

Natural Resources and Environment

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V(A). Planned Program (Summary)

1. Name of the Planned Program

Natural Resources and Environment

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	0%		10%	
102	Soil, Plant, Water, Nutrient Relationships	29%		10%	
103	Management of Saline and Sodic Soils and Salinity	0%		10%	
111	Conservation and Efficient Use of Water	19%		20%	
112	Watershed Protection and Management	4%		10%	
121	Management of Range Resources	17%		10%	
122	Management and Control of Forest and Range Fires	1%		0%	
123	Management and Sustainability of Forest Resources	4%		10%	
124	Urban Forestry	8%		0%	
131	Alternative Uses of Land	16%		0%	
132	Weather and Climate	0%		10%	
134	Outdoor Recreation	2%		0%	
403	Waste Disposal, Recycling, and Reuse	0%		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	15.0	0.0	14.0	0.0
Actual	27.2	0.0	8.1	0.0

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

Extension		Research	
Smith-Lever 3b & 3c 482412	1890 Extension	Hatch 1655074	Evans-Allen
	0		0
1862 Matching 482412	1890 Matching	1862 Matching	1890 Matching
	0	1655074	0
1862 All Other 1186525	1890 All Other	1862 All Other	1890 All Other
	0	718152	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

•Conduct workshops and educational classes for producers, landowners, and agency personnel. •Establish demonstration plots and field days to share research and outreach results. •Consult with individual producers and landowners to address local problems. •Conduct basic and applied research on environmental and natural resources issues.

2. Brief description of the target audience

Individual agricultural producers, landowners, commodity groups, regulatory agencies, agribusinesses, and local, state, and federal land management agencies.

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	0	0
2008	134944	327190	14357	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	17	128	145

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

Number of attendees at workshops/trainings/field days.

Year	Target	Actual
2008	500	25090

Output #2

Output Measure

Amount of grant dollars garnered to support natural resources research and outreach.

Year	Target	Actual
2008	25000	9361923

Output #3

Output Measure

Number of technical and refereed journal articles published.

Year	Target	Actual
2008	25	17

Output #4

Output Measure

Number of volunteers supporting this program

Year	Target	Actual
2008	{No Data Entered}	2681

Output #5

Output Measure

Number of partnering agencies supporting this program

Year	Target	Actual
2008	{No Data Entered}	189

Output #6

Output Measure

Number of new technologies adopted by producers

Year	Target	Actual
2008	{No Data Entered}	13

Output #7

Output Measure

Value of volunteers' time contributed to this program

Year	Target	Actual
2008	{No Data Entered}	1236934

Output #8

Output Measure

Pounds of food donated to local food banks through Master Gardener efforts

Year	Target	Actual
2008	{No Data Entered}	47000

Output #9

Output Measure

Number of curriculum pieces developed and/or reviewed in support of this plan of work

Year	Target	Actual
2008	{No Data Entered}	7

V(G). State Defined Outcomes

O No.	Outcome Name
1	Number of participants in 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	Number of participants changing an attitude and intending to change as a result of this program
5	Percent of private wells increasing monitoring of water quality
6	Percent of participants changing behavior in small acreage management.
7	Improving Cropping Practices
8	Feasibility and economics of anaerobic digesters for the dairy industry
9	Water Management Tools

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

Natural Disasters (drought, weather extremes, etc.)

Economy

Appropriations changes

Public Policy changes

Government Regulations

Competing Programmatic Challenges

Brief Explanation

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

Considering multiple programs delivered through this Core Competency Area (CCA),

- 64percent of participants reported changing attitude and intending to change behavior as a result of this program.
- 69 percent of participants indicated a change in behavior/best practice adopted.

Key Items of Evaluation

Work Teams involved in this programming have spent considerable time collecting demographic information on their participants. Future efforts should concentrate on impactevaluation.