

# Nutrient Management/Water Quality

Nutrient Management/Water Quality

## V(A). Planned Program (Summary)

### 1. Name of the Planned Program

Nutrient Management/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	20%		20%	
111	Conservation and Efficient Use of Water	15%		15%	
401	Structures, Facilities, and General Purpose Farm Supplies	10%		10%	
402	Engineering Systems and Equipment	15%		15%	
403	Waste Disposal, Recycling, and Reuse	15%		15%	
404	Instrumentation and Control Systems	10%		10%	
405	Drainage and Irrigation Systems and Facilities	15%		15%	
	<b>Total</b>	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
<b>Plan</b>	8.0	3.1	0.0	0.0
<b>Actual</b>	1.1	0.0	12.2	0.0

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

Extension		Research	
Smith-Lever 3b & 3c 31945	1890 Extension	Hatch 205324	Evans-Allen
	0		0
1862 Matching 31945	1890 Matching	1862 Matching 31648	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**

Research and extension activities were conducted to accomplish the following: formation of state and regional advisory groups, assignment of work groups to address specific issues and tasks associated with nutrient management and water quality, participation of targeted audiences such as agricultural producers in environmental education programs, development of publications, fact sheets, web pages and other educational materials as program support, and reporting documents. Specific programs targeted toward agricultural producers included environmental stewardship programs, waste pesticide collection and disposal programs, recycling and solid waste management programs, and other initiatives related to water quality and nutrient management.

**2. Brief description of the target audience**

Stakeholders and customers of research and Extension programs represent a broad section of audiences, including agricultural producers and other rural audiences, agricultural support groups, environmental and water quality agencies, consumers, and traditionally under-served groups.

**V(E). Planned Program (Outputs)****1. Standard output measures****Target for the number of persons (contacts) reached through direct and indirect contact methods**

	<b>Direct Contacts Adults</b>	<b>Indirect Contacts Adults</b>	<b>Direct Contacts Youth</b>	<b>Indirect Contacts Youth</b>
<b>Year</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>
<b>Plan</b>	9379	2345	0	0
2007	2705	1869	0	0

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

**Year Target**

**Plan: 0**

**2007: 0**

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

	<b>Extension</b>	<b>Research</b>	<b>Total</b>
<b>Plan</b>			
2007	4	8	12

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

Number of producers attending seminars, workshops, short courses, and demonstrations.

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	1563	762

**Output #2****Output Measure**

Number of articles/abstracts in journals, proceedings, and edited books.

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	5	16

**V(G). State Defined Outcomes**

<b>O No.</b>	<b>Outcome Name</b>
1	Number of producers adopting new technologies, strategies, or systems.
2	Number of producers improving their environmental stewardship.

**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

Government Regulations

Competing Public priorities

Competing Programmatic Challenges

**Brief Explanation**

In extension, MSU overestimated the overall efforts we would undertake in this program. This has been addressed in the 2009-2013 plan.

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

**1. Evaluation Studies Planned**

Retrospective (post program)

Time series (multiple points before and after program)

Case Study

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}