

# Evaluation of agricultural production on water resources and determination of mitigation strategies

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

### 1. Name of the Planned Program

Evaluation of agricultural production on water resources and determination of mitigation strategies

## V(B). Program Knowledge Area(s)

### 1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
112	Watershed Protection and Management				50%
133	Pollution Prevention and Mitigation				50%
<b>Total</b>					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>	0.0	0.0	0.0	5.2
<b>Actual</b>	0.0	0.0	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	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	0	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

Note: The inclusion of this planned program in the 2007 Plan of work was an oversight; the research activities in this program are part of, and included in, another program in the 2007 Plan of Work entitled "Assessment of nutrients in the Collins River Basin".

Conduct research on the movement of chemical pollutants from soil to water.

Develop strategies to mitigate the movement of contaminants from agricultural production areas to bodies of water.

Strengthen partnerships with watershed associations, farmers, and government (potential funding) agencies.

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

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- Nursery and other agricultural producers who potentially contribute to non-point source pollution of water bodies.
- Students.
- Pesticide producers.
- Government agencies such as Tennessee Departments of Agriculture, Environment and Conservation and Natural Resource Conservation Service.

**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>	0	0	0	0
2007	0	0	0	0

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

**Patent Applications Submitted**

<b>Year</b>	<b>Target</b>
<b>Plan:</b>	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	0	0	0

**V(F). State Defined Outputs**

**Output Target**

**Output #1**

**Output Measure**

Scientific publications concerning determination and mitigation of agricultural production related watershed issues

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	0	0

**Output #2**

**Output Measure**

New techniques in measurement and mitigation of agricultural production related watershed issues

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	0	0

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

<b>O No.</b>	<b>Outcome Name</b>
1	Bodies of water removed from 303(d) list
2	Percentage of additional agricultural producers adopting watershed friendly strategies
3	Percentage of additional agricultural producers adopting enhanced Best Management Practices (BMP)
4	Students trained in watershed measurement and analysis techniques

**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 Public priorities

Other (See explanation below.)

**Brief Explanation**

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

**1. Evaluation Studies Planned**

Before-After (before and after program)

During (during program)

Comparisons between program participants (individuals, group, organizations) and non-participants

Comparisons between different groups of individuals or program participants experiencing different levels of program intensity.

Comparison between locales where the program operates and sites without program intervention

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}