

V(A). Planned Program (Summary)

Program # 11

1. Name of the Planned Program

Climate Change

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
132	Weather and Climate	100%		54%	
135	Aquatic and Terrestrial Wildlife	0%		11%	
136	Conservation of Biological Diversity	0%		3%	
202	Plant Genetic Resources	0%		28%	
303	Genetic Improvement of Animals	0%		4%	
	Total	100%		100%	

V(C). Planned Program (Inputs)

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

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Actual	0.0	0.0	3.2	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	422824	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	0	422824	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	0	544973	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

Faculty participate in the associated multistate research committees, NC7 and NC1179. They are working to enhance the understanding of crop-climate-soil interaction at a regional scale.

In addition, NC7, CONSERVATION, MANAGEMENT, ENHANCEMENT AND UTILIZATION OF PLANT GENETIC RESOURCES, is an ongoing effort to ensure sustainable production of crops for food, feed, fiber, industrial or medicinal/nutraceutical uses is threatened by many forces, including climate change. Plant genetic resources (or germplasm) in the form of seeds and plants provide the raw materials that scientists use to address crop production challenges, develop new crops, and identify new uses for existing crops. Scientists use these resources to develop knowledge or products valuable in coping with inadequate water or nutrient supplies, diseases or insect pests, heat and cold tolerance, understand their nutritional properties, and for many other purposes. Much of the world's naturally occurring plant genetic resources are threatened by loss of habitat, climate change, or disasters caused by nature or the activities of mankind such as development and overgrazing. Conservation of plant genetic resources, coupled with collection of information that helps us understand their nature, helps assure their availability to benefit society in the future.

2. Brief description of the target audience

Target audience includes scientists, agribusinesses, policy makers, agricultural producers, agricultural economists, state agencies, local government officials, and community planners.

V(E). Planned Program (Outputs)

1. Standard output measures

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Plan	{NO DATA}	{NO DATA}	{NO DATA}	{NO DATA}
Actual	0	0	0	0

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

Patent Applications Submitted

Year: 2010

Plan:

Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2010	Extension	Research	Total
Actual	0	10	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- {No Data Entered}

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

Outcome #1

1. Outcome Measures

{No Data Entered}

V(H). Planned Program (External Factors)

External factors which affected outcomes

Brief Explanation

{No Data Entered}

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

1. Evaluation Studies Planned

Evaluation Results

{No Data Entered}

Key Items of Evaluation

{No Data Entered}