

V(A). Planned Program (Summary)

Program # 8

1. Name of the Planned Program

Climate Change - Plants and Their Systems

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
204	Plant Product Quality and Utility (Preharvest)		20%		0%
205	Plant Management Systems		20%		0%
211	Insects, Mites, and Other Arthropods Affecting Plants		20%		0%
212	Pathogens and Nematodes Affecting Plants		20%		0%
213	Weeds Affecting Plants		10%		0%
215	Biological Control of Pests Affecting Plants		10%		0%
	Total		100%		0%

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2012	Extension		Research	
	1862	1890	1862	1890
Plan	0.0	4.8	0.0	0.0
Actual Paid Professional	0.0	6.0	0.0	0.0
Actual Volunteer	0.0	30.0	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
0	425823	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	200646	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

Conducted 5 educational programs and workshops targeted at plant and soil systems.
 Conducted 4 field demonstrations on pasture weed control. Each demo was supported with a workshops/field days/ tours in which producers had the opportunity to visit and talk with a peer about how this program worked on their farm or ranch.
 Provide one-on-one technical assistance/consultations with over 100 producers in this program area.

2. Brief description of the target audience

Small farmers; limited resource farmers; family farmers and socially disadvantaged farmers.

3. How was eXtension used?

Agents received training on establishing eXtension accounts and how to search for information to provide to clients in the Counties.

V(E). Planned Program (Outputs)

1. Standard output measures

2012	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	1204	3426	130	430

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

Patent Applications Submitted

Year: 2012
 Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2012	Extension	Research	Total
Actual	3	0	3

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Conduct educational programs focusing on sustainable production practices in crops and livestock. Provide one-on-one technical assistance/consultations. Assist small scale and socially disadvantaged farmers with alternative marketing plans.

Year	Actual
2012	109

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Program participants are expected to benefit from the educational training programs, workshops, and technical assistance offered by extension service personnel. This will be measured by: Number of farms adopting best management practices Number of farms adopting sustainable techniques for agricultural production Number of farms producing alternative crops Number of farms adopting new, sustainable management practices Number of farms participating in on-farm demonstrations in sustainable agriculture Number of farms adopting new management techniques

Outcome #1

1. Outcome Measures

Program participants are expected to benefit from the educational training programs, workshops, and technical assistance offered by extension service personnel. This will be measured by: Number of farms adopting best management practices Number of farms adopting sustainable techniques for agricultural production Number of farms producing alternative crops Number of farms adopting new, sustainable management practices Number of farms participating in on-farm demonstrations in sustainable agriculture Number of farms adopting new management techniques

2. Associated Institution Types

- 1890 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Small producers traditionally place little value on factors relating to pasture and soil improvements. Many feel that processes such as soil testing, adding lime or weed control is not money well spent. The conservation and management of plant related resources in rural communities are important to the production system for small scale and socially disadvantaged agricultural producers.

What has been done

Extension had developed educational programs and activities related the conservation and management of plants and their systems. One of the best ways to educate producers is by showing them via a demo. CEP worked with the DuPont Corp to conduct field demos in four counties to show the producers the value of weed control. A field day was conducted to expose others to the results.

Results

Producers who attended the field days were able to see the results of a proper weed control program. 95% of those surveyed reported that they plan to use some type of pasture weed control on their farms/ranches. Socially disadvantaged farmers have adopted best management practices that have lead to better management of plants and their systems in rural communities.

4. Associated Knowledge Areas

KA Code	Knowledge Area
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204	Plant Product Quality and Utility (Preharvest)
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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

Brief Explanation

Small producers are very slow to adopt new technology or try new ideas. They will often time attempt to limit their input cost by not doing some of the practices that have been proven to add value. They look at sound production inputs as a cost not as an investment.

V(I). Planned Program (Evaluation Studies)

Evaluation Results

Evaluations were conducted with each outcome program to determine client changes associated with each program. Evaluations measured knowledge gained, skills acquired, or attitude changes. 95% of the participants surveyed indicated that they benefitted from programs delivered. 70% indicated that they would or have adopted at least one agriculture practice under this program area.

Key Items of Evaluation

Producers were willing to consider using sprays to control weeds after seeing it work on another producers place. Demo followed by field days are effective ways of teaching. Agents obtained a list of producers at the field and will follow-up with each offering assistance in this area.