4,000 youth are involved with making a positive difference in their communities with many of these youth also participating in programs related to STEM and healthy lifestyles.

Civil Rights Accomplishments

The 2013 population estimate for Maine indicates that Maine is: 95.2% white. According to the US News and World Report (October 22, 2014), "The USA is experiencing a "great wave" of immigration - call it a 'second great wave' This second wave is dramatically increasing the diversity of counties, towns and states in much of the country. In fact by 2060 all states will have experienced greater diversity." In Maine the diversity index (the likelihood that two random people are different by race and ethnicity) in 2010 shows no change since 1960. In 2060 the diversity index increases from 0 - 25 to 26 - 40. Despite the lack of racial and ethnic diversity our faculty member working in the community development program area, has reached out and served 20% non-white audience members in her facilitation training by contacting refugee serving organizations and tribal groups. We are proud of this reach and the special efforts by faculty and program staff in the most racially and ethnically diverse counties. In these counties program staff have made connections with refugee serving organizations, non-profits organizations that advocate for minority groups, tribal groups on reservation, schools and libraries in diverse areas and with federally funded housing communities. In addition, the Senior Companion Program and the Maine AgrAbility program both have success stories include in this report. Senior Companion: <http://umaine.edu/seniorcompanion/> Maine AgrAbility <http://umaine.edu/agrability/>

Crops Yield and Pest Management

Maine's agriculturally based food system is worth \$3 billion dollars and encompasses agricultural production, processing, food safety, food security, commerce and consumption. UMaine Extension supported Maine's largest agricultural crop, potatoes, in many traditional ways and by placing a greater emphasis on rotation and alternative crop research. Soybean production, as a part of an extended three-year cropping system, has increased from 3,000 acres in 2013 to nearly 7,000 acres in 2014 as a result of our efforts. Beyond typical commodity crops, several area growers are now experimenting with small-scale, high-value crops such as hops and grapes. UMaine Extension faculty and staff also worked to support Maine's world famous wild blueberry industry by addressing pollination issues and the spotted wing drosophila (among other areas). In the past 25 years the Maine blueberry industry has increased its yield from 20 - 104 million pounds. In addition barley disease control education resulted in \$200,000 of increased revenue.

UMaine Extension Website

UMaine Extension extended its outreach in 2014 to over 2 million online visitors through its website at extension.umaine.edu. The site--a composite of 60+ interconnected websites--received more than 2.5 million pageviews from users in 220 countries. Nearly 90% of visitors came from the United States and 45% of those were from Maine. Nearly 30% used mobile devices (smartphones and tablets) to view our pages.

Visitors searched for and found information on a wide variety of topics from plant propagation to tomato blight, guinea hens to spiders, and gardening in Maine to summer camps for kids. We offered educational

slideshows, image galleries, and over 500 publications for free download. The most popular fact sheets received tens of thousands of pageviews each: Best Ways to Wash Fruits and Vegetables, Growing Raspberries and Blackberries, and Facts on Fiddleheads.

More than 50 interactive forms allowed users to request assistance, presentations, workshops, newsletters, updates, and more; report volunteer hours; register for classes and events; and make donations. Users submitted tick samples to the Tick ID Lab for identification; entered photos of chicken coops in the annual Poultry Coop Contest; and posed vegetable gardening questions to our experts. Visitors also connected to us through Facebook, Twitter, and YouTube. More than 160 how-to videos were available to visitors on our YouTube channel and embedded in our web pages. Forty-five trackable QR Codes on posters, postcards, signage, and more, pointed visitors to additional information on our website. Online surveys and user analytics continue to help us tailor the website to meet users' needs.

ME SEA Grant Collaboration Pays Many Benefits

Our ongoing collaboration with Maine Sea Grant leverages the funds we deploy and produces quality research, meaningful environmental and economic impacts while providing important educational and volunteer opportunities. Maine coastal towns survive and thrive due to tourism. The Healthy Coastal Beaches program utilizes volunteers to collect samples and tests samples to ensure visitors can access accurate and reliable information regarding ocean water quality conditions throughout the summer months. In addition Maine towns conducted stormwater management by utilizing the tools we have developed to prioritize culvert maintenance and repairs, update their ordinances to reflect current impact from extreme rain event data we provided and have an educational program in place to educate and inform citizens.

As a result, the towns have utilized the Municipal Guide to Clean Water to direct their property surveys to identify malfunctioning septic systems leading to removal of numerous grey and black water discharges throughout the watershed. This has also led to investigations and upgrades to sewer and stormwater infrastructure (approximately 30,000 linear feet collectively). In 2014, the towns posted supplemental signage at the mouth of the brook alerting the public of the potential risk of water contact in the mouth. Additionally, the towns worked together to acquire grant funds in support of a Watershed Management Plan. The condition of the watershed will be assessed, stormwater retrofitting projects and watershed restoration planning will be launched, a suite of watershed health characteristics will be monitored and public outreach and involvement will be emphasized in 2015. UMaine Cooperative Extension serves on the Steering Committee and will continue to support these and other important actions.

The voters of Maine endorsed the work of Cooperative Extension by passing a \$8.0 million bond to fund the building a new Animal and Plant Diagnostic Laboratory. This new facility will be administered by Cooperative Extension faculty and staff and support the food based economy and much more.

Thank you for the partnership of the USDA-NIFA in bringing Extension education, applied research and services to the people of Maine. We look forward to your feedback to this report.

Total Actual Amount of professional FTEs/SYs for this State

Year: 2014	Extension		Research	
	1862	1890	1862	1890
Plan	103.6	0.0	0.0	0.0
Actual	56.2	0.0	0.0	0.0

II. Merit Review Process

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

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

2. Brief Explanation

External University Panel and External Non-University Panel

In an ongoing effort to maintain valuable and relevant programming, faculty and staff engaged in formal and informal review by discipline-specific review panels and advisory groups that help to provide focus. While this results in defined programming intentions for the near- and long-term, the process is dynamic and ongoing throughout the year, and can result in new work to address emerging issues at any time.

Programming merit and success for faculty members is also reviewed by faculty peers and supervisors through reappointment, promotion, and post-tenure processes established by the faculty and administration and codified in employment contracts. A unique process exists for non-faculty programming professionals who undergo annual reviews by supervisors, and peer reviews every 4 years.

We partner with regional Extension programs in the Northeast Extension Consortium whose active vision is to coordinate translational research, education, outreach, and diversity programming to address problems, opportunities, and work force development in the Northeast region. Our primary mission is to enhance regional cooperation and improve coordination of regional Extension program initiatives for our region. Consortium partners are:

University of Connecticut
Cornell University
University of Delaware
Delaware State University
University of District of Columbia
University of New Hampshire
University of Maine
University of Maryland
Maryland Eastern Shore
University of Massachusetts
Penn State University
University of Rhode Island
University of Vermont
Rutgers University
West Virginia University
West Virginia State University

UMaine 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. Working in collaboration with three other states in developing and managing an online planning and reporting system

results in ongoing discussions around state and regional priorities and programs, opportunities for multistate work, sharing staff resources, and a much better understanding of how each of our programs are unique from others in New England.

As a result, the four states provide periodic informal merit review and feedback as a component of our partnership. Every faculty and programming professional has online access to review the programming intentions and accomplishments of staff from other states, as does the public and important stakeholders. This capacity allows for collaborative planning, evaluation, and feedback that can communicate the value of multistate accomplishments.

III. Stakeholder Input

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

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

Brief explanation.

The University of Maine Cooperative Extension has learned from our constituents that high-quality engagement takes place best when the issue is current, and have therefore chosen to engage with stakeholders on an ongoing basis as needs and issues arise. Our matrix of County-based programs involves citizen and volunteer advisory group input as an inherent part of the work, and our statewide staff works closely with community, commodity, and professional stakeholders to guide their work. Selected examples include:

- Our partnership with County-based citizen executive committees who provide direction and advice to each local Extension program in Maine and help to prioritize regional programming efforts.
- Quarterly interactions with the UMaine Board of Agriculture, a diverse stakeholder group grounded in state legislation, advises UMaine on agricultural research and Extension priorities. The Wild Blueberry Commission of Maine who represents the industry growers and processors, and who administers a state tax fund of over \$1 million.
- The Maine Potato Board composed principally of Maine-based potato farmers who offer input and advice backed up with support for research through their education and research committees. The Board also administers a state tax fund. Potatoes are Maine's most valuable commodity.
- The Maine 4-H Foundation and its volunteer governing board who work 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, Tanglewood 4-H Camp and Learning Center Board, and the Maine Board of Pesticides Control.
- We also work in partnership with discipline specific groups whose mission is to help achieve success in a given area or for a given group. Examples include the Maine Organic Farmers and Gardeners Association, Maine Science, Technology, Engineering and Math (STEM) Collaborative, Maine Math and Science Alliance, and the Sportsman's Alliance of Maine.
- We maintain an ongoing open dialogue with Maine Legislators and County Commissioners to communicate our program focus areas and to respond to the needs that have been identified

through their constituents.

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
- Use Surveys
- Other (Identify and analyze issues)

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
- Meeting with traditional Stakeholder individuals
- Other (Research using relevant current and first source data)

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
- In the Staff Hiring Process
- To Set Priorities

Brief explanation.

An example: A new programming direction came through our successful Maine Harvest for Hunger program that works with farmers, gardeners, and other volunteers across the state to donate surplus produce to those with limited access to fresh fruits and vegetables. The new initiative is the Maine Hunger Dialogues that mobilized national and international students and professionals from 17 Universities and many organizations to develop local and regional projects to actively address the issue of hunger.

Brief Explanation of what you learned from your Stakeholders

Through our partnership with the UMaine College of Natural Sciences, Forestry, and Agriculture and

the Maine Agricultural and Forest Experiment Station, we represent the Maine Agricultural Center, which supports stakeholder-driven agricultural research and Extension education for Maine. Examples of recent projects include:

- Effects of Cook Method and Time on the Safety and Quality of Maine Fiddleheads
- Survival of Streptococcus equi in Equine Compost
- Incidence of Endophyte Infected Forage in Maine Livestock Forage Success
- Evaluation of Garlic Clove/Bulb Distribution Relationship
- Exploratory study to identify business interest in local foods in the Somerset County region
- Preliminary Soil Test Calibration for High Tunnel Production
- ME Ag Weather Center Evaluation of Interpolated Weather Data for use in Agricultural Management Decisions
 - Identifying Profitable Vegetable and Small Fruit Varieties for Maine

IV. Expenditure Summary

1. Total Actual Formula dollars Allocated (prepopulated from C-REEMS)			
Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
2398680	0	0	0

2. Totalled Actual dollars from Planned Programs Inputs				
	Extension		Research	
	Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
Actual Formula	5365059	0	0	0
Actual Matching	2032576	0	0	0
Actual All Other	2327374	0	0	0
Total Actual Expended	9725009	0	0	0

3. Amount of Above Actual Formula Dollars Expended which comes from Carryover funds from previous				
Carryover	0	0	0	0

V. Planned Program Table of Content

S. No.	PROGRAM NAME
1	Maine Food System
2	Positive Youth Development
3	Sustainable Community & Economic Development
4	Administrative Plan of Work; Planning and Supervision
5	Global Food Security and Hunger
6	Climate Change
7	Sustainable Energy
8	Childhood Obesity
9	Food Safety

V(A). Planned Program (Summary)

Program # 1

1. Name of the Planned Program

Maine Food System

Reporting on this Program

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	5%			
102	Soil, Plant, Water, Nutrient Relationships	10%			
205	Plant Management Systems	10%			
206	Basic Plant Biology	1%			
213	Weeds Affecting Plants	4%			
216	Integrated Pest Management Systems	10%			
301	Reproductive Performance of Animals	1%			
307	Animal Management Systems	1%			
311	Animal Diseases	1%			
315	Animal Welfare/Well-Being and Protection	2%			
501	New and Improved Food Processing Technologies	5%			
502	New and Improved Food Products	10%			
601	Economics of Agricultural Production and Farm Management	10%			
703	Nutrition Education and Behavior	10%			
704	Nutrition and Hunger in the Population	10%			
724	Healthy Lifestyle	10%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2014	Extension		Research	
	1862	1890	1862	1890
Plan	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
Actual Paid	40.9	0.0	0.0	0.0
Actual Volunteer	11.3	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
1445055	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
49267	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
1688873	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

Planned Program: Activities and Participation

- Crop Production Activities - Direct (Club, Conference, Program, Consultation, Scholarship, or Training)
- Crop Production Activities - Indirect (Applied Research, Media, Internet, Publication, Resulting from Training)
 - Eat Well (Expanded Food and Nutrition Education Program) - Indirect (Applied Research, Media, Internet, Publication, Resulting from Training)
 - Eat Well (Expanded Food and Nutrition Education Program)- Direct (Club, Conference, Program, Consultation, Scholarship, or Training)
 - Farm Energy Activities - Direct (Club, Conference, Program, Consultation, Scholarship, or Training)
 - Farm Energy Activities - Indirect (Applied Research, Media, Internet, Publication, Resulting from Training)
 - Food Safety - Direct (Club, Conference, Program, Consultation, Scholarship, or Training)
 - Food Safety - Indirect (Applied Research, Media, Internet, Publication, Resulting from Training)
 - General Activities in Support of the Maine Food System - Direct (Club, Conference, Program, Consultation, Scholarship, or Training)
 - General Activities in Support of the Maine Food System - Indirect (Applied Research, Media, Internet, Publication, Resulting from Training)
 - Home Horticulture Activities - Indirect (Applied Research, Media, Internet, Publication, Resulting from Training)
 - Home Horticulture Activities - Direct (Club, Conference, Program, Consultation, Scholarship, or Training)
 - Livestock Activities - Direct (Club, Conference, Program, Consultation, Scholarship, or Training)
 - Livestock Activities - Indirect (Applied Research, Media, Internet, Publication, Resulting from Training)
 - Nutrition Education - Direct (Club, Conference, Program, Consultation, Scholarship, or Training)
 - Specialty Food Products - Direct (Club, Conference, Program, Consultation, Scholarship, or Training)

2. Brief description of the target audience

- 4-H Volunteers (Adult)

- 4-H Youth (Youth)
- Agricultural Producers (Adult)
- Agricultural Service Providers
- Agricultural Workers (Adult)
- Apple Growers (Adult)
- Blueberry Growers (Adult)
- Business Assist Organization Staff (Adult)
- Commercial Fishermen (Adult)
- Community Leaders (Adult)
- County Executive Committee Members (Adult)
- Cranberry Growers (Adult)
- Dairy Producers (Adult)
- Disabled Adults (Adults)
- Eat Well Participants (Adult)
- Eat Well Participants (Youth)
- Eat Well Volunteers (Adult)
- Elders or Seniors (Adult)
- Families (Adult)
- Families (Youth)
- Food Stamp Recipients (Adult)
- Forestland Owner (Adult)
- General Public (Adult)
- General Public (Youth)
- Home Gardeners (Adult)
- Home Gardeners (Youth)
- Maple Producers (Adult)
- Master Gardener Volunteers (Adult)
- Ornamental Horticulture Industry (Adult)
- Parent Educators (Adult)
- Parents (Adult)
- Pesticide Applicators (Adult)
- Potato Growers (Adult)
- Resource Managers and Scientists (Adult)
- Small or Home-Based Business Owners - Current (Adult)
- Small or Home-Based Business Owners - Potential (Adult)
- Sweet Corn Growers (Adults)
- Teachers (Adult)
- Vegetable Growers (Adult)
- Veterinarians (Adult)
- Volunteers (Adult)

3. How was eXtension used?

eXtension was not used in this program

V(E). Planned Program (Outputs)

1. Standard output measures

2014	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	217452	1064625	10304	600123

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

Year: 2014
 Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2014	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Direct; Club, Conference, Program, Consultation, Scholarship, or Training

Year	Actual
2014	18664

Output #2

Output Measure

- Indirect; Applied Research, Media, Internet, Publication, Resulting from Training

Year	Actual
2014	318578

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Pounds of food donated
2	Implement techniques to reduce effects of climate variation
3	Adopt specific food safety plans and/or policies
4	Adopt healthy dietary practices (consume nutrient-rich foods, follow current Dietary Guidelines for Americans or DASH, etc.)
5	Increase consumption and preservation of healthful, locally-grown and -produced food
6	Adopt techniques to improve soil quality
7	Adopt a water saving technique
8	Utilize Cooperation Extension to identify pest problems and determine research-based management strategies
9	Increase consumption of home-grown food
10	Adopt sound business management practices
11	Monetary value of food produced, gleaned, and donated
12	Expand a business
13	Improve efficiency
14	Increase profitability
15	Number of agencies supported
16	Make more effective business decisions
17	Reduce business management risks

18	Start a business
19	Stay in business
20	Implement practices that improve efficiency, reduce inputs and negative impacts on the environment, increase profitability, or reduce energy consumption
21	Demonstrate how to develop integrated farming systems
22	Establish new farm enterprises
23	Youth will consume more healthy foods
24	Youth will consume less unhealthy foods
25	Adopt and maintain integrated pest management strategies
26	Improve animal health and well-being
27	New crops and markets developed
28	Number of Meals
29	Number of participants who learn about food system through community forums
30	1) Implement practices that improve efficiency, reduce inputs and negative impacts on the environment, increase profitability, or reduce energy consumption 2) Improve efficiency 3) Increase profitability
31	1) Adopt healthy dietary practices (consume nutrient-rich foods, follow current Dietary Guidelines for Americans or DASH, etc.) 2) Increase consumption and preservation of healthful, locally-grown and -produced food

Outcome #1

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	Actual
2014	204937

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 #2

1. Outcome Measures

Implement techniques to reduce effects of climate variation

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	138

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

Outcome #3

1. Outcome Measures

Adopt specific food safety plans and/or policies

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	626

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Relevance - In Maine, almost two-thirds of adults are overweight or obese, a reality that has serious implications for the health of Mainers. In addition, USDA estimates that 206,000 Mainers don't have enough to eat. The contradiction between high rates of obesity and food insecurity in Maine demonstrates that poor food choice and lack of availability of nutrient-rich food significantly affect our population.

What has been done

Response - UMaine Extension's Eat Well Program provides limited-income families with free research-based, interactive education in homes and community groups. Participants learn to stretch food dollars, new ideas and recipes for healthy meals, healthy snacks options, meal planning for busy people, cooking skills, ways to make favorite recipes healthier, how to keep food safe, and tips for healthy living.

Results

Results - Program graduates in 2014 (n=278) report these results:
-62 percent plan meals in advance.
-46 percent compare prices when shopping.

- 41 percent don't run out of food before the end of the month.
 - 52 percent use a list for grocery shopping.
 - 47 percent more often think about healthy food choices when deciding what to feed their families.
 - 40 percent more often prepare foods without adding salt.
 - 61 percent more often use the "Nutrition Facts" on food labels to make food choices.
- Through pre- and post- 24-hour recalls, participants report an increase in consumption of whole grains, fruits, vegetables, dairy, and healthy oils.
- Survey data showed that program graduates (n=143) saved money on their monthly food bills as a result of their participation. The average monthly savings per household was \$36, for a total household cost savings of \$432 per year, with improved food quality. The total food cost savings for all graduated households was \$4,960 per month or \$59,520 per year.

4. Associated Knowledge Areas

KA Code	Knowledge Area
703	Nutrition Education and Behavior
704	Nutrition and Hunger in the Population

Outcome #4

1. Outcome Measures

Adopt healthy dietary practices (consume nutrient-rich foods, follow current Dietary Guidelines for Americans or DASH, etc.)

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	3709

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Eat Well- Supporting the Health of Maine Citizens

Relevance- In Maine, almost two-thirds of adults are overweight or obese, a reality that has serious implications for the health of Mainers. In addition, USDA estimates that 206,000 Mainers don't have enough to eat. The contradiction between high rates of obesity and food insecurity in Maine demonstrates that poor food choice and lack of availability of nutrient-rich food significantly affect our population.

What has been done

Response- UMaine Extension's Eat Well Program (funded by federal EFNEP dollars) provides limited-income families with free research-based, interactive education in homes and community groups. Participants learn to stretch food dollars, new ideas and recipes for healthy meals, healthy snacks options, meal planning for busy people, cooking skills, ways to make favorite recipes healthier, how to keep food safe, and tips for healthy living.

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4. Associated Knowledge Areas

KA Code	Knowledge Area
703	Nutrition Education and Behavior

Outcome #5

1. Outcome Measures

Increase consumption and preservation of healthful, locally-grown and -produced food

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	1805

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Expanding Access to Local Foods- Bringing Local Foods to Maine Schools

Relevance- Public school students consume as much as 48 percent of their meals at school during the school year. This offers an opportunity to expand access to local foods and support Maine's local food system that includes many nutrient-dense products: blueberries, potatoes, fresh vegetables, meats, seafood, and dairy. Research shows that long-lasting habits and attitudes toward food are formed early in childhood, and cultivating a taste for fresh, local foods can improve students' health long-term.

What has been done

Response- UMaine Extension established connections between the Portland Public School (PPS) food service and local farmers to encourage local food procurement by PPS. We created and implemented a research methodology to identify the students' taste preferences and ultimately increase their consumption of local foods. This included conducting taste tests at PPS cafeterias of 5,110 students in grades 5 to 12.

Results

Results- Taste test results indicate that the consumer base will support a menu featuring local procurement practices that could allow an increase in the percentage of PPS's \$1.13 million budget that is spent on local foods. The PPS taste tests showed:

- 62 percent of students are willing to try featured Maine foods.

- 88 percent of students indicate that they would eat the featured Maine food again or more often.

Portland's mayor wants to increase locally sourced foods in city schools from 30 percent to 50 percent by 2016. An increase of 20 percent in local foods spending would mean that \$226,000 more annually could go toward supporting the local food system. PPS's efforts are helped by a nearly \$100,000 USDA Farm to School grant that supports the purchase of local foods, and encourages schoolyard gardens and the inclusion of nutrition and physical activity in the curriculum to encourage students to make healthy choices everyday.

4. Associated Knowledge Areas

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
703	Nutrition Education and Behavior
704	Nutrition and Hunger in the Population

Outcome #6

1. Outcome Measures

Adopt techniques to improve soil quality

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	1013

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
205	Plant Management Systems
213	Weeds Affecting Plants

Outcome #7

1. Outcome Measures

Adopt a water saving technique

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	117

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
205	Plant Management Systems
213	Weeds Affecting Plants

Outcome #8

1. Outcome Measures

Utilize Cooperation Extension to identify pest problems and determine research-based management strategies

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	8801

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Preventing Greenhouse Pest Diseases

Relevance- Greenhouse pest management is of concern to both growers and their customers. Many growers seek to establish biological control protocols in their production, but the learning curve is steep, and hands-on experience is critical for success.

What has been done

Response- UMaine Extension collaborated with colleagues from the Maine Department of Agriculture, Conservation, and Forestry to produce the Best Greenhouse Practices Workshop in March. The program was presented at the greenhouse of a grower who uses biocontrols very effectively. The program, which featured extensive hands-on activities related to greenhouse biocontrol systems, was attended by 34 people, including 26 commercial growers, as well as

horticulture students and university and MDACF personnel.

Results

Results- Of the 12 respondents to the post-workshop survey, participants highly ranked the greenhouse tour (4.08 avg/5.0 possible), hands-on activities (4.0 avg/5.0), chance to earn pesticide credits (4.15 avg/5.0), and opportunity for networking (4.23 avg/5.0). Of the 12 respondents, 100 percent indicated that as a result of this workshop, they: (i) instituted better pest monitoring; (ii) implemented aphid banker plants; (iii) used potato cubes as a scouting method for fungus gnats; (iv) improved their pest scouting methods; and (v) cleaned their greenhouses better as a pest preventive measure. Of the 12 respondents, 75 percent implemented better recordkeeping and a higher level of scouting and planted habitat plants for beneficial Orius bugs. The total reported impact of this workshop on the businesses of the 11 people who responded was \$2,925. If just 10 percent (55, including these 11) of the approximately 550 commercial greenhouses in the state adopted these measures, it could save at least \$14,625.

4. Associated Knowledge Areas

KA Code	Knowledge Area
205	Plant Management Systems

Outcome #9

1. Outcome Measures

Increase consumption of home-grown food

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	1077

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
703	Nutrition Education and Behavior
704	Nutrition and Hunger in the Population

Outcome #10

1. Outcome Measures

Adopt sound business management practices

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	140

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

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

Outcome #11

1. Outcome Measures

Monetary value of food produced, gleamed, and donated

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	64232

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 #12

1. Outcome Measures

Expand a business

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	107

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Maine Compost School

Relevance- Maine's compost industry has grown from three or four operations in the 90's to over 50 commercial operations in 2015. The many reasons why composting is so essential are more deeply understood these days, in part because of the many issues that are going on around the globe with our environment, and also as a result of people's increased awareness of recycling and reusing. In the early stages of the industry development, there were limited educational opportunities to learn about commercial scale composting. As a result the Maine Compost School was developed. The Maine Compost School provides a mechanism for individuals to learn about compost technology and the business of composting.

What has been done

Response- The Maine Compost School is a collaborative program among UMaine Extension, the Maine Department of Environmental Protection and the Maine Department of Agriculture, Conservation and Forestry, and is the longest continuously running compost program in the United States. Located at the University of Maine Forest and Experimental Station at Highmoor Farm, it includes a full-scale commercial compost site constructed as a center of excellence for education and research. The facility provides opportunities for hands-on learning and field experiences along with traditional classroom activities. The semi-annual five-day school attracts a wide range of participants from for-profit businesses and non-profits such as schools, government agencies.

Results

Results- Since 1997 the school has served 792 U.S. and international participants. In 2014 participants from 2009-2014 were surveyed. Respondents (n=68) reported increased knowledge (100 percent), improved product quality (47 percent), and improved operational efficiency (39 percent). 124 respondents increased sales an average of \$8,500 per year. Participants started 55 new compost businesses. 134 participants increased employment, hiring a total of 8 full-time and 7 part-time workers with a total estimated annual payroll of \$305,002. Business respondents (n=30) produced a total of 82,000 cubic yards of compost with an estimated retail value of \$2.5 million. The average business employed 23 full-time and 14 part-time workers with a total estimated annual payroll of \$796,500. The school has had a positive economic impact on participants, businesses and communities, and has been an effective economic development program helping entrepreneurs successfully create and grow viable businesses in Maine and beyond.

4. Associated Knowledge Areas

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

Outcome #13

1. Outcome Measures

Improve efficiency

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	149

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

AgrAbility...Supporting Farmers of All Abilities To Remain Active on the Farm

Relevance- The average U.S. farmer is 57 years old, and farming is the seventh most dangerous job. An estimated 5,700 farmers, farm family members or workers in Maine have a chronic health condition or disability-arthritits is most common. The Maine AgrAbility Project provides no-cost aid to those facing physical or cognitive challenges in an industry that typically requires an "able body." The team also educates service providers about AgrAbility, links farmers to resources, and promotes farm safety.

What has been done

Response- UMaine Extension partners with Goodwill Industries of Northern New England, Alpha One, and collaborating state agencies to support Maine farmers in maintaining independent living, an enhanced quality of life, and farm financial sustainability. Since 2010, Maine AgrAbility has conducted over 70 customized and confidential on-farm assessments to suggest ways to adapt tools or work sites to allow farmers with disabilities to continue working.

Results

Results- Our AgrAbility specialists offer recommendations to clients, such as changing to a field-model wheelchair, adopting assistive technologies, implementing universal design for ease of use, and urging safe work methods. More than half of participants surveyed up to four years after receiving our services reported some increase in quality of life from their participation and were able to remain productive in their agriculture business. Some reported increased business opportunities, operations productivity, and revenue as a result of participating.

It takes an average of about 18 hours to complete one assessment. At \$65/hour and \$0.44/mile for an average travel distance of 300 miles, the average assessment costs about \$1,300. The team assesses about 17 farms per year, so the total annual value of the free assessment service alone is about \$22,100. The renewed grant allows Maine AgrAbility to provide assessments, advice, and aid to forestry and fisheries workers, as well as farmers.

4. Associated Knowledge Areas

KA Code	Knowledge Area
205	Plant Management Systems
301	Reproductive Performance of Animals
601	Economics of Agricultural Production and Farm Management

Outcome #14

1. Outcome Measures

Increase profitability

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	56

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Maine Grass Farmers Network- Increasing Profitability and Environmental Soundness of Dairy Farms

Relevance- Growing and effectively using pasture resources for livestock production can improve profitability and also reduce erosion, protect water resources, sequester carbon, and maintain open space. More than 274,000 acres of hay and/or pasture are grown in Maine. Organic dairy farmers must pasture their animals during grazing season. The demand for grass-fed livestock products continues to increase, but these operations need to improve profitability and environmental sustainability.

What has been done

Response- The Maine Grass Farmers Network, with UMaine Extension, produces a newsletter and videos; maintains a website; and holds an annual conference. Forage production and pasture management talks, walks, and webinars are delivered around the state and region for various clients, including beginning farmers, USDA, commodity groups, and commercial agriculture support industries. Perennial rye grass cultivar trials evaluate grazing and harvest management response, among other traits.

Results

Results- The network's 2014 grazing conference saw the highest attendance yet (110 graziers). Membership is now over 250 producers.

Improving forage and pasture management to ensure quality nutrients in terms of crude protein (CP) and digestibility improves animal performance and farm profitability. As plants mature, the concentration of CP declines in harvested material and digestibility drops. Increasing forage quality from 14 percent to 17 percent CP through more timely harvest can substantially improve farm profit. For example, if organic protein is valued at \$1.10 per pound, the change of 3

percentage points in CP would yield about 60 additional pounds of protein per ton of feed. Assuming a yield of 4 tons per acre, that represents about \$240 in protein from forage per acre, or \$24,000 on a farm that harvests 100 acres of grass and legumes for hay, pasture, or silage. Building efficiencies such as this into grass-based feeding systems can make a huge difference in profitability and animal performance.

4. Associated Knowledge Areas

KA Code	Knowledge Area
205	Plant Management Systems
501	New and Improved Food Processing Technologies
601	Economics of Agricultural Production and Farm Management

Outcome #15

1. Outcome Measures

Number of agencies supported

Not Reporting on this Outcome Measure

Outcome #16

1. Outcome Measures

Make more effective business decisions

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	177

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

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

Outcome #17

1. Outcome Measures

Reduce business management risks

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	15

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

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

Outcome #18

1. Outcome Measures

Start a business

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	133

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

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

Outcome #19

1. Outcome Measures

Stay in business

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	15

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

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

Outcome #20

1. Outcome Measures

Implement practices that improve efficiency, reduce inputs and negative impacts on the environment, increase profitability, or reduce energy consumption

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	928

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Barley Disease Control-Increasing Barley Yields and Profits

Relevance - Barley is grown in Maine for livestock feed and, to a lesser extent, for malt production. It was planted on about 22,000 acres in Maine in 2013, and the acreage is increasing. The value of Maine's barley crop in 2013 was \$3.7 million.

The cool climate and generally uniform rainfall favor spring barley production. However, the climate also means that fungal diseases such as Fusarium head blight and net blotch can limit grain yield and malting quality in Maine-grown barley.

What has been done

Response - UMaine Extension ran barley trials aimed at improving grain yields and improving malting quality through disease control. In cooperation with local grain elevators, contractors, and growers, researchers sought to identify when, and if, fungicide was necessary to protect the crop, given interactions between weather and plant development stage.

Results

Results - A disease control program for barley growers was developed and put in place on 13,000 acres of feed barley and 3,000 acres of seed and malting barley. More than 75 barley growers adopted the disease control program in 2014. Barley growers in Maine following this disease control program received over \$200,000 in increased revenue from greater barley yields and grain quality in 2014 compared to 2013. Growers, grain contractors, and elevators are planning to continue the disease control program, and in some cases, to make the practices mandatory.

4. Associated Knowledge Areas

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

Outcome #21

1. Outcome Measures

Demonstrate how to develop integrated farming systems

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	42

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Wild Blueberries-Allowing Maine to Remain Competitive in the Global Market

Relevance - About 100 million pounds of wild blueberries are produced on over 60,000 acres in Maine by 575 growers. The industry contributes over \$250 million to Maine's economy.

Understanding production costs and returns is critical in determining the appropriate level of insect pest management and pollination inputs needed to remain competitive as production increases worldwide. Invasive pests and increasing prices for honeybee colonies threaten the economic viability of small growers.

What has been done

Response - In 2009 we began research to provide growers with information on how pollination strategies for different management systems determine pest pressures on blueberry crops.

Growers must optimize increasingly expensive inputs to achieve sustainable yields. Research-based field management and yield information helps current blueberry growers define the risk and returns on investment and assists new growers in understanding the inputs needed for optimal production.

Results

Results - Growers who sample to determine pollinator density in their fields can decide if they should change their investment in rented honeybees, or if they should enhance native bee populations by planting pollinator pastures. Previously, growers invested in pollination without any factual basis.

Wild blueberry production in Maine has increased from 20 to 104 million pounds over the past 25 years. Part of this increase came from better pest management and financial information on which to base pollination decision-making. Total attributable net pollination income is \$2.2 million for rented honeybees and \$1.5 million for native bees. The attributable net income/ha for wild blueberry is \$257 for rented honeybees and \$171 for native bees. Therefore, the decision-making tools that we have provided growers so that they can determine how much to rely on honeybees versus native bees are very important. The economic impact of native bees is significant and can replace that of honeybees.

4. Associated Knowledge Areas

KA Code	Knowledge Area
102	Soil, Plant, Water, Nutrient Relationships
205	Plant Management Systems
213	Weeds Affecting Plants
601	Economics of Agricultural Production and Farm Management

Outcome #22

1. Outcome Measures

Establish new farm enterprises

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	118

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

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

Outcome #23

1. Outcome Measures

Youth will consume more healthy foods

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	2726

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Eat Well- Supporting Children's Learning and Health

Relevance- In Maine, more than a quarter of school-aged youth are overweight or obese. Additionally, more than 16 percent (206,000) of the state's people are food insecure, of whom about one-quarter are children. Food insecurity is harmful to children's physical and cognitive development. Inadequate nutrition can affect children's learning and ability to stay free from illness.

What has been done

Response- UMaine Extension's Eat Well Program (funded by federal EFNEP dollars) provides limited-income youth with research-based, interactive education on a variety of topics. Program participants learn new skills and practice behaviors that help them improve their eating habits, prepare food safely, and become more physically active.

Results

Results- Participants included 5,026 Maine youth in grades K-12 (ages 5-18) reached through a variety of community, school, and after-school programs. As a result of participating in Eat Well nutrition classes:

-80 percent (2,098 of 2,633) of youth improved their abilities to choose foods according to USDA MyPlate recommendations.

-45 percent (1,191 of 2,622) of youth use safe food handling practices more often.

-32 percent (841 of 2,626) of youth improved their physical activity practices.

?26 percent (12 of 46) of youth improved their ability to prepare simple, nutritious, affordable food.

?10 percent (6 of 60) of youth acquired skills to increase their food security.

Habits of healthy eating and regular physical activity are laid in childhood, so developing a solid foundation in these areas will help improve the health of Maine's population long term.

4. Associated Knowledge Areas

KA Code	Knowledge Area
703	Nutrition Education and Behavior
704	Nutrition and Hunger in the Population

Outcome #24

1. Outcome Measures

Youth will consume less unhealthy foods

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	55

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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- 703 Nutrition Education and Behavior
- 704 Nutrition and Hunger in the Population

Outcome #25

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	Actual
2014	20670

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
205	Plant Management Systems
213	Weeds Affecting Plants

Outcome #26

1. Outcome Measures

Improve animal health and well-being

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	319

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
301	Reproductive Performance of Animals
311	Animal Diseases
601	Economics of Agricultural Production and Farm Management

Outcome #27

1. Outcome Measures

New crops and markets developed

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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
601	Economics of Agricultural Production and Farm Management

Outcome #28

1. Outcome Measures

Number of Meals

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	11818

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 #29

1. Outcome Measures

Number of participants who learn about food system through community forums

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	243

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Maine Colleges Addressing Food Insecurity

Relevance- Maine ranks number one in New England in food insecurity among its residents, even though a host of public and private groups provide emergency food to those in need. The rate of food insecurity among Maine school-age students is 24 percent. But there is no organized effort among Maine's college campuses to address hunger in their communities or statewide. The potential for harnessing this human and intellectual resource is limitless.

What has been done

Response- UMaine Extension collaborated with the Maine Campus Compact to develop the first Maine Hunger Dialogue. Nearly 100 students and faculty from 17 Maine campuses gathered in Orono to learn about hunger and to generate action plans for ending hunger in their regions. UMaine Extension faculty secured over \$33,000 in corporate sponsorships for the event. Community groups attended to support student action planning and assist students in packing 10,000 emergency food packets for Maine food pantries.

Results

Results- To date, eight proposals have been funded. One project will raise funds for a local food bank and host a competition among eight high schools to see which school can collect and donate the most food to local pantries. Another project will analyze the extent of hunger on a community college campus and the feasibility of hosting a food bank for nontraditional students. Another proposal will establish an edible park in Bangor, where residents would work with college students to grow food with and for those in need.

Through this initiative, UMaine Extension has developed new partnerships with Maine Campus Compact, UMaine System campuses, eight corporations, and the Good Shepherd Food Bank. The foundation is now in place for student action among campuses in Maine to address hunger in more coordinated ways and to share best practices. UMaine Extension will convene a 2015 mid-

year rally for the campus teams with funding from SYSCO as the major sponsor of this initiative.

4. Associated Knowledge Areas

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

Outcome #30

1. Outcome Measures

1) Implement practices that improve efficiency, reduce inputs and negative impacts on the environment, increase profitability, or reduce energy consumption 2) Improve efficiency 3) Increase profitability

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Helping Farmers Optimize Forage Production and Quality

Relevance - New England corn silage production is estimated at 162,000 acres, with an estimated value of \$178 million for 2012. This crop accounts for a substantial portion of the cropping expenses of Northeast dairy farms. Recent environmental rules and USDA incentive programs encourage the adoption of cover crops after silage harvest. New England's short growing season and a long-standing emphasis on longer-season hybrid selection for maximum yield has hampered adoption of cover crop strategies.

Results ? Farmers planting silage corn using no-till reduced fuel use on average by 5.7 gal/ac and time in the field by 2.75 hr/ac, for total savings of about \$50/ac. At \$30/ac, the cost of planting cover crops effectively replaced nitrogen fertilizer, both in cost and N availability. Shorter-season silage corn with no-till planting freed up time for farmers to incorporate cover crops into their rotation. The improvement in forage quality without sacrificing yield increased milk production and farm profitability.

Of 103 farmers who completed a post-project survey, 33 adopted no-till corn and cover cropping on almost 3,000 ac, primarily because of economic benefits. Shorter-season corn had similar yields but higher quality than longer-season varieties, according to variety trials in ME and MA.

On one ME farm, researchers estimated that switching from a 94-day to an 85-day variety would increase income by \$670/ac (milk value of \$20/cwt), because milk production/ac increased by 3,350 lbs.

What has been done

Response - To help dairy farmers optimize overall forage production and quality, UMaine researchers organized field trials and demonstrations in three New England states. They sought to determine the benefits of cover crops, no-till, and shorter-season corn silage varieties. All three state teams conducted widespread outreach efforts throughout the region and internationally through traditional, online, and in-person methods.

Results

Results - Farmers planting silage corn using no-till reduced fuel use on average by 5.7 gal/ac and time in the field by 2.75 hr/ac, for total savings of about \$50/ac. At \$30/ac, the cost of planting cover crops effectively replaced nitrogen fertilizer, both in cost and N availability. Shorter-season silage corn with no-till planting freed up time for farmers to incorporate cover crops into their rotation. The improvement in forage quality without sacrificing yield increased milk production and farm profitability.

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4. Associated Knowledge Areas

KA Code	Knowledge Area
102	Soil, Plant, Water, Nutrient Relationships
205	Plant Management Systems
213	Weeds Affecting Plants
307	Animal Management Systems
315	Animal Welfare/Well-Being and Protection
601	Economics of Agricultural Production and Farm Management

Outcome #31

1. Outcome Measures

1) Adopt healthy dietary practices (consume nutrient-rich foods, follow current Dietary Guidelines for Americans or DASH, etc.) 2) Increase consumption and preservation of healthful, locally-grown and -produced food

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Dining with Diabetes

Relevance Washington County has high rates of diabetes-related hospitalizations, lower extremity amputations, and the highest diabetes-related death rate in the state. Few Washington County residents participate in diabetes self-management education programs. Barriers to participation include cost, lack of insurance, complexity of education programs available through the health care system, and the time, cost, and inconvenience of traveling to the closest programs, which are all outside of the county.

What has been done

Response - A free program of four 2-hour sessions was presented in four communities. Each session included a presentation, cooking demonstrations, and facilitated discussion. The first session presented a general overview. In each of sessions 2-4, how to select foods and prepare meals that favorably affect one of the "ABCs" of diabetes were addressed: A1C, Blood pressure, and Cholesterol. Fifty-five adults with type 2 diabetes, pre-diabetes, and family members participated.

Results

Results - Participants indicated that the information presented was easy to understand, the food tasted very good, and the printed materials were helpful. Six-month follow-up evaluation showed: 94 percent reported using the Plate Method to plan meals;

78 percent reported using recipes

83 percent reported lost weight

56 percent reported lower A1C (blood sugar)

61 percent reported lower blood pressure

50 percent reported lower LDL cholesterol

94 percent reported lower weight, A1C, blood pressure, or LDL cholesterol

89 percent reported lower values for at least 2 measures

44 percent reported lower values for at least 3 measures

22 percent reported lower values for all 4 measures

Based on published research, the program will likely result in decreased disability, death, and health care costs. For example, approximately \$96,000 is saved in Medicare costs for each year hemodialysis is postponed due to improved diabetes control. Reported participant influence on children and grandchildren may positively impact their elevated lifetime risk for diabetes.

4. Associated Knowledge Areas

KA Code	Knowledge Area
703	Nutrition Education and Behavior
704	Nutrition and Hunger in the Population
724	Healthy Lifestyle

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
- Populations changes (immigration, new cultural groupings, etc.)

Brief Explanation

V(I). Planned Program (Evaluation Studies)

Evaluation Results

Resulting from input received through structured and unstructured interviews, UMaine Extension ran barley trials aimed at improving grain yields and improving malting quality through disease control. In cooperation with local grain elevators, contractors, and growers, researchers sought to identify when, and if, fungicide was necessary to protect the crop, given interactions between weather and plant development stage.

Key Items of Evaluation

A disease control program for barley growers was developed and put in place on 13,000 acres of feed barley and 3,000 acres of seed and malting barley. More than 75 barley growers adopted the disease control program in 2014. Barley growers in Maine following this disease control program received over \$200,000 in increased revenue from greater barley yields and grain quality in 2014 compared to 2013.

V(A). Planned Program (Summary)

Program # 2

1. Name of the Planned Program

Positive Youth Development

Reporting on this Program

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	15%			
703	Nutrition Education and Behavior	20%			
724	Healthy Lifestyle	40%			
802	Human Development and Family Well-Being	23%			
803	Sociological and Technological Change Affecting Individuals, Families, and Communities	2%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2014	Extension		Research	
	1862	1890	1862	1890
Plan	30.5	0.0	0.0	0.0
Actual Paid	12.0	0.0	0.0	0.0
Actual Volunteer	14.1	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
3679670	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
239772	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
375599	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

- General Activities in Support of Youth - Direct (Club, Conference, Program, Consultation, Scholarship, or Training)
- General Activities in Support of Youth - Indirect (Applied Research, Media, Internet, Publication, Resulting from Training)
- Youth Development Activities - Direct (Club, Conference, Program, Consultation, Scholarship, or Training)
- Youth Development Activities - Indirect (Applied Research, Media, Internet, Publication, Resulting from Training)

2. Brief description of the target audience

- 4-H Volunteers (Adult)
- 4-H Youth (Youth)
- Community Leaders (Adult)
- Disabled Youth (Youth)
- Elders or Seniors (Adult)
- Extension - staff (Adult)
- Extension Staff (Adult)
- Families (Adult)
- Families (Youth)
- General Public (Adult)
- General Public (Youth)
- Master Gardener Volunteers (Adult)
- Parents (Adult)
- Resource Managers and Scientists (Adult)
- Teachers (Adult)
- Volunteers (Adult)

3. How was eXtension used?

eXtension was not used in this program

V(E). Planned Program (Outputs)

1. Standard output measures

2014	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	7074	300	15767	1000

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

Patent Applications Submitted

Year: 2014
 Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2014	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Direct; Club, Conference, Program, Consultation, Scholarship, or Training

Year	Actual
2014	2050

Output #2

Output Measure

- Indirect; Applied Research, Media, Internet, Publication, Resulting from Training

Year	Actual
2014	14

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Increase life skills (healthy relationships, decision making, problem solving, parenting, lifespan development, communication, etc
2	Demonstrate application of subject matter knowledge
3	Increase career aspirations & goal setting
4	Reduce carbon footprint
5	Reduce waste
6	Adopt sustainable living practices
7	Engage positively in their community
8	Train, support and mentor others in leadership roles
9	Demonstrate application of leadership skills
10	Demonstrate civic engagement
11	Assess community needs and assets
12	Strengthen community capacities, human capital, building partnerships
13	Adopt effective community strategies
14	Adopt healthy dietary practices
15	Increase consumption and preservation of healthful, locally-grown and -produced food
16	Increase consumption of home-grown food.
17	Increase partnerships

18	Demonstrate leadership skills
19	Youth will demonstrate responsibility, critical thinking and problem solving
20	Youth will demonstrate flexibility and adaptability through decision-making.
21	Youth will set goals and determine steps to reach them
22	Youth will demonstrate the ability to communicate through multiple methods and media
23	Youth will develop positive and sustained relationships
24	Youth will express positive attitudes about science.
25	Youth will see science in their futures and recognize the relevance of science.
26	Youth will demonstrate a capacity for science process skills.
27	Youth will participate in service learning/community service
28	Youth will demonstrate leadership
29	Youth have intentions for future civic engagement
30	Youth will demonstrate value and respect for other cultures.
31	Youth will consume more healthy foods
32	Youth will consume less unhealthy foods
33	Youth will follow healthy eating patterns
34	Youth will understand the benefits of physical activity
35	Youth will engage in 60 minutes or more of physical activity per day
36	Youth will reduce sedentary activity
37	Youth will engage in safety practices

38	Youth will engage in prevention practices
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Outcome #1

1. Outcome Measures

Increase life skills (healthy relationships, decision making, problem solving, parenting, lifespan development, communication, etc

Not Reporting on this Outcome Measure

Outcome #2

1. Outcome Measures

Demonstrate application of subject matter knowledge

Not Reporting on this Outcome Measure

Outcome #3

1. Outcome Measures

Increase career aspirations & goal setting

Not Reporting on this Outcome Measure

Outcome #4

1. Outcome Measures

Reduce carbon footprint

Not Reporting on this Outcome Measure

Outcome #5

1. Outcome Measures

Reduce waste

Not Reporting on this Outcome Measure

Outcome #6

1. Outcome Measures

Adopt sustainable living practices

Not Reporting on this Outcome Measure

Outcome #7

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	Actual
2014	392

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
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

Train, 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	Actual
2014	311

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

Outcome #9

1. Outcome Measures

Demonstrate application of leadership skills

Not Reporting on this Outcome Measure

Outcome #10

1. Outcome Measures

Demonstrate civic engagement

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	2573

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

Outcome #11

1. Outcome Measures

Assess community needs and assets

Not Reporting on this Outcome Measure

Outcome #12

1. Outcome Measures

Strengthen community capacities, human capital, building partnerships

Not Reporting on this Outcome Measure

Outcome #13

1. Outcome Measures

Adopt effective community strategies

Not Reporting on this Outcome Measure

Outcome #14

1. Outcome Measures

Adopt healthy dietary practices

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	2721

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 #15

1. Outcome Measures

Increase consumption and preservation of healthful, locally-grown and -produced food

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	6

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 #16

1. Outcome Measures

Increase consumption of home-grown food.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	306

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 #17

1. Outcome Measures

Increase partnerships

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	70

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
724	Healthy Lifestyle

Outcome #18

1. Outcome Measures

Demonstrate leadership skills

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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
724	Healthy Lifestyle

Outcome #19

1. Outcome Measures

Youth will demonstrate responsibility, critical thinking and problem solving

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	14484

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 #20

1. Outcome Measures

Youth will demonstrate flexibility and adaptability through decision-making.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	5991

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 #21

1. Outcome Measures

Youth will set goals and determine steps to reach them

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	6056

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 #22

1. Outcome Measures

Youth will demonstrate the ability to communicate through multiple methods and media

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	4400

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 #23

1. Outcome Measures

Youth will develop positive and sustained relationships

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	6713

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 #24

1. Outcome Measures

Youth will express positive attitudes about science.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	10443

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Summer of Science: Sparking an Interest in Science, and Reducing Summer Learning Loss Relevance; The United States must improve student proficiency in science, technology, engineering and math (STEM). In Maine, testing (2012-13) showed that more than 33 percent of 5th graders and 45 percent of 11th graders were not proficient in science. The achievement gap widens in summer for low-income students, who lose more grade equivalency due to lack of out-of-school learning opportunities. STEM education can lead to better job opportunities and increase the likelihood of youth furthering their education.

What has been done

Response; To increase science proficiency in underserved communities, UMaine Extension volunteers and staff created and delivered 4-H Summer of Science curricula to youth in grades 3-8 at 14 free- or reduced-lunch sites, 3 libraries, and 5 summer camps in 4 Maine counties. Participants included 617 youth, of whom ~25 percent were minorities and more than 50 percent were girls. At 8 sites, UMaine Extension staff recruited, trained, and supervised 18 teens to deliver the curriculum. The teens offered a total of 162 hours of programs.

Results

Results; All youth participated in at least one science experiment and 75 percent participated in at least 4 experiments. This positioned them well to return to school with reduced summer learning loss and increased interest in science. Also, it has been shown that youth involved in 4-H are more likely to pursue future courses or a career in STEM, which can improve job opportunities. This program fostered career development, leadership, and responsibility in the 18 teens trained to deliver programs. A post-teaching survey (n=13) yielded these results:

100 percent are now more likely to volunteer in their community and feel that they can make a difference through community service.

92 percent would return to teach again.

77 percent had never belonged to 4-H or participated in a 4-H activity before.

62 percent were born in Africa or the Middle East and came to the U.S. as immigrants.

The value of the work conducted by volunteers at the 22 sites was \$10,009 (\$20.10/hour based on 2013 Independent Sector research).

4. Associated Knowledge Areas

KA Code	Knowledge Area
724	Healthy Lifestyle

Outcome #25

1. Outcome Measures

Youth will see science in their futures and recognize the relevance of science.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	5675

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

STEM Ambassadors...Sparking Student Interest in STEM Careers

Relevance- 4-H can be a conduit for youth to higher education and successful careers, especially in the STEM (science, technology, engineering, and math) fields. STEM careers typically require a B.S. degree or higher. Of the 25,000 youth that Maine 4-H engages annually, 52 percent engage in a STEM program; 83 percent want to finish college, 25 percent want postgraduate education, and 73 percent want science-related jobs. Nationally, girls involved in 4-H are twice as likely to pursue science careers.

What has been done

Response- We developed a STEM Ambassadors program consisting of trained undergraduate and graduate students facilitating STEM activities for youth in schools and in after-school programs, clubs, libraries, and camps throughout Maine. Three students led activities based on four of the Maine EPSCoR Sustainability Solutions research themes and the 4-H Summer of Science aerospace engineering topic. We also provided on-campus experiences to connect youth with top faculty, staff, and students eager to share their knowledge.

Results

Results- From our short-term pilot, we found an increase in student leaders' knowledge of STEM teaching best practices, and their ability and comfort level with facilitating STEM activities. The program took one ambassador from being "on the edge" about teaching to giving her the confidence to pursue a career in education.

We saw an increase in university engagement in local communities where UMaine has not traditionally reached. Youth were extremely excited that someone from the University of Maine came to share STEM activities. Teachers are asking that the ambassadors return this academic year. Because of our success, the UMaine System Chancellor and Board of Trustees are supporting our efforts to develop a statewide network of STEM Ambassadors. We will be able to connect more youth around the state to local higher education institutions, in an effort to increase the future STEM workforce in Maine.

4. Associated Knowledge Areas

KA Code	Knowledge Area
724	Healthy Lifestyle

Outcome #26

1. Outcome Measures

Youth will demonstrate a capacity for science process skills.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	2946

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 #27

1. Outcome Measures

Youth will participate in service learning/community service

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	6458

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 #28

1. Outcome Measures

Youth will demonstrate leadership

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	6101

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 #29

1. Outcome Measures

Youth have intentions for future civic engagement

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	3920

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 #30

1. Outcome Measures

Youth will demonstrate value and respect for other cultures.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	5249

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 #31

1. Outcome Measures

Youth will consume more healthy foods

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	7903

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

Youth will consume less unhealthy foods

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	5157

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 #33

1. Outcome Measures

Youth will follow healthy eating patterns

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	5467

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 #34

1. Outcome Measures

Youth will understand the benefits of physical activity

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	5028

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 #35

1. Outcome Measures

Youth will engage in 60 minutes or more of physical activity per day

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	5576

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

Youth will reduce sedentary activity

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	7557

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 #37

1. Outcome Measures

Youth will engage in safety practices

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	5318

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 #38

1. Outcome Measures

Youth will engage in prevention practices

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	677

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

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Natural Disasters (drought, weather extremes, etc.)
- Economy
- Populations changes (immigration, new cultural groupings, etc.)

Brief Explanation

{No Data Entered}

V(I). Planned Program (Evaluation Studies)

Evaluation Results

Resulting from research of first source evaluation data and research results, we developed a STEM Ambassadors program consisting of trained undergraduate and graduate students facilitating STEM activities for youth in schools and in after-school programs, clubs, libraries, and camps throughout Maine. Three students led activities based on four of the Maine EPSCoR Sustainability Solutions Initiative research themes and the 4-H Summer of Science aerospace engineering topic. We also provided on-campus experiences to connect youth with top faculty, staff, and students eager to share their knowledge.

Key Items of Evaluation

From our short-term pilot, we found an increase in student leaders' knowledge of STEM teaching best practices, and their ability and comfort level with facilitating STEM activities. We saw an increase in university engagement in local communities where UMaine has not traditionally reached. Youth were extremely excited that someone from the University of Maine came to share STEM activities, and expressed their intentions to pursue a higher level of degree with STEM disciplines.

V(A). Planned Program (Summary)

Program # 3

1. Name of the Planned Program

Sustainable Community & Economic Development

Reporting on this Program

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
602	Business Management, Finance, and Taxation	40%			
604	Marketing and Distribution Practices	10%			
607	Consumer Economics	5%			
608	Community Resource Planning and Development	30%			
801	Individual and Family Resource Management	15%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2014	Extension		Research	
	1862	1890	1862	1890
Plan	11.9	0.0	0.0	0.0
Actual Paid	6.6	0.0	0.0	0.0
Actual Volunteer	2.0	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
240334	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
1743537	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
262902	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

- Create Connecting Kids to e-Commerce Curriculum
- General activities in support of Sustainable Community and Economic Development (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
 - General activities in support of Sustainable Community and Economic Development (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
 - Personal and Family Resource Management Education (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
 - Personal and Family Resource Management Education (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
 - Resource Development and Management for Sustainable Communities (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
 - Resource Development and Management for Sustainable Communities (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
 - Small and Home Based Business Management Education (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
 - Small and Home Based Business Management Education (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
 - Tourism Economic Development Education (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
 - Tourism Economic Development Education (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)

2. Brief description of the target audience

- Agricultural Producers (Adult)
- Business Assist Organization Staff (Adult)
- Community Leaders (Adult)
- Extension - staff (Adult)
- Families (Adult)
- General Public (Adult)
- Small or Home-Based Business Owners - Current (Adult)
- Small or Home-Based Business Owners - Potential (Adult)
- Volunteers (Adult)
- 4-H Youth (Youth)
- Extension Staff (Adult)
- Families (Youth)
- General Public (Youth)

3. How was eXtension used?

eXtension was not used in this program

V(E). Planned Program (Outputs)

1. Standard output measures

2014	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	5296	11447	372	15

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

Patent Applications Submitted

Year: 2014

Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2014	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Direct; Club, Conference, Program, Consultation, Scholarship, or Training

Year	Actual
2014	1023

Output #2

Output Measure

- Indirect; Applied Research, Media, Internet, Publication, Resulting from Training

Year	Actual
2014	120

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Adopt sound business management practices
2	Increase profitability
3	Create jobs
4	Increase career aspirations and goal setting
5	Assess community needs and assets
6	Adopt effective community strategies
7	Mobilize community capacities, assets or resources
8	Assess current and projected impacts of climate change and adopt effective strategies to respond to and mitigate such change
9	Develop and assess a financial plan for managing household resources
10	Adopt a sustainable household budget
11	Make informed financial decisions
12	Model positive financial management behaviors to others
13	Engage positively in their community
14	Train, support and mentor others in leadership roles
15	Demonstrate leadership skills
16	Expand a business
17	Hire employees

18	Improve efficiency
19	Increase partnerships
20	Increase sales
21	Make more effective business decisions
22	Reconsider business plan
23	Reduce business management risks
24	Start a business
25	Stay in business
26	Implement practices that improve efficiency, reduce inputs and negative
27	Adopt sustainable living practices
28	Demonstrate civic engagement
29	Establish new farm enterprises
30	Youth will engage in safety practices
31	New crops and markets developed

Outcome #1

1. Outcome Measures

Adopt sound business management practices

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	638

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 #2

1. Outcome Measures

Increase profitability

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	116

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

Outcome #3

1. Outcome Measures

Create jobs

Not Reporting on this Outcome Measure

Outcome #4

1. Outcome Measures

Increase career aspirations and goal setting

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	93

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
801	Individual and Family Resource Management

Outcome #5

1. Outcome Measures

Assess community needs and assets

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	155

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Access to Capital

Relevance- Aspiring and existing entrepreneurs need capital to start, improve, and expand their businesses to create high quality jobs for Mainers. Many business owners are challenged to secure adequate funding from traditional lenders to start or expand a business. However, by partnering with a regional economic development organization, traditional lenders such as banks are able to increase access to capital for Maine businesses that otherwise would not be eligible for financing.

What has been done

Response- UMaine Extension supports improved access to financing for Maine businesses through its collaboration with a regional economic development agency that provides Small Business Administration loan guarantees for prospective borrowers. As an active member of the Loan Review Committee, UMaine Extension provides guidance and oversight on credit and lending strategies, reviews loan applications, and along with other business and community leaders, arrives at loan recommendations.

Results

Results- In fiscal year 2014 the Loan Review Committee approved 42 loans totaling \$6.2 million. An additional \$12 million in private funds were leveraged. A total of \$18.2 million was invested in local communities as a result of this loan program, 77 percent more than in 2013. One hundred forty-two jobs were created or retained, an increase of 94.5 percent over last year. Seven of Maine's sixteen counties benefited from the program. Sixteen percent of the loans were for start-ups, 6 percent were for acquisitions, and 79 percent were for business expansions. The large increase in impact over last year is due to greater awareness and promotion of the program to loan officers and officials at banks and other financial institutions. Loan applications are up, as are the amount and number of loans approved and the number of jobs created and retained.

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 #6

1. Outcome Measures

Adopt effective community strategies

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	170

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Senior Companion; Supporting Maine's Seniors and Saving over \$4 Million in Costs of Long-term Care

Relevance; Maine is the oldest state in the nation (U.S. Census Bureau). The median age is five years older than the U.S. median. About 16 percent of Maine's population is age 65 or older. As the population ages and baby boomers reach age 65, the number of seniors needing extra assistance to live independently rises. Without help, many older adults would have to move into costly assisted living facilities. There is an increasing need for education and training to help

seniors to remain in their own homes.

What has been done

Response; For 33 years, the Senior Companion Program has provided a cost-effective way for Maine’s seniors to remain in their homes. Volunteers aged 55+ with limited incomes (Senior Companions) provide companionship and non-medical support to homebound and/or isolated older adults. Senior Companions attend monthly regional trainings. Senior Companions receive an hourly stipend, insurance, and reimbursement for transportation. In 2013-14, 121 Senior Companions served 469 clients in 24,856 visits.

Results

Results; This program encourages the independence of Maine’s seniors and increases their likelihood of remaining in their homes. The cost to operate the program in 2013-14 was approximately \$477,000 (72 percent-federal, 23 percent-state, 5 percent-local nonprofits). For every \$1.00 of state funding, \$3.35 of federal and nonprofit funding supported this program. Of all our clients, 43 would likely need to live in long-term care facilities if they were not receiving our assistance. All are at least 85 years old and have at least one chronic health condition. The estimated per person annual cost for nursing home care in Maine in 2013 was \$98,550. Therefore, these 43 clients would have paid \$4.2 million for long-term care. This represents a substantial savings to Maine’s seniors, families, and the state. The 121 Senior Companions worked an average of 53 hours per month for a total of 76,776 hours in 2013-14. Using an hourly wage of \$20.10, the economic value of these trained volunteers during 2013-14 was \$1.5 million.

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 #7

1. Outcome Measures

Mobilize community capacities, assets or resources

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
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3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Protecting Maine's Coastal Tourism Industry...and Coastal Beaches

Relevance- Unsafe bacteria levels degrade ecosystems, threatening public health and local tourism economies. Tourist spending in York County is estimated at over \$500 million annually. Goosefare Brook empties near popular swimming beaches between the towns of Saco and Old Orchard Beach. Routine monitoring has indicated chronic bacterial pollution discharging from the brook. Pollutants are transported from upland areas and sources are difficult to identify, often requiring intensive investigations.

What has been done

Response- UMaine Extension brought together local, state, and federal partners in a collaborative process focused on sharing resources and solving problems. A Municipal Guide to Clean Water was developed to build local capacity to address pollution issues. Since 2010, over 1,000 water samples have been collected from the brook. Pollution source tracking expanded to include optical brighteners, nutrients, pharmaceutical, and personal care products as potentially indicative of human-sourced fecal contamination.

Results

Result- The towns have used the Municipal Guide to Clean Water to direct their property surveys to identify malfunctioning septic systems, leading to removal of numerous grey and black water discharges in the watershed. This has also led to investigations and upgrades to sewer and stormwater infrastructure (total of ~30,000 linear feet). In 2014, the towns posted supplemental signage at the mouth of the brook alerting the public of the potential risk of oral water contact. The towns worked together to acquire grant funds in support of a watershed management plan. The condition of the watershed will be assessed, stormwater retrofitting projects and watershed restoration planning will be launched, a suite of watershed health characteristics will be monitored, and public outreach and involvement will be emphasized in 2015. UMaine Extension personnel serve on the steering committee and will continue to support these and other important actions to address the health of Goosefare Brook.

4. Associated Knowledge Areas

KA Code	Knowledge Area
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices
607	Consumer Economics
608	Community Resource Planning and Development
801	Individual and Family Resource Management

Outcome #8

1. Outcome Measures

Assess current and projected impacts of climate change and adopt effective strategies to respond to and mitigate such change

Not Reporting on this Outcome Measure

Outcome #9

1. Outcome Measures

Develop and assess a financial plan for managing household resources

Not Reporting on this Outcome Measure

Outcome #10

1. Outcome Measures

Adopt a sustainable household budget

Not Reporting on this Outcome Measure

Outcome #11

1. Outcome Measures

Make informed financial decisions

Not Reporting on this Outcome Measure

Outcome #12

1. Outcome Measures

Model positive financial management behaviors to others

Not Reporting on this Outcome Measure

Outcome #13

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	Actual
2014	339

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Homemaker Program Supports Maine Communities

Relevance- UMaine Extension Homemaker group members help to extend the resources of UMaine Extension into their communities through educational opportunities and service projects. In the past year, more than 800 UMaine Extension Homemakers have had the opportunity to learn with others, make friends, and contribute to their community and county. Members gain leadership skills and can share their interests and talents with others.

What has been done

Response- Members help to meet many different community needs, such as providing food to food pantries, quilts and afghans to nursing home residents, toys for children, and transportation to medical appointments, among other things. Groups raise money for causes such as these through bake sales, quilt raffles, craft fairs, auctions, plant sales, refreshment booths, community dinners, and yard sales.

Results

Results- Multiple county groups provided funds for scholarships to 4-H camps in Maine, higher education scholarships to graduating seniors, homeless shelters, animal shelters, and municipal projects. UMaine Extension Homemakers contributed 19,618 hours in volunteer time statewide in the last program year.

If we use the value of volunteer time in Maine from Independent Sector (https://www.independentsector.org/volunteer_time)--\$20.10 per hour--the value of those volunteer hours was \$394,322.

In addition, the program garnered donations worth \$20,535. The total value of statewide materials and goods was \$12,060. Finally, the Coins for Caring program raised \$1,400 for the 4-H Bryant Pond Camp program in 2013. Therefore, the total value of the goods and services provided by UMaine Extension Homemakers was \$428,317 in 2013-2014.

4. Associated Knowledge Areas

KA Code	Knowledge Area
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices
607	Consumer Economics
608	Community Resource Planning and Development
801	Individual and Family Resource Management

Outcome #14

1. Outcome Measures

Train, 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	Actual
2014	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
608	Community Resource Planning and Development
801	Individual and Family Resource Management

Outcome #15

1. Outcome Measures

Demonstrate leadership skills

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	211

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
608	Community Resource Planning and Development

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

Year	Actual
2014	67

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 #17

1. Outcome Measures

Hire employees

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	5

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 #18

1. Outcome Measures

Improve efficiency

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	15

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 #19

1. Outcome Measures

Increase partnerships

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	114

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 #20

1. Outcome Measures

Increase sales

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices

Outcome #21

1. Outcome Measures

Make more effective business decisions

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	163

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

Outcome #22

1. Outcome Measures

Reconsider business plan

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	26

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

Outcome #23

1. Outcome Measures

Reduce business management risks

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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
602	Business Management, Finance, and Taxation

Outcome #24

1. Outcome Measures

Start a business

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	200

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

Outcome #25

1. Outcome Measures

Stay in business

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	15

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

Outcome #26

1. Outcome Measures

Implement practices that improve efficiency, reduce inputs and negative

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	70

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 #27

1. Outcome Measures

Adopt sustainable living practices

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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
608	Community Resource Planning and Development
801	Individual and Family Resource Management

Outcome #28

1. Outcome Measures

Demonstrate civic engagement

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	6

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
607	Consumer Economics

Outcome #29

1. Outcome Measures

Establish new farm enterprises

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	86

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

Outcome #30

1. Outcome Measures

Youth will engage in safety practices

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	11

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 #31

1. Outcome Measures

New crops and markets developed

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	76

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

V(H). Planned Program (External Factors)

External factors which affected outcomes

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

Brief Explanation

V(I). Planned Program (Evaluation Studies)

Evaluation Results

UMaine Extension brought together local, state, and federal partners in a collaborative process focused on sharing resources and solving problems. A Municipal Guide to Clean Water was developed to build local capacity to address pollution issues. Since 2010, over 1,000 water samples have been collected. Pollution source tracking expanded to include optical brighteners, nutrients, pharmaceutical, and personal care products as potentially indicative of human-sourced fecal contamination.

Result - The towns have used the Municipal Guide to Clean Water to direct their property surveys to identify malfunctioning septic systems, leading to removal of numerous grey and black water discharges in the watershed. This has also led to investigations and upgrades to sewer and stormwater infrastructure (total of ~30,000 linear feet). In 2014, the towns posted supplemental signage at the mouth of the brook alerting the public of the potential risk of oral water contact. The towns worked together to acquire grant funds in support of a watershed management plan. The condition of the watershed will be assessed, stormwater retrofitting projects and watershed restoration planning will be launched, a suite of

watershed health characteristics will be monitored, and public outreach and involvement will be emphasized in 2015. UMaine Extension personnel serve on the steering committee and will continue to support these and other important actions to address the health of Goosefare Brook.

Key Items of Evaluation

A number of Maine Coast towns are using the Municipal Guide to Clean Water to direct their property surveys to identify malfunctioning septic systems, leading to removal of numerous grey and black water discharges in the watershed. This has also led to investigations and upgrades to sewer and stormwater infrastructure (total of ~30,000 linear feet). In 2014, the towns posted supplemental signage the public of the potential risk of oral water contact.

V(A). Planned Program (Summary)

Program # 4

1. Name of the Planned Program

Administrative Plan of Work; Planning and Supervision

- Reporting on this Program
Reason for not reporting
{No Data Entered}

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2014	Extension		Research	
	1862	1890	1862	1890
Plan	8.4	0.0	0.0	0.0
Actual Paid	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
Actual Volunteer	{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

- Eat Well Administration
- Eat Well Regional Management
- General Administrative Activities

- Maine Agricultural Center
- Maine Planning and Reporting System
- Plan of Work Oversight and Supervision

2. Brief description of the target audience

- Extension - all staff (Adult)
- Extension Faculty (Adult)
- Extension Professionals (Adult)
- Nutrition Associates (Adult)

3. How was eXtension used?

{No Data Entered}

V(E). Planned Program (Outputs)

1. Standard output measures

2014	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	0	0	0	0

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

Patent Applications Submitted

Year: 2014

Actual: {No Data Entered}

Patents listed

{No Data Entered}

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2014	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Multiple-undefined delivery method

2014 University of Maine Extension Annual Report of Accomplishments and Results

Year	Actual
2014	0

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Planning and Reporting Compliance

Outcome #1

1. Outcome Measures

Planning and Reporting Compliance

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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
{No Data}	null

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Economy
- Appropriations changes

Brief Explanation

{No Data Entered}

V(I). Planned Program (Evaluation Studies)

Evaluation Results

{No Data Entered}

Key Items of Evaluation

{No Data Entered}

V(A). Planned Program (Summary)

Program # 5

1. Name of the Planned Program

Global Food Security and Hunger

Reporting on this Program

Reason for not reporting

An adjustment in our data gathering matrix to better reflect our priority work for Maine's stakeholders has resulted in a new planned program for what would have been reported here. Please see the planned program titled "Maine Food System"

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2014	Extension		Research	
	1862	1890	1862	1890
Plan	39.9	0.0	0.0	0.0
Actual Paid	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
Actual Volunteer	{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

- Crop Production Activities (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
- Crop Production Activities (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- General activities related to Global Food Security and Hunger (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- General activities related to Global Food Security and Hunger (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
- Home Horticulture Activities (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
- Home Horticulture Activities (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Livestock Activities (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
- Livestock Activities (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Pest Management Activities (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Pest Management Activities (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)

2. Brief description of the target audience

- Agricultural Producers (Adult)
- Agricultural Workers (Adult)
- Apple Growers (Adult)
- Blueberry Growers (Adult)
- Community Leaders (Adult)
- Cranberry Growers (Adult)
- Extension - staff (Adult)
- Families (Adult)
- General Public (Adult)
- Home Gardeners (Adult)
- Master Gardener Volunteers (Adult)
- Potato Growers (Adult)
- Vegetable Growers (Adult)
- Volunteers (Adult)
- 4-H Youth (Youth)
- Extension Staff (Adult)
- General Public (Youth)
- Home Gardeners (Youth)

3. How was eXtension used?

{No Data Entered}

V(E). Planned Program (Outputs)

1. Standard output measures

2014	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	0	0	0	0

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

Year: 2014
 Actual: {No Data Entered}

Patents listed
 {No Data Entered}

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2014	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Direct; Club, Conference, Program, Consultation, Scholarship, or Training

Year	Actual
2014	0

Output #2

Output Measure

- Indirect; Applied Research, Media, Internet, Publication, Resulting from Training

Year	Actual
2014	0

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Pounds of food donated
2	Monetary value of food produced, gleaned, and donated
3	Participate in livestock disease monitoring programs
4	Improve animal well-being
5	Demonstrate application of life skills
6	Demonstrate application of leadership skills
7	Reduce waste
8	Assess current and projected impacts of climate change
9	Adopt appropriate strategies based on research-based information
10	Form/join citizen networks for citizen action and education
11	Engage positively in their community
12	Train, support and mentor others in leadership roles
13	Demonstrate practices that improve efficiency, reduce inputs, or increase profitability
14	Increase consumption of locally produced foods
15	Adopt integrated pest management strategies
16	Develop integrated farming systems
17	People donating food

18	Participate in livestock quality assurance program
19	Demonstrate practices including managing nutrient sources, recycling/delivery methods that are compatible with crop/soil/production systems

Outcome #1

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	Actual
2014	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
{No Data}	null

Outcome #2

1. Outcome Measures

Monetary value of food produced, gleaned, and donated

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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
{No Data}	null

Outcome #3

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	Actual
2014	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
{No Data}	null

Outcome #4

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	Actual
------	--------

2014 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
{No Data}	null

Outcome #5

1. Outcome Measures

Demonstrate application of life skills

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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
----------------	-----------------------

{No Data}	null
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Outcome #6

1. Outcome Measures

Demonstrate application of leadership skills

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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
----------------	-----------------------

{No Data}	null
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Outcome #7

1. Outcome Measures

Reduce waste

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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
{No Data}	null

Outcome #8

1. Outcome Measures

Assess current and projected impacts of climate change

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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
{No Data}	null

Outcome #9

1. Outcome Measures

Adopt appropriate strategies based on research-based information

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
------	--------

2014 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
{No Data}	null

Outcome #10

1. Outcome Measures

Form/join citizen networks for citizen action and education

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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
----------------	-----------------------

{No Data}	null
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Outcome #11

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	Actual
2014	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
----------------	-----------------------

{No Data}	null
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Outcome #12

1. Outcome Measures

Train, 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	Actual
2014	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
{No Data}	null

Outcome #13

1. Outcome Measures

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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
{No Data}	null

Outcome #14

1. Outcome Measures

Increase consumption of locally produced foods

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
------	--------

2014 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
{No Data}	null

Outcome #15

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	Actual
2014	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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{No Data}	null
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Outcome #16

1. Outcome Measures

Develop integrated farming systems

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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
----------------	-----------------------

{No Data}	null
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Outcome #17

1. Outcome Measures

People donating food

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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
{No Data}	null

Outcome #18

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	Actual
2014	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
{No Data}	null

Outcome #19

1. Outcome Measures

Demonstrate practices including managing nutrient sources, recycling/delivery methods that are compatible with crop/soil/production systems

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
------	--------

2014

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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{No Data}	null
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V(H). Planned Program (External Factors)

External factors which affected outcomes

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

Brief Explanation

{No Data Entered}

V(I). Planned Program (Evaluation Studies)

Evaluation Results

{No Data Entered}

Key Items of Evaluation

{No Data Entered}

V(A). Planned Program (Summary)

Program # 6

1. Name of the Planned Program

Climate Change

Reporting on this Program

Reason for not reporting

We are no longer directly focusing on climate change. It is however inherent in planned programs where our changing climate is influencing outcomes.

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2014	Extension		Research	
	1862	1890	1862	1890
Plan	6.5	0.0	0.0	0.0
Actual Paid	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
Actual Volunteer	{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

- General activities in support of Climate Change (Direct; Club, Conference, Program, Consultation,

Scholarship, or Training)

- General activities in support of Climate Change (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
- Marine Resources Management Activities (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Marine Resources Management Activities (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
- Water Quality Resource Management Activities (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Water Quality Resource Management Activities (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)

2. Brief description of the target audience

- Community Leaders (Adult)
- General Public (Adult)
- Small or Home-Based Business Owners - Current (Adult)
- Teachers (Adult)
- Volunteers (Adult)
- Watershed Stewards (Adult)
- 4-H Youth (Youth)
- Families (Youth)

3. How was eXtension used?

{No Data Entered}

V(E). Planned Program (Outputs)

1. Standard output measures

2014	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	0	0	0	0

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

Patent Applications Submitted

Year: 2014

Actual: {No Data Entered}

Patents listed

{No Data Entered}

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2014	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Direct; Club, Conference, Program, Consultation, Scholarship, or Training

Year	Actual
2014	0

Output #2

Output Measure

- Indirect; Applied Research, Media, Internet, Publication, Resulting from Training

Year	Actual
2014	0

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Reduce carbon-based energy consumption
2	Manage natural resources to promote land, water and air quality
3	Reduce carbon footprint
4	Form/join networks for citizen action and education
5	Demonstrate application of leadership skills
6	Demonstrate civic engagement
7	Adopt sustainable living practices
8	Adopt effective community strategies and solutions

Outcome #1

1. Outcome Measures

Reduce carbon-based energy consumption

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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
{No Data}	null

Outcome #2

1. Outcome Measures

Manage natural resources to promote land, water and air quality

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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
{No Data}	null

Outcome #3

1. Outcome Measures

Reduce carbon footprint

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
------	--------

2014 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
{No Data}	null

Outcome #4

1. Outcome Measures

Form/join networks for citizen action and education

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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
----------------	-----------------------

{No Data}	null
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Outcome #5

1. Outcome Measures

Demonstrate application of leadership skills

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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
----------------	-----------------------

{No Data}	null
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Outcome #6

1. Outcome Measures

Demonstrate civic engagement

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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
{No Data}	null

Outcome #7

1. Outcome Measures

Adopt sustainable living practices

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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
{No Data}	null

Outcome #8

1. Outcome Measures

Adopt effective community strategies and solutions

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
------	--------

2014

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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{No Data}	null
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V(H). Planned Program (External Factors)

External factors which affected outcomes

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

Brief Explanation

{No Data Entered}

V(I). Planned Program (Evaluation Studies)

Evaluation Results

{No Data Entered}

Key Items of Evaluation

{No Data Entered}

V(A). Planned Program (Summary)

Program # 7

1. Name of the Planned Program

Sustainable Energy

Reporting on this Program

Reason for not reporting

We are no longer directly focusing on sustainable energy as a planned program focus. It is however inherent in planned programs where it is relevant, especially in food system programs.

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2014	Extension		Research	
	1862	1890	1862	1890
Plan	1.1	0.0	0.0	0.0
Actual Paid	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
Actual Volunteer	{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

- Farm Energy Activities (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Farm Energy Activities (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
- General Sustainable Energy Activities (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Home Energy Conservation (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Home Energy Conservation (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)

2. Brief description of the target audience

- Agricultural Producers (Adult)
- Agricultural Workers (Adult)
- General Public (Adult)

3. How was eXtension used?

{No Data Entered}

V(E). Planned Program (Outputs)

1. Standard output measures

2014	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	0	0	0	0

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

Patent Applications Submitted

Year: 2014

Actual: {No Data Entered}

Patents listed

{No Data Entered}

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2014	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Direct; Club, Conference, Program, Consultation, Scholarship, or Training

Year	Actual
2014	0

Output #2

Output Measure

- Indirect; Applied Research, Media, Internet, Publication, Resulting from Training

Year	Actual
2014	0

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Obtain an energy audit or conduct a self audit
2	Implement techniques to reduce energy consumption
3	Evaluate alternative sources of energy and act
4	Convert to non-fossil-based energy fuels
5	Decide not to convert to/install an inefficient new source of energy (example: installing a wind turbine in a poor location)
6	Research and evaluate novel energy production methods, and act accordingly
7	Make a decision to install or not install a novel energy production method

Outcome #1

1. Outcome Measures

Obtain an energy audit or conduct a self audit

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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
{No Data}	null

Outcome #2

1. Outcome Measures

Implement techniques to reduce energy consumption

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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
{No Data}	null

Outcome #3

1. Outcome Measures

Evaluate alternative sources of energy and act

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
------	--------

2014 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
{No Data}	null

Outcome #4

1. Outcome Measures

Convert to non-fossil-based energy fuels

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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**

{No Data} null

Outcome #5

1. Outcome Measures

Decide not to convert to/install an inefficient new source of energy (example: installing a wind turbine in a poor location)

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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**

{No Data} null

Outcome #6

1. Outcome Measures

Research and evaluate novel energy production methods, and act accordingly

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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
{No Data}	null

Outcome #7

1. Outcome Measures

Make a decision to install or not install a novel energy production method

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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

{No Data} null

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 Programmatic Challenges
- Other (Climate Change)

Brief Explanation

{No Data Entered}

V(I). Planned Program (Evaluation Studies)

Evaluation Results

{No Data Entered}

Key Items of Evaluation

{No Data Entered}

V(A). Planned Program (Summary)

Program # 8

1. Name of the Planned Program

Childhood Obesity

- Reporting on this Program

Reason for not reporting

An adjustment in our data gathering matrix to better reflect our priority work for Maine's stakeholders has resulted in this data being reported in two different planned program areas; "Positive Youth Development", and "Maine Food System".

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2014	Extension		Research	
	1862	1890	1862	1890
Plan	6.5	0.0	0.0	0.0
Actual Paid	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
Actual Volunteer	{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

- Eat Well (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Eat Well (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
- General Activities to address Childhood Obesity (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
 - General activities to address Childhood Obesity (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
 - Nutrition Education (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
 - Nutrition Education (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)

2. Brief description of the target audience

- 4-H Volunteers (Adult)
- Community Leaders (Adult)
- Eat Well Participants (Adult)
- Eat Well Volunteers (Adult)
- Extension - staff (Adult)
- Families (Adult)
- Food Stamp Recipients (Adult)
- General Public (Adult)
- Volunteers (Adult)
- 4-H Youth (Youth)
- Eat Well Participants (Youth)
- Extension Staff (Adult)
- General Public (Youth)

3. How was eXtension used?

{No Data Entered}

V(E). Planned Program (Outputs)

1. Standard output measures

2014	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	0	0	0	0

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

Patent Applications Submitted

Year: 2014

Actual: {No Data Entered}

Patents listed

{No Data Entered}

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2014	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Direct; Club, Conference, Program, Consultation, Scholarship, or Training

Year	Actual
2014	0

Output #2

Output Measure

- Indirect; Applied Research, Media, Internet, Publication, Resulting from Training

Year	Actual
2014	0

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Adopt healthy dietary practices (consume nutrient-rich foods, follow current Dietary Guidelines for Americans or (Dietary Approaches to Stop Hypertension), etc)
2	Integrate regular physical activity into daily life
3	Engage positively in their community
4	Demonstrate application of leadership skills
5	Increase consumption of healthful, locally-grown and -produced food (farm to school program, food preservation, etc.)
6	Reduce consumption of highly processed foods (fast foods, convenience foods, etc.)

Outcome #1

1. Outcome Measures

Adopt healthy dietary practices (consume nutrient-rich foods, follow current Dietary Guidelines for Americans or (Dietary Approaches to Stop Hypertension), etc)

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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
{No Data}	null

Outcome #2

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	Actual
2014	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
{No Data}	null

Outcome #3

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	Actual
------	--------

2014 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
{No Data}	null

Outcome #4

1. Outcome Measures

Demonstrate application of leadership skills

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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

{No Data} null

Outcome #5

1. Outcome Measures

Increase consumption of healthful, locally-grown and -produced food (farm to school program, food preservation, etc.)

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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

{No Data} null

Outcome #6

1. Outcome Measures

Reduce consumption of highly processed foods (fast foods, convenience foods, etc.)

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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
{No Data}	null

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Economy
- Appropriations changes
- Public Policy changes
- Government Regulations
- Populations changes (immigration, new cultural groupings, etc.)
- Other (Legislative changes)

Brief Explanation

{No Data Entered}

V(I). Planned Program (Evaluation Studies)

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

Food Safety

- Reporting on this Program

Reason for not reporting

An adjustment in our data gathering matrix to better reflect our priority work for Maine's stakeholders has resulted in a new planned program for what would have been reported here. Please see the planned program titled "Maine Food System"

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2014	Extension		Research	
	1862	1890	1862	1890
Plan	7.2	0.0	0.0	0.0
Actual Paid	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
Actual Volunteer	{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

- Food Preservation (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Food Preservation (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
- Food Safety (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Food Safety (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
- Food Safety, Food Preservation Workshops and consumer questions answered
- General Food Safety Activities (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- General Food Safety Activities (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
- Specialty Food Products (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Specialty Food Products (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)

2. Brief description of the target audience

- Agricultural Producers (Adult)
- General Public (Adult)
- Small or Home-Based Business Owners - Current (Adult)
- Small or Home-Based Business Owners - Potential (Adult)
- Volunteers (Adult)
- General Public (Youth)

3. How was eXtension used?

{No Data Entered}

V(E). Planned Program (Outputs)

1. Standard output measures

2014	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	0	0	0	0

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

Patent Applications Submitted

Year: 2014

Actual: {No Data Entered}

Patents listed

{No Data Entered}

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2014	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Direct; Club, Conference, Program, Consultation, Scholarship, or Training

Year	Actual
2014	0

Output #2

Output Measure

- Indirect; Applied Research, Media, Internet, Publication, Resulting from Training

Year	Actual
2014	0

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Apply knowledge of risks to food safety
2	Adopt food safety practices
3	Adopt specific food safety plans and/or policies (HACCP, GAP, SOP, SSOP, IPM, etc)
4	Train, support and mentor others in leadership roles
5	Engage positively in their community
6	Increase career aspirations & goal setting

Outcome #1

1. Outcome Measures

Apply knowledge of risks to food safety

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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
{No Data}	null

Outcome #2

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	Actual
2014	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
{No Data}	null

Outcome #3

1. Outcome Measures

Adopt specific food safety plans and/or policies (HACCP, GAP, SOP, SSOP, IPM, etc)

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
------	--------

2014 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

{No Data} null

Outcome #4

1. Outcome Measures

Train, 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	Actual
2014	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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{No Data}	null
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Outcome #5

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	Actual
2014	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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{No Data}	null
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Outcome #6

1. Outcome Measures

Increase career aspirations & goal setting

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	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
{No Data}	null

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Natural Disasters (drought, weather extremes, etc.)
- Economy
- Competing Programmatic Challenges

Brief Explanation

{No Data Entered}

V(I). Planned Program (Evaluation Studies)

Evaluation Results

{No Data Entered}

Key Items of Evaluation

{No Data Entered}

VI. National Outcomes and Indicators

1. NIFA Selected Outcomes and Indicators

Childhood Obesity (Outcome 1, Indicator 1.c)	
0	Number of children and youth who reported eating more of healthy foods.
Climate Change (Outcome 1, Indicator 4)	
0	Number of new crop varieties, animal breeds, and genotypes with climate adaptive traits.
Global Food Security and Hunger (Outcome 1, Indicator 4.a)	
0	Number of participants adopting best practices and technologies resulting in increased yield, reduced inputs, increased efficiency, increased economic return, and/or conservation of resources.
Global Food Security and Hunger (Outcome 2, Indicator 1)	
0	Number of new or improved innovations developed for food enterprises.
Food Safety (Outcome 1, Indicator 1)	
0	Number of viable technologies developed or modified for the detection and
Sustainable Energy (Outcome 3, Indicator 2)	
0	Number of farmers who adopted a dedicated bioenergy crop
Sustainable Energy (Outcome 3, Indicator 4)	
0	Tons of feedstocks delivered.