

Plant Production Systems

Plant Production Systems

V(A). Planned Program (Summary)

1. Name of the Planned Program

Plant Production Systems

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
201	Plant Genome, Genetics, and Genetic Mechanisms	0%		10%	
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants	4%		10%	
204	Plant Product Quality and Utility (Preharvest)	2%		0%	
205	Plant Management Systems	45%		20%	
206	Basic Plant Biology	5%		10%	
211	Insects, Mites, and Other Arthropods Affecting Plants	4%		10%	
212	Pathogens and Nematodes Affecting Plants	4%		10%	
213	Weeds Affecting Plants	11%		10%	
215	Biological Control of Pests Affecting Plants	2%		10%	
216	Integrated Pest Management Systems	23%		10%	
	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	21.0	0.0	36.0	0.0
Actual	15.0	0.0	17.0	0.0

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

Extension		Research	
Smith-Lever 3b & 3c 370171	1890 Extension	Hatch 1150958	Evans-Allen
	0		0
1862 Matching 370171	1890 Matching	1862 Matching	1890 Matching
	0	1150958	0
1862 All Other 910461	1890 All Other	1862 All Other	1890 All Other
	0	2501097	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

- Conduct basic and applied research in plant productions systems.

- Develop and deliver workshops and educational classes for producers. •Utilize demonstration plots and field days to communicate program results. •Counsel with individual producers and clientele on specific plant production problems

2. Brief description of the target audience

Individual agricultural producers, homeowners, agribusinesses, and commodity organizations.

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	800	5000	0	0
2008	57875	381227	328	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	0	
2008	40	176	206

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

Release of technologies adopted by growers such as crop cultivars, crop germplasm, or components of crop production systems.

Year	Target	Actual
2008	2	143

Output #2**Output Measure**

Number of attendees at workshops/trainings/field days.

Year	Target	Actual
2008	600	17988

Output #3**Output Measure**

Amount of grant dollars garnered to support natural plant production systems research and outreach.

Year	Target	Actual
2008	25000	2927604

Output #4**Output Measure**

Technical publications in the topical area of plant production systems.

Year	Target	Actual
2008	25	40

Output #5**Output Measure**

Number of basic and applied research efforts in plant production systems. Number of workshops, educational classes for producers Number of demonstration plots and field days Number of individual consultations

Year	Target	Actual
2008	50	337

Output #6**Output Measure**

Number of volunteers supporting plant production systems work

Year	Target	Actual
2008	{No Data Entered}	167

Output #7**Output Measure**

Number of newsletters distributed in support of this plan of work

Year	Target	Actual
2008	{No Data Entered}	131

V(G). State Defined Outcomes

O No.	Outcome Name
1	Percent of participants at workshops/trainings/field days indicating an increase in knowledge gained.
2	Percent of participants indicating change in behavior/best practices adopted.
3	Economic impact of the change in behavior reported.
4	Adoption of crop production technology as measured by agricultural statistics.
5	Cultivar releases
6	Weed Management
7	Chemical, cultural and biological controls
8	Adoption of improved wheat cultivars
9	Growth of Hops Industry
10	Production Management Guidelines for Potatoes
11	Selections for 'Plant Select' labeling
12	Improving acceptance of certified potato seed acreage

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 Programmatic Challenges

Brief Explanation

• Individuals' ability to attend fee-for-service programs may have been impacted by economic downturns. • Extensions's ability to provide programming and scholarships for these programs may have been impacted as appropriations continue to decrease and staff is lost. • Drought in the southwest part of Colorado may have impacted individual producer's ability to remain viable.

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

1. Evaluation Studies Planned

After Only (post program)

Before-After (before and after program)

During (during program)

Case Study

Evaluation Results

These Work Team reports do not fully represent the work completed or the results achieved. Formal evaluations may not have been conducted or results may not have been reported. These work teams will need additional evaluation support.

Key Items of Evaluation

Because the Colorado State University Extension Core Competency Areas (CCA) are aligned with program delivery not with Federal reporting categories, there can be imprecision in reporting, especially between animal production systems and plant production systems. This disconnect is continually under review and revision.