

Natural Resources and Environment - Soil, Water, and Air

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V(A). Planned Program (Summary)

1. Name of the Planned Program

Natural Resources and Environment - Soil, Water, and Air

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 | 10% | | | |
| 102 | Soil, Plant, Water, Nutrient Relationships | 40% | | | |
| 104 | Protect Soil from Harmful Effects of Natural Elements | 10% | | | |
| 111 | Conservation and Efficient Use of Water | 15% | | | |
| 112 | Watershed Protection and Management | 15% | | | |
| 141 | Air Resource Protection and Management | 10% | | | |
| | 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 | 8.0 | 0.0 | 0.0 | 0.0 |
| Actual | 5.2 | 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 173014 | 1890 Extension | Hatch | Evans-Allen |
| | 0 | 0 | 0 |
| 1862 Matching 86507 | 1890 Matching | 1862 Matching | 1890 Matching |
| | 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

•Develop a curriculum on air quality in agriculture (animal waste management). •Offer short courses and trainings on practices, laws, and regulations related to soil, water, and air. •Develop a curriculum related to protection of watersheds. •On-site farm visits. •Establish demonstration projects on the recommended practices for air quality and soil conservation practices. •Establish collaboration with government agencies (local, state and federal). •Distribute information at agricultural fair and festivals.

2. Brief description of the target audience

Farmers (includes small family farms, large scale farm business operations), farm workers, government professionals, Extension professionals, and community residents.

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 | 3500 | 2500 | 0 | 0 |
| 2008 | 3109 | 3502 | 0 | 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 | 1 | 0 | |
| 2008 | 0 | 0 | 0 |

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

Number of trainings offered on soil, water, and air.

| Year | Target | Actual |
|-------------|---------------|---------------|
| 2008 | 15 | 15 |

Output #2

Output Measure

Number of farmers trained on agricultural practices for air and water quality.

| Year | Target | Actual |
|-------------|---------------|---------------|
| 2008 | 150 | 115 |

Output #3

Output Measure

Number of people trained on environmental regulations for soil, air and water quality.

| Year | Target | Actual |
|-------------|---------------|---------------|
| 2008 | 300 | 252 |

Output #4

Output Measure

Number of farmers trained on soil fertility.

| Year | Target | Actual |
|-------------|---------------|---------------|
| 2008 | 250 | 595 |

Output #5

Output Measure

Number of farmers trained on soil conservation practices.

| Year | Target | Actual |
|-------------|---------------|---------------|
| 2008 | 150 | 289 |

Output #6

Output Measure

Number of people trained on watershed protection.

| Year | Target | Actual |
|-------------|---------------|---------------|
| 2008 | 75 | 223 |

Output #7

Output Measure

Number of people trained on conservation and effective use of water resources.

| Year | Target | Actual |
|-------------|---------------|---------------|
| 2008 | 250 | 238 |

V(G). State Defined Outcomes

| O No. | Outcome Name |
|--------------|--|
| 1 | Number of farmers that adopted the recommended practices for air and water quality |
| 2 | Number of farmers that comply with the soil, air, and water regulations. |
| 3 | Number of farmers that adopted the fertilization practices. |
| 4 | Number of farmers that adopted one or more soil conservation practices. |
| 5 | Number of farmers that established practices for the protection of watersheds. |
| 6 | Number of persons that adopted practices to improve water resources. |

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 |
|------|---------------------|--------|
|------|---------------------|--------|

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

| KA Code | Knowledge Area |
|---------|----------------|
|---------|----------------|

V(H). Planned Program (External Factors)

External factors which affected outcomes

Natural Disasters (drought, weather extremes, etc.)

Economy

Appropriations changes

Government Regulations

Other (change in agency administration and community leaders)

Brief Explanation

There was a decrease in farm operations due to fewer incentives from the Department of Agriculture and an increase in fertilizer and pest control prices. There are more regulations that require capital investment to keep the business operating and the farmers did not have the money to do all the practices.

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

1. Evaluation Studies Planned

Before-After (before and after program)

Case Study

Evaluation Results

Key Items of Evaluation