

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

**Program # 4**

**1. Name of the Planned Program**

Climate Change

- Reporting on this Program
  - Reason for not reporting
  - Climate Change (No Work)

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

1. Program Knowledge Areas and Percentage

**V(C). Planned Program (Inputs)**

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

Year: 2012	Extension		Research	
	1862	1890	1862	1890
Plan	0.0	2.5	0.0	4.0
Actual Paid Professional	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
Actual Volunteer	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

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

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
1862 Matching	1890 Matching	1862 Matching	1890 Matching
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
1862 All Other	1890 All Other	1862 All Other	1890 All Other
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

**V(D). Planned Program (Activity)**

**1. Brief description of the Activity**

Improved cultural practices, such as crop rotation, conservation tillage, mulching, multiple-cropping, nutrient management and other factors of optimal production will be identified and recommended as best management practice(s). Insects, mites and other arthropods affecting plants pests of the crop plants will be controlled with appropriate pesticides. Major principles of integrated pest management system will be

demonstrated and made available to farmers. The need to use the identified pest resistant cultivars will be emphasized. Weeds affecting crop lands will be controlled with appropriate herbicides, mulching with organic and/or synthetic materials, cover cropping, and solarization, among other measures that will be found suitable through research at Alcorn State University. Research guides will be established to identify techniques needed to supply limited-resource farmers with alternatives that will provide additional income from their property. Studies will be used to identify the best management practices (BMPs) in combination with best available technologies (BATs) that will increase crop production and maximize profitability. Concurrent research will also be used to evaluate the costs and benefits associated with each BMPs and BATs. Research findings will be shared with stakeholders via newsletters, information sheets, research reports, and flyers. Educational materials will be disseminated through workshops and demonstrations.

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

Small and limited-resource farmers.

**3. How was eXtension used?**

{No Data Entered}

**V(E). Planned Program (Outputs)**

**1. Standard output measures**

2012	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Actual</b>	0	0	0	0

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

**Patent Applications Submitted**

Year: 2012

Actual: {No Data Entered}

**Patents listed**

{No Data Entered}

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2012	Extension	Research	Total
<b>Actual</b>	0	2	0

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

**Output Target**

**Output #1**

**Output Measure**

- Number of papers and publications developed by research.

<b>Year</b>	<b>Actual</b>
2012	0

**Output #2**

**Output Measure**

- Conduct educational seminars for limited-resource farm families and youths in communities on soil, plant, water, and nutrient relationships.

<b>Year</b>	<b>Actual</b>
2012	0

**Output #3**

**Output Measure**

- Conduct educational training on sustainable crop production practices to limited-resources farm families.

<b>Year</b>	<b>Actual</b>
2012	0

**Output #4**

**Output Measure**

- Develop educational fact sheets on sustainable crop production practices.

<b>Year</b>	<b>Actual</b>
2012	0

**Output #5**

**Output Measure**

- Number of research projects.

<b>Year</b>	<b>Actual</b>
2012	0

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

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Increase Cost Benefit Analysis evaluations associated with each Best Management Practices (BMPs) and Best Available Technologies (BATs).
2	Improve educational materials to address BMPs and BATs.
3	Increase number of workshops and seminars related to sustainable agriculture production.
4	Increase number of farmer/producers to adopt and implement sustainable agriculture production.

## **Outcome #1**

### **1. Outcome Measures**

Increase Cost Benefit Analysis evaluations associated with each Best Management Practices (BMPs) and Best Available Technologies (BATs).

### **2. Associated Institution Types**

- 1890 Extension
- 1890 Research

### **3a. Outcome Type:**

Change in Action Outcome Measure

### **3b. Quantitative Outcome**

<b>Year</b>	<b>Actual</b>
2012	0

### **3c. Qualitative Outcome or Impact Statement**

#### **Issue (Who cares and Why)**

{No Data Entered}

#### **What has been done**

{No Data Entered}

#### **Results**

{No Data Entered}

### **4. Associated Knowledge Areas**

#### **KA Code    Knowledge Area**

{No Data}    null

## **Outcome #2**

### **1. Outcome Measures**

Improve educational materials to address BMPs and BATs.

### **2. Associated Institution Types**

- 1890 Extension
- 1890 Research

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Actual
2012	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
{No Data}	null

**Outcome #3**

**1. Outcome Measures**

Increase number of workshops and seminars related to sustainable agriculture production.

**2. Associated Institution Types**

- 1890 Extension
- 1890 Research

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Actual</b>
2012	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
{No Data}	null

**Outcome #4**

**1. Outcome Measures**

Increase number of farmer/producers to adopt and implement sustainable agriculture production.

**2. Associated Institution Types**

- 1890 Extension
- 1890 Research

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Actual</b>
2012	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

{No Data Entered}

**What has been done**

{No Data Entered}

**Results**

{No Data Entered}

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
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{No Data}	null
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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
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies)**

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}