

Agricultural, Environmental, and Development Economics-OARDC Led

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V(A). Planned Program (Summary)

1. Name of the Planned Program

Agricultural, Environmental, and Development Economics-OARDC Led

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	20%		20%	
602	Business Management, Finance, and Taxation	20%		20%	
603	Market Economics	15%		15%	
605	Natural Resource and Environmental Economics	15%		15%	
606	International Trade and Development	15%		15%	
610	Domestic Policy Analysis	15%		15%	
	Total	100%		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	0.0	0.0	7.5	0.0
Actual	0.0	0.0	8.0	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	1136275	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	0	658387	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

Food, Agricultural and Economics Development planned program outputs for this planning year include, but are not limited to: online and in print research based publications targeted to (a) specific stakeholder groups including industrial partners, (b) support publics such as fellow agencies, political entities, (c) targeted populations, and (d) the broader general public; peer-reviewed journal articles; non-commercialized techniques that are distributed to those in need without costs; consultation services and meetings with stakeholders and supporters; facilitation of training programs/workshops for other scientist and for specific groups of stakeholders, including international visitors; and planning meeting with advisory groups to communicate findings and plan new research. Specifics, as well as impacts, are found in Outcome Measures.

2. Brief description of the target audience

Targeted audiences include, but are not limited to: specific individuals or groups who have expressed a need for economic findings related to some aspect of human capital that is to be derived through new research, extracted from on-going research, or is derived from scientific literature; fellow academic units that depend on scientists in this program for support information and for the approaches/measures they generate; fellow agencies or support organizations who will not only use the economic information but will also extend that information; populations who have not requested the information but will likely benefit from that information; other scientists and scientific groups; political entities; extension personnel; students from junior high school to post doctorate studies; news organizations; and business and industrial groups.

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	0	0	0	0
2008	0	0	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	0	14	
2008	0	47	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

Online and print research-based publications will be tracked in terms of number of hits on the web site and the numbers and sites for distribution of printed materials;

Year	Target	Actual
2008	20	57

Output #2

Output Measure

Peer-reviewed publications will be tracked in terms of name and tier of journal, as well as record of citations of the article;

Year	Target	Actual
2008	14	47

Output #3

Output Measure

Document non - commercialized techniques such as methods for tracking specific programs and who received those programs and what was the impact;

Not reporting on this Output in this Annual Report

Output #4

Output Measure

Document number of consultations with recipients and in what areas;

Not reporting on this Output in this Annual Report

Output #5

Output Measure

Track training programs by how many of what type of stakeholder participated in what type of program; what non-OARDC organization helped to lead the training;

Not reporting on this Output in this Annual Report

Output #6

Output Measure

Develop and document planning meeting participation as to who (non-OARDC) participated at what level to help take research projects and practices to the next level; and

Not reporting on this Output in this Annual Report

Output #7

Output Measure

Report number of graduate students completed, their research areas, and the positions of employment they hold.

Not reporting on this Output in this Annual Report

V(G). State Defined Outcomes

O No.	Outcome Name
1	New knowledge of production variations in markets that help producers, processors, and distributors have requisite information for enhanced decision making leading to decreased costs of inputs and an increase in profits/outputs.
2	Advanced knowledge of how to market and manage quality attributes of commodities leading to demonstrated value added/ profits for producers, processors, and distributors, and reported satisfaction/needs attainment among consumers.
3	Business management knowledge in targeted areas, e.g. risk management, weather insurance, impacts of land use shifts, grant management that are necessary for and result in increased profitability for stakeholders.
4	Research findings on novel programs such as pollution trading, carbon trading, conservation programs, cooperatives, etc. that results in enhanced profits, new sources of income, and/or prevention of loss of profits or loss of other resources, e.g. soil.
5	Relational contracting theory and practice information that will contribute to reduction of risks, improving profits, and adding stability to the system that meet stated stakeholder needs.
6	Stakeholders will have the necessary models that will improve on the forecasting of risk, demand, and prices in various commodity sectors leading to enhanced decision making, increased profits, and reductions in uncertainty.
7	Resultant management models that explain potential impacts of new/emerging trends e.g. trade agreements, bio-terrorism threats, and renewable fuels requirements, on specific agriculture sectors to the extent that negative impacts can be mitigated in a timely manner.
8	Market economies and efficiencies studies relating to factors such as pricing, finance, supply and demand, etc. ensuring that stakeholders are informed and their identified needs, e.g. lower operating costs, become more attainable.
9	Research finding on valuing environmental resources, e.g. wetlands, river restoration, and how it applies to stakeholder needs for demonstrated gains in profits, resources sustained, and/or actions mitigated.
10	Biocomplexity analysis to understand human-nature interactions at the landscape level that informs human enterprises, leading to demonstrated profitability, environmental protection, and/or improvements in quality of stakeholders' lives.
11	Increase profitability, reduce environmental impact, and/or improve quality of stakeholders' lives through bio-resource utilization efficiency and effectiveness research such as biomass to energy, nitrogen utilization, biocides, etc.
12	Market and non-market valuation of environmental resources, e.g. steelhead trout fishing, open space, that have often lacked economic justification that meets client needs, and informs individual, group, and government decision making.
13	Advance knowledge of vertical markets in developing counties that when applied leads to documented increased trade with the US.
14	Exchange rate, trade policy, and similar uncertainties research findings that lead to documented mitigation for stakeholders of certain negative effects of international trade.
15	New policy analysis research that informs policy development and fosters demonstrated gains for stakeholders in areas such as conservation programs, farmland protection, Farm Credit System resources, etc.

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
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3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
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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

To a greater or lesser extent all factors noted above effect impacts. Perhaps the most influential factor effecting achievement of impacts is monetary. As state and federal base funding have not kept pace with inflation, researchers have sought to continue to grow extramural funding. Research faculty size is decreasing as the result of less federal and state support meaning fewer scientists to compete for funding. While researchers have been relatively successful in bridging part of the dollar gap (loss), that funding is limited to grant and contract scopes of work. This has two effects. One, these extramural funds can not be used to hire core faculty so the faculty can not regrow, often meaning that faculties operate with less than a critical mass. Second, fewer faculty members working more extensively on external grants means that some of the mission oriented research services, especially those provided to stakeholders without costs, can no longer be provided. Both place the faculty member and the institution at a disadvantage in terms of scholarship, stakeholder support, and service.

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

1. Evaluation Studies Planned

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

Evaluation Results

{No Data Entered}

Key Items of Evaluation

{No Data Entered}