

Soil Science

Soil Science

V(A). Planned Program (Summary)

1. Name of the Planned Program

Soil Science

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	60%		60%	
205	Plant Management Systems	40%		40%	
Total		100%		100%	

V(C). Planned Program (Inputs)

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

Year: 2007	Extension		Research	
	1862	1890	1862	1890
Plan	1.0	0.0	3.0	0.0
Actual	1.0	0.0	3.0	0.0

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

Extension		Research	
Smith-Lever 3b & 3c 28000	1890 Extension	Hatch 102000	Evans-Allen
0			0
1862 Matching 42000	1890 Matching	1862 Matching 150000	1890 Matching
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

•N rate calibration research projects •Update producer-oriented resource materials to reflect research results of N rate studies •Present research results at workshops, field days and conferences •Compare tillage methods through rotations in the Valley •Investigate tiled drainage newly installed on soil physical and chemical properties, and quality of water effluent

2. Brief description of the target audience

•Growers •Soil testing laboratories •Government agencies •Federal land managers •Consultants, agricultural commodity staff •Public

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	4000	30000	0	0
2007	5000	200000	100	500

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

Year Target

Plan: 2

2007: 0

Patents listed**3. Publications (Standard General Output Measure)****Number of Peer Reviewed Publications**

	Extension	Research	Total
Plan			
2007	20	6	26

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

{No Data Entered}

Not reporting on this Output in this Annual Report

Year	Target	Actual
2007	{No Data Entered}	{No Data Entered}

V(G). State Defined Outcomes

O No.	Outcome Name
1	Number of individuals receiving individual assistance
2	Number of individuals decreasing N use
3	Number of individuals using alternative N sources
4	Number of individuals implementing recommended action or practice
5	Continued decline of N in ground and surface water
6	Estimated dollar value of adopted best management practices (\$)
7	Less commercial N is used (%)
8	Amount of N in ground and surface water is reduced

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

Public Policy changes
Government Regulations

Brief Explanation

Government regulations could accelerate or impede progress towards stated goals by making financial benefits to growers who incorporate management activities, or by making laws or extending crop production goals that reward increased fertilizer use.

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

1. Evaluation Studies Planned

Retrospective (post program)
During (during program)

Evaluation Results

Key Items of Evaluation

If government programs enhance or deter our program, examining the rate of adoption before and after a government program implementation will be helpful in separating our work from external forces.