

Plant Systems-OARDC Led

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V(A). Planned Program (Summary)

1. Name of the Planned Program

Plant Systems-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
201	Plant Genome, Genetics, and Genetic Mechanisms	10%		10%	
202	Plant Genetic Resources	15%		15%	
204	Plant Product Quality and Utility (Preharvest)	30%		30%	
205	Plant Management Systems	10%		10%	
211	Insects, Mites, and Other Arthropods Affecting Plants	5%		5%	
212	Pathogens and Nematodes Affecting Plants	5%		5%	
213	Weeds Affecting Plants	5%		5%	
214	Vertebrates, Mollusks, and Other Pests Affecting Plants	5%		5%	
216	Integrated Pest Management Systems	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	22.2	0.0
Actual	0.0	0.0	30.5	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	2518308	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	0	2645123	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**

Outputs within this planned program for 2008 include, but are not limited to: online and in print research –based publications targeted to (a) specific stakeholder groups, (b) support publics such as fellow agencies, political entities, (c) targeted populations, and (d) the broader general public, including mass media releases; peer-reviewed journal articles; commercialized techniques; non-commercialized techniques that are distributed to those in need without costs (e.g. wetland construction techniques); limited number of patents; 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 plant systems information that is to be derived through new research, extracted from ongoing research, or is derived from scientific literature. Often those requests are communicated to OARDC by an intermediary such as a staffer at a USDA office, NRCS, or a county extension agent; fellow agencies or support organizations who will not only use the information but will also be brokers of that information, including embedding it into groups to encourage change; populations who have not requested the information but will likely benefit from that information, e.g. home gardeners; other scientists and scientific groups; political entities; extension personnel; students for pre-school to post doctorate studies; and news organizations.

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:	3

Patents listed**3. Publications (Standard General Output Measure)****Number of Peer Reviewed Publications**

	Extension	Research	Total
Plan	0	24	
2008	0	141	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

ó ó ó óonline 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;
Not reporting on this Output in this Annual Report

Output #2

Output Measure

ó ó ó ó ó ó ó ópeer-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	24	141

Output #3

Output Measure

ó ó ó ó ó ó ó ó ó ó ó ó ó ó ó ócommercialized techniques will be tracked as to purchaser, number of adoptions, and by whom;
Not reporting on this Output in this Annual Report

Output #4

Output Measure

ó ópatents by number and who partnered/purchased/commercialized;

Year	Target	Actual
2008	0	3

Output #5

Output Measure

ó ó ó ónon - commercialized techniques will be tracked as to number of adoptions, and by whom;

Year	Target	Actual
2008	1	1

Output #6

Output Measure

ó ó ó ó ó ó ó óconsultations with recipients and in what areas;
Not reporting on this Output in this Annual Report

Output #7

Output Measure

ó ó ótraining program 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 #8

Output Measure

ó ó ó ó ó ó ó óplanning meeting participation as to who(non-OARDC) participated at what level to help take a research project to the next level.
Not reporting on this Output in this Annual Report

Output #9

Output Measure

ó ónumber of graduate students graduated and professional positions they hold
Not reporting on this Output in this Annual Report

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(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 relations, 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

Comparison between locales where the program operates and sites without program intervention

Evaluation Results

{No Data Entered}

Key Items of Evaluation

{No Data Entered}