

Pest Management

Pest Management

V(A). Planned Program (Summary)

1. Name of the Planned Program

Pest Management

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
211	Insects, Mites, and Other Arthropods Affecting Plants	25%		25%	
212	Pathogens and Nematodes Affecting Plants	18%		18%	
213	Weeds Affecting Plants	2%		2%	
215	Biological Control of Pests Affecting Plants	3%		3%	
216	Integrated Pest Management Systems	47%		47%	
721	Insects and Other Pests Affecting Humans	5%		5%	
	Total	100%		100%	

V(C). Planned Program (Inputs)

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

Year: 2007	Extension		Research	
	1862	1890	1862	1890
Plan	10.1	0.0	1.4	0.0
Actual	7.4	0.0	1.3	0.0

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

Extension		Research	
Smith-Lever 3b & 3c 65308	1890 Extension	Hatch	Evans-Allen
	0	0	0
1862 Matching 392100	1890 Matching	1862 Matching	1890 Matching
	0	0	0
1862 All Other 1249561	1890 All Other	1862 All Other	1890 All Other
	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

•Client Consultation - Insect, Plant Disease, Pest Management •Cranberry Integrated Pest Management •Cranberry Related Fact Sheets •Educational Entomological Display •Fact Sheet - Wild Blueberry •Field Day - Blueberry Hill Farm Annual •Grower Site Visits •Insect Education - Bugmaine-ia •Integrated Pest Management •IR4 Residue/Efficacy Trials •Maine Agricultural Trade Show •Maine Cranberry Integrated Pest Management Guide •Master Gardener Training - Pests •Newsletter - Apple Pest Report •Newsletter - Wild Blueberry •Pesticide Applicator Training •Pesticide Applicator Training Certification Exams •Pesticide Applicator Training Educational Manuals •Plant Disease Diagnostics •Potato Integrated Pest Management •Presentations - Apple Integrated Pest Management •Public Presentations - Blueberries •School Presentations - Pest Management •Seminars and Training - Plant Disease Diagnostics •Soil & Water Conservation District Agricultural Conservation Fairs •Spring Wild Blueberry Meeting •Website - New England Pest Management Network •Website - Wild Blueberries •Wild Blueberry Farmer Site Visits •Wild Blueberry Integrated Crop Management

2. Brief description of the target audience

•Agency Staff or Professionals (Adult) •Agricultural Producers (Adult) •Agricultural Workers (Adult) •Blueberry Growers (Adult) •Commercial Apple Growers (Adult) •Commercial Cranberry Growers (Adult) •Commercial Potato Growers (Adult) •Consumers (Adult) •Extension - all staff (Adult) •Extension Faculty (Adult) •Extension Professionals (Adult) •Farmers (Adult) •General Public (Adult) •General Public (Youth) •Home Gardeners (Adult) •Homeowners (Adult) •Master Gardener Trainees (Adult) •Master Gardener Volunteers (Adult) •Parent Educators (Adult) •Parents (Adult) •Pesticide Applicator Training Participants (Adult) •Pesticide Applicators (Adult) •Policy Makers (Adult) •Scientists (Adult) •Student (Adult) •Students (Youth) •Teachers (Adult) •Tourism Development Stakeholders (Adult) •Volunteers (Adult) •Youth (Youth) •Youth Educators (Adult)

V(E). Planned Program (Outputs)

1. Standard output measures

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

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	7275	22265	5960	0
2007	17815	195183	5846	90210

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

Patent Applications Submitted

Year	Target
Plan:	0
2007:	0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

	Extension	Research	Total
Plan			
2007	0	0	0

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

Direct - AV Resource

Year	Target	Actual
2007	4	14980

Output #2**Output Measure**

Direct - Clinic

Year	Target	Actual
2007	1800	0

Output #3**Output Measure**

Direct - Collaborative or Cooperative Effort

Year	Target	Actual
2007	510	6912

Output #4**Output Measure**

Direct - Conference or symposium

Year	Target	Actual
2007	4	0

Output #5**Output Measure**

Direct - Consultation

Year	Target	Actual
2007	675	0

Output #6**Output Measure**

Direct - Course

Year	Target	Actual
2007	290	640

Output #7**Output Measure**

Direct - Demonstration Project

Year	Target	Actual
2007	125	21

Output #8**Output Measure**

Direct - Display or exhibit

Year	Target	Actual
2007	15	917

Output #9**Output Measure**

Direct - Group Presentation

Year	Target	Actual
2007	6	30

Output #10**Output Measure**

Direct - Public Presentation

Year	Target	Actual
2007	3	16

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Output #11

Output Measure

Direct - Seminar

Year	Target	Actual
2007	22	1

Output #12

Output Measure

Direct - Site visit

Year	Target	Actual
2007	110	42

Output #13

Output Measure

Direct - Volunteer Training

Year	Target	Actual
2007	7	10

Output #14

Output Measure

Direct - Workshop - series

Year	Target	Actual
2007	18	25

Output #15

Output Measure

Direct - Workshop - single session

Year	Target	Actual
2007	14	6

Output #16

Output Measure

Indirect - Applied Research

Year	Target	Actual
2007	3	3

Output #17

Output Measure

Indirect - Publication - booklet

Year	Target	Actual
2007	1	1

Output #18

Output Measure

Indirect - Publication - fact sheet

Year	Target	Actual
2007	6	9

Output #19

Output Measure

Indirect - Publication - manual

Year	Target	Actual
2007	1000	556

Output #20

Output Measure

Indirect - Publication - newsletter

Year	Target	Actual
2007	35	227

Output #21

Output Measure

Indirect - Website

Year	Target	Actual
2007	10	158076

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Output #22

Output Measure

Indirect - Written or e-mail response to Client Request

Year	Target	Actual
2007	100	0

V(G). State Defined Outcomes

O No.	Outcome Name
1	Adopt and maintain integrated pest management strategies
2	Access relevant UMCE publications.
3	Access relevant UMCE web-based resources
4	Demonstrate IPM techniques
5	Demonstrate how to apply pesticides safely and effectively
6	Demonstrate how to diagnose pest problems
7	Demonstrate how to manage pests based on appropriate thresholds
8	Describe IPM techniques
9	Describe IPM technologies and benefits
10	Describe advantages of new technologies to improve crop yield and quality and to reduce environmental impacts and off-farm inputs
11	Describe alternative pest manage techniques
12	Describe environmental risks
13	Describe insects that affect agriculture
14	Describe integrated pest management (IPM) in wild blueberries and cranberries.
15	Describe personal risks
16	Describe plant and animal disorders
17	Describe production practices for wild blueberries and/or cranberries.
18	Describe sound agricultural practices
19	Describe the health benefits of consuming wild blueberries and cranberries.
20	Use UMaine Diagnostic Services
21	Acquire pesticide applicator certification
22	Adopt IPM strategies
23	Adopt appropriate technologies
24	Adopt practices that maintain long-term productivity
25	Adopt practices that maintain profitability
26	Develop environmentally sound technologies that improve economic viability
27	Expand IPM
28	Identify and respond to pest issues
29	Identify and respond to plant and animal disorders
30	Improve IPM
31	Maintain pesticide applicator certification
32	Make better decisions regarding pest management
33	Reduce the use of high-risk pesticides
34	Use pesticides safely
35	Use relevant UMCE web-based resources
36	Enhance the economic and environmental sustainability of Maine agriculture and aquaculture.
37	Enhance the safety, sustainability, and dependability of Maine's food supply.
38	Scout crops for pests
39	Describe cultural pest control practices
40	Describe financial benefits of integrated pest management (IPM)
41	Adopt and maintain integrated pest management strategies Use UMaine Diagnostic Services Acquire pesticide applicator certification Adopt IPM strategies Adopt appropriate technologies Adopt practices that maintain long-term productivity Adopt practices that maintain profitability Develop environmentally sound technologies that improve economic viability Expand IPM Identify and respond to pest issues Identify and respond to plant and animal disorders Improve IPM Maintain pesticide applicator certification Make better decisions regarding pest management Reduce the use of high-risk pesticides Use pesticides safely

Outcome #1

1. Outcome Measures

Not reporting on this Outcome for this Annual Report

2. Associated Institution Types

3a. Outcome Type:

3b. Quantitative Outcome

Year	Quantitative Target	Actual
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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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V(H). Planned Program (External Factors)

External factors which affected outcomes

Appropriations changes

Public Policy changes

Government Regulations

Brief Explanation

The federal funding which supports our Potato Integrated Pest Management (IPM) program was not awarded in FY07, and was approximately 50 percent of its pre-2007 level during FY08.

During 2007 the state of Maine passed legislation requiring that IPM be practiced in all state owned or leased buildings, creating a need for statewide assessment and education by our program staff.

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

1. Evaluation Studies Planned

After Only (post program)

Comparison between locales where the program operates and sites without program intervention

Evaluation Results

{No Data Entered}

Key Items of Evaluation

{No Data Entered}