

Field Crop Pest Management and Biology

Field Crop Pest Management and Biology

V(A). Planned Program (Summary)

1. Name of the Planned Program

Field Crop Pest Management and Biology

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	15%		15%	
212	Pathogens and Nematodes Affecting Plants	15%		15%	
213	Weeds Affecting Plants	40%		40%	
214	Vertebrates, Mollusks, and Other Pests Affecting Plants	10%		10%	
215	Biological Control of Pests Affecting Plants	5%		5%	
216	Integrated Pest Management Systems	15%		15%	
	Total	100%		100%	

V(C). Planned Program (Inputs)

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

Year: 2008	Extension		Research	
	1862	1890	1862	1890
Plan	2.6	0.0	4.5	0.0
Actual	0.1	0.0	2.1	0.0

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

Extension		Research	
Smith-Lever 3b & 3c 0	1890 Extension 0	Hatch 95924	Evans-Allen 0
1862 Matching 0	1890 Matching 0	1862 Matching 733714	1890 Matching 0
1862 All Other 0	1890 All Other 0	1862 All Other 1234330	1890 All Other 0

V(D). Planned Program (Activity)

1. Brief description of the Activity

- Conduct Research Experiments.
- Conduct trials
- Conduct Workshops, meetings.
- Deliver Services.
- Develop Products, Curriculum, Resources.
- Provide Training.
- Assessments.
- Partnering.

2. Brief description of the target audience

Professional peers and scientific communities
 State commodity commissions and grower groups
 Natural resource industry clientele – growers, field representatives, grower coops and partnerships, processors and handlers, export companies, importing companies
 County, state and federal agencies – Oregon Department of Agriculture, Natural Resource Conservation Service, Soil and Water Conservation Districts, county road managers, fish and wildlife agencies
 Undergraduate and graduate students being trained in extension and research activities

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	500	5000	50	0
2008	1250	0	0	0

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

Patent Applications Submitted

Year	Target
Plan:	0
2008:	0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

	Extension	Research	Total
Plan	0	30	
2008	0	11	11

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

SCHOLARLY excellence in referred articles, book chapters, and books; participation on professional boards and panels, as well as science panels.

Not reporting on this Output in this Annual Report

Output #2

Output Measure

PROVIDE ADDITIONAL UNDERSTANDING FOR PLANT AND ANIMAL PROTECTION FROM DISEASES AND PESTS - assess effectiveness and cropping system interactions for pesticides which control via pesticide trials at lab, growth chamber, greenhouse, small plot and/or field scale levels

- slugs, symphilids, billbugs and other subsurface insects in seed crop cropping systems
- grass and broadleaf weeds in seed crop, grain and vegetable systems cereal rust and foot rot pathogen - develop basic knowledge of pests by conducting pest biology trials at lab, growth chamber, greenhouse, small plot and/or field scale levels
- slugs, symphilids, crane flies, cereal leaf beetle
- native and invasive grassy and broadleaf weeds including wild oat, brome spp., jointed goatgrass, annual bluegrass, and clover broomrape
- Sudden oak death and orchardgrass choke pathogens
- biocontrol of cereal leaf beetle - Work with plant breeding and genetics colleagues to release new crop varieties with herbicide resistance.

Not reporting on this Output in this Annual Report

V(G). State Defined Outcomes

O No.	Outcome Name
1	Pest management activities are shared with peers and end users <ul style="list-style-type: none"> • New pesticides will be registered; • new pest management systems will be developed and shared with end users; • basic pest biology information will be shared with professional colleagues; • new research methods and discoveries will be published
2	End users adopt new pesticide and pest management systems and strategies for working with invasive pests will be implemented
3	In the long run, <ul style="list-style-type: none"> • Agricultural producers will realize greater economic return in their enterprises; • Strategies for avoiding invasive pests will be in place

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
------	---------------------	--------

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

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

V(H). Planned Program (External Factors)

External factors which affected outcomes

Natural Disasters (drought, weather extremes, etc.)

Economy

Appropriations changes

Public Policy changes

Government Regulations

Competing Public priorities

Competing Programmatic Challenges

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

Brief Explanation

{No Data Entered}

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

1. Evaluation Studies Planned

Evaluation Results

{No Data Entered}

Key Items of Evaluation

{No Data Entered}