

V(A). Planned Program (Summary)

Program # 8

1. Name of the Planned Program

Climate Change

Reporting on this Program

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	0%	0%	33%	0%
123	Management and Sustainability of Forest Resources	0%	0%	33%	100%
141	Air Resource Protection and Management	0%	0%	10%	0%
403	Waste Disposal, Recycling, and Reuse	0%	0%	17%	0%
511	New and Improved Non-Food Products and Processes	0%	0%	7%	0%
604	Marketing and Distribution Practices	100%	0%	0%	0%
	Total	100%	0%	100%	100%

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2013	Extension		Research	
	1862	1890	1862	1890
Plan	3.0	0.0	1.0	1.0
Actual Paid Professional	1.0	0.0	3.2	0.5
Actual Volunteer	55.0	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	131146	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	0	385387	22738
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	0	73110	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

- Emergency preparedness plans will be implemented with be prepared for all Extension offices
- The Agricultural Weather Center will supply information on temperature and moisture conditions to guide agricultural operations
- Economists will conduct educational programs for Extension agents and agricultural producers on ways to reduce risks
- Research on the impact of climate change on the ecology of plant pests and diseases was conducted
- Creation of new technologies and best management practices for mitigating greenhouse gas emissions was explored
- KSU will offer a floating science lab to show students the impact of climate and human use on aquatic systems.

2. Brief description of the target audience

- extension agents
- extension office staff
- agricultural producers
- community leaders
- general public

3. How was eXtension used?

Webinars, available literature

V(E). Planned Program (Outputs)

1. Standard output measures

2013	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	341	3258	232	2172

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

Patent Applications Submitted

Year: 2013

Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2013	Extension	Research	Total
Actual	0	10	10

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Published research journal articles.

Year	Actual
2013	9

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Number of individuals reporting changes in knowledge, opinions, skills or aspirations related to the impact of public policies on agriculture and the environment
2	Number of individuals reporting an increase in knowledge, opinions, skills or aspirations related to climate change

Outcome #1

1. Outcome Measures

Number of individuals reporting changes in knowledge, opinions, skills or aspirations related to the impact of public policies on agriculture and the environment

2. Associated Institution Types

- 1862 Extension
- 1862 Research
- 1890 Research

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2013	15372

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

With the recent changes, many Kentucky residents are not aware of the current ag and environmental policies that could impact their farming operations. Extension must meet the challenge of providing relevant and timely information.

What has been done

UK department of Agricultural Economics has provided training for agricultural lenders across the state. UK Income Tax Seminars were offered at seventeen locations and were attended by 1,821 participants. The Kentucky FarmStart program provides information that can impact beginning farmers.

Results

Producers attending the meetings hosted by Ag Economics specialists indicated that they have a better understanding of how crop insurance interacts with marketing. They have also indicated that they feel more comfortable selling crops during the growing season than before. They also feel they are making better tax decisions. For the Kentucky Farm Start program, 85% of survey respondents reported confidence in their ability to manage their farm business as a result of participation in the course. Statistically significant knowledge increases were reported in all 12 knowledge areas accessed, including: business goals and missions, legal considerations, financial documents, farm business plans, crop production, livestock production, government programs, soils marketing, selecting a new farm enterprise, resource evaluation, and leadership development.

4. Associated Knowledge Areas

KA Code	Knowledge Area
123	Management and Sustainability of Forest Resources
141	Air Resource Protection and Management
604	Marketing and Distribution Practices

Outcome #2

1. Outcome Measures

Number of individuals reporting an increase in knowledge, opinions, skills or aspirations related to climate change

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2013	7770

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Climate change continues to spark much debate. It is important that we understand the cause and potential effects on our environment and agriculture so that we can prepare and adjust for these changes.

What has been done

An online survey was created to assess perceptions of climate change.

Results

A total of 98% were in agreement that climate change is real, it is serious and it is a result of human activities.

4. Associated Knowledge Areas

KA Code	Knowledge Area
141	Air Resource Protection and Management
604	Marketing and Distribution Practices

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Natural Disasters (drought, weather extremes, etc.)
- Economy
- Appropriations changes
- Government Regulations
- Competing Programmatic Challenges

Brief Explanation

V(I). Planned Program (Evaluation Studies)

Evaluation Results

Increase in knowledge & awareness

Key Items of Evaluation

survey