

V(A). Planned Program (Summary)

Program # 5

1. Name of the Planned Program

Program in Economic Sciences

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
601	Economics of Agricultural Production and Farm Management			15%	
602	Business Management, Finance, and Taxation			5%	
603	Market Economics			15%	
604	Marketing and Distribution Practices			10%	
605	Natural Resource and Environmental Economics			15%	
606	International Trade and Development			10%	
607	Consumer Economics			10%	
609	Economic Theory and Methods			5%	
610	Domestic Policy Analysis			10%	
901	Program and Project Design, and Statistics			5%	
	Total			100%	

V(C). Planned Program (Inputs)

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

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Plan	0.0	0.0	21.4	0.0
Actual	0.0	0.0	19.0	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	111353	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	0	95901	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	0	2524794	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

The expected outputs from this research take a number of different forms. One form is the publication of high quality peer reviewed publications, which will validate the scientific merit of the research performed under this project, and will stand as long term contributions to the inventory of knowledge in the respective areas of inquiry. It is also expected that a number of research bulletins, research grant reports, and both peer-reviewed and invited presentations disseminating the results of the research will be delivered to appropriate clientele by faculty analysts themselves. In addition to outreach efforts by research faculty, which is an expectation of all faculty in the School of Economic Sciences, the research results will also be translated into an outreach and engagement effort through collaboration with Extension faculty, and timely and relevant deliverables in this regard will include Extension bulletins, workshops, downloadable data, tables, and reports, and other outreach and engagement activities with appropriate clientele. It is expected that the knowledge disseminated through the aforementioned mechanisms to appropriate decisions makers in various segments of the agricultural sector, government, and general society will generate an informed decision environment and will contribute sufficient insights into the economic and societal consequences of decisions so that actual decisions made will enhance the sustainability of the agricultural sector, balance the need for uses and preservation of natural resources, and further good stewardship of the environment.

2. Brief description of the target audience

The target audience of the School of Economic Sciences includes decision makers in various segments of the agricultural sector, government and the general society. Our work will also influence economists in academia nationally and internationally.

V(E). Planned Program (Outputs)

1. Standard output measures

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Plan	1000	1500	0	0
Actual	1356	1464	2	5

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

Patent Applications Submitted

Year: 2010
 Plan: 0
 Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2010	Extension	Research	Total
Plan	9	24	
Actual	20	23	43

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Peer reviewed journal articles

Year	Target	Actual
2010	24	24

Output #2

Output Measure

- Graduate students supported by experiment station and grant funds

Year	Target	Actual
2010	40	34

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Number and Quality/reputation of refereed journal publications (mid-tier field/economics journals and above).
2	Number and quality of other research bulletins, reports and presentations at major conferences.
3	Degree of contribution of fundamental knowledge within the fields researched (percent increase).
4	Number and value of external grants in support of the research program (units are dollars).
5	Contribution to improved/new research methods/tools (percent of output).
6	Relevant knowledge generated for use by policy and decision makers (percent of output).
7	Number of graduate students trained and placed in the job market.
8	Degree to which overall research funding is increased (percent).
9	Number of additional institutionally funded and externally funded GRAs that are studying and researching in the School.

Outcome #1

1. Outcome Measures

Number and Quality/reputation of refereed journal publications (mid-tier field/economics journals and above).

2. Associated Institution Types

- 1862 Research

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2010	24	23

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Addresses a variety of priority issues relating to the indicated USDA knowledge areas and that were also listed previously as being addressed as part of SES's Research Program.

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
603	Market Economics
605	Natural Resource and Environmental Economics
606	International Trade and Development
607	Consumer Economics
609	Economic Theory and Methods
610	Domestic Policy Analysis
901	Program and Project Design, and Statistics

Outcome #2

1. Outcome Measures

Number and quality of other research bulletins, reports and presentations at major conferences.

2. Associated Institution Types

- 1862 Research

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2010	30	20

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Addresses a variety of priority issues relating to the indicated USDA knowledge areas and that were also listed previously as being addressed as part of SES's Research Program.

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
603	Market Economics
605	Natural Resource and Environmental Economics
606	International Trade and Development
607	Consumer Economics
609	Economic Theory and Methods
610	Domestic Policy Analysis
901	Program and Project Design, and Statistics

Outcome #3

1. Outcome Measures

Degree of contribution of fundamental knowledge within the fields researched (percent increase).

2. Associated Institution Types

- 1862 Research

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2010	5	5

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

This represents the estimated proportion of published and presented research output generated by faculty that contributes to the advancement of economic theory for use in applied economic research.

What has been done

Contributions to the economic theory-based conceptualizations of models of economic behavior that underlay analyses of consumer, producer, and agribusiness decision making.

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
603	Market Economics
605	Natural Resource and Environmental Economics
606	International Trade and Development
607	Consumer Economics
609	Economic Theory and Methods
610	Domestic Policy Analysis
901	Program and Project Design, and Statistics

Outcome #4

1. Outcome Measures

Number and value of external grants in support of the research program (units are dollars).

2. Associated Institution Types

- 1862 Research

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2010	1100000	1900000

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

This represents the amount of new extramural funding for which faculty have been associated as either a PI, Co-PI, or collaborator.

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
603	Market Economics
605	Natural Resource and Environmental Economics
606	International Trade and Development
607	Consumer Economics
609	Economic Theory and Methods
610	Domestic Policy Analysis
901	Program and Project Design, and Statistics

Outcome #5

1. Outcome Measures

Contribution to improved/new research methods/tools (percent of output).

2. Associated Institution Types

- 1862 Research

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2010	5	5

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

This represents the estimated proportion of published and presented research output generated by faculty that contributes to the advancement of statistical/econometric theory and methods for use in applied quantitative economic research.

What has been done

Research on new or improved statistical and econometric methods that underlie quantitative economic analyses of consumer, producer, and agribusiness decision making was completed, and papers on the results were presented and published.

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
603	Market Economics
605	Natural Resource and Environmental Economics
606	International Trade and Development
607	Consumer Economics
609	Economic Theory and Methods
610	Domestic Policy Analysis
901	Program and Project Design, and Statistics

Outcome #6

1. Outcome Measures

Relevant knowledge generated for use by policy and decision makers (percent of output).

2. Associated Institution Types

- 1862 Research

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2010	10	18

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

This represents the estimated proportion of published and presented research output generated by faculty that addresses priority issues in the Agricultural and Natural Resource sectors and that contributes to informing policy and decision makers as to the benefits, costs, societal welfare, and overall economic consequences of decision outcomes.

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
603	Market Economics
605	Natural Resource and Environmental Economics
606	International Trade and Development
607	Consumer Economics
609	Economic Theory and Methods
610	Domestic Policy Analysis
901	Program and Project Design, and Statistics

Outcome #7

1. Outcome Measures

Number of graduate students trained and placed in the job market.

2. Associated Institution Types

- 1862 Research

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2010	14	8

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

This represents the number of PhD (8) students who have successfully completed the graduate program and who have been placed in positions relevant to their training.

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
603	Market Economics
605	Natural Resource and Environmental Economics
606	International Trade and Development
607	Consumer Economics
609	Economic Theory and Methods
610	Domestic Policy Analysis
901	Program and Project Design, and Statistics

Outcome #8

1. Outcome Measures

Degree to which overall research funding is increased (percent).

2. Associated Institution Types

- 1862 Research

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2010	10	50

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Substantial increase in the amount of research funding has been derived from increased success in securing extramural funding by the program's faculty. However we experienced significant reduction in research operations funding from the state.

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
603	Market Economics
605	Natural Resource and Environmental Economics
606	International Trade and Development
607	Consumer Economics
609	Economic Theory and Methods
610	Domestic Policy Analysis
901	Program and Project Design, and Statistics

Outcome #9

1. Outcome Measures

Number of additional institutionally funded and externally funded GRAs that are studying and researching in the School.

2. Associated Institution Types

- 1862 Research

3a. Outcome Type:

Change in Condition Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2010	2	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Unable to fund additional grad students due to the timing of the progress of existing graduate students to graduation.

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
603	Market Economics
605	Natural Resource and Environmental Economics
606	International Trade and Development
607	Consumer Economics
609	Economic Theory and Methods
610	Domestic Policy Analysis
901	Program and Project Design, and Statistics

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Economy
- Appropriations changes
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Competing Programmatic Challenges

Brief Explanation

There has been some reduction in the number of faculty in the School whose principal research focus is on traditional agricultural sector issues. Because of an unprecedented number of faculty retirements, there has also been a substantial demographic change in the unit, with more than half of the faculty being assistant professors and on the faculty for 3.5 years or less. These factors combined to exert a notable negative influence on the overall research productivity of the unit in critical areas relevant to the types of output produced and tracked in this report.

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

1. Evaluation Studies Planned

- Before-After (before and after program)
- During (during program)

Evaluation Results

Key Items of Evaluation