

Soil and Water Quality

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V(A). Planned Program (Summary)

1. Name of the Planned Program

Soil and Water Quality

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
102	Soil, Plant, Water, Nutrient Relationships				34%
112	Watershed Protection and Management				22%
133	Pollution Prevention and Mitigation				8%
205	Plant Management Systems				28%
403	Waste Disposal, Recycling, and Reuse				8%
	Total				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	0.0	0.0	0.0	2.0
Actual	0.0	0.0	0.0	2.3

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	0	0	379184
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	0	0	472825
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	0	0	6940

V(D). Planned Program (Activity)

1. Brief description of the Activity

- Conduct research studies to develop low-cost water filtration systems using nutshell-based activated carbons, to determine and measure the effectiveness of cover crops in meeting the nutrient needs in organic cropping systems, to use constructed wetlands for treatment of swine wastewater, and to assess how soil management practices, especially no-till approaches, affect soil quality over time.

- Present findings at professional meetings.

- Publish research findings in professional journals.

- Share findings with Extension educators and with other groups that may use the information to improve the viability of small scale agricultural operations.

2. Brief description of the target audience

- Extension educators

- Small-scale and limited resource farmers

- Environmental groups interesting in preserving soil and water quality

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	398	235000	0	0
2008	1797	485833	4049	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	5	
2008	0	5	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

field days

Year	Target	Actual
2008	1	3

Output #2

Output Measure

presentations at professional meetings

Year	Target	Actual
2008	4	6

Output #3

Output Measure

articles published in research and other professional journals

Year	Target	Actual
2008	5	5

Output #4

Output Measure

workshops on improved soil and water management practices

Year	Target	Actual
2008	3	3

Output #5

Output Measure

media occurrences

Year	Target	Actual
2008	5	2

V(G). State Defined Outcomes

O No.	Outcome Name
1	% farmers adopting improved soil and water quality management practices
2	Development of water treatment (wetlands) for small-scale farmers

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.)

Government Regulations

Brief Explanation

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

1. Evaluation Studies Planned

During (during program)

Evaluation Results

Key Items of Evaluation