

Natural Resources and Environmental Systems-OARDC Led

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V(A). Planned Program (Summary)

1. Name of the Planned Program

Natural Resources and Environmental 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
112	Watershed Protection and Management	0%		5%	
123	Management and Sustainability of Forest Resources	25%		25%	
124	Urban Forestry	0%		5%	
133	Pollution Prevention and Mitigation	20%		10%	
135	Aquatic and Terrestrial Wildlife	40%		35%	
136	Conservation of Biological Diversity	15%		20%	
	Total	100%		100%	

V(C). Planned Program (Inputs)

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

Year: 2007	Extension		Research	
	1862	1890	1862	1890
Plan	0.0	0.0	4.0	0.0
Actual	0.0	0.0	3.8	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	269251	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	0	549053	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 research program are/will be: - 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; - non-commercialized techniques that are distributed to those in need without costs (e.g. wildlife depredation mitigation techniques); - consultation services and meetings with agencies/organizations, stakeholders and supporters; - facilitation of training programs/workshops for other scientists, support organizations such as ODNR and for specific groups of stakeholders, including international visitors; and - planning meeting with advisory groups to communicate findings and to plan new research.

2. Brief description of the target audience

Targeted audiences are, but are not limited to: - specific individuals or groups who have expressed a need for natural resources and environmental research knowledge that is to be derived through new research, extracted from on-going research, or is derived from scientific literature. Often those requests are communicated to OARDC by an intermediary such as a staffer at USDA, ODNR, or a county extension agent; - related 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, e.g. fish and wildlife clubs; - populations who have not requested the information but will likely benefit from that information, e.g. people who fish for recreation; - other scientists and scientific groups; - political entities; - extension personnel; - students from pre-school to post doctorate studies; - news organizations; and - business groups such as Ohio Farm Bureau and community collations such as watershed collations.

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
2007	0	0	0	0

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

Patent Applications Submitted

Year	Target
Plan:	0
2007:	0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

	Extension	Research	Total
Plan			
2007	0	24	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

Number of 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
2007	20	24

Output #2

Output Measure

Number of 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
2007	25	28

Output #3

Output Measure

Number of 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
2007	20	28

Output #4

Output Measure

Number of non-commercialized techniques will be tracked as to number of adoptions, and by whom

Year	Target	Actual
2007	1	1

Output #5

Output Measure

Number of consultations regarding research findings with stakeholders/groups requesting the research and in what areas of knowledge desired

Year	Target	Actual
2007	10	14

Output #6

Output Measure

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

Year	Target	Actual
2007	3	7

Output #7

Output Measure

Number of planning meeting participation as to who(non-OARDC) participated and at what level to help take a research project to the next level

Year	Target	Actual
2007	3	3

Output #8

Output Measure

Number of graduate students graduated and professional positions they hold

Year	Target	Actual
2007	3	12

V(G). State Defined Outcomes

O No.	Outcome Name
1	§ In conjunction with companion agencies and organizations, advance research in forest biology and ecology to promote (a) best management practices on private forest land in Ohio with an incremental gain of 5% of lands each year
2	(b) improve the flow of forest raw materials to the extent it meets the needs of Ohio industries within ten years
3	(c) increase the production of oak and reduce maple to eventually achieve a balance equivalent to forest with natural fire regimes
4	(d) meet federal and state needs for research data related to Ohio forest systems as the demand arises
5	(e) and increase the flow of environmental services through conservation actions commensurate with regional demand, i.e. Buffer zones in forest riparian zones, reforestation, CREP, carbon sequestration in forests and grassland biomass
6	§ Advance research knowledge, both basic and applied, in the areas of silviculture and horticulture to existing and emerging industry and consumer demand regarding forest genetics, forest biology, seed production, nutrition, and related topics
7	§ Meet ODNR, USDA, USDI, local, commodity groups, community, and other stakeholder demands for scientific knowledge to inform existing and emerging issues related to human wildlife use/conflicts and human to human conflicts related to wildlife and use
8	§ To contribute to the theoretical knowledge base within this planned program to ensure that where possible all applied research can be grounded in the best science and evaluation available
9	A continued flow of pollution prevention and mitigation research will be generated to support sustainable agriculture systems and healthy ecosystems.
10	Provide urban forest research commensurate with need and demand within Ohio.

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

Environmental factors, but not natural disasters, had the greater impact to limiting time doing field research.

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

1. Evaluation Studies Planned

Before-After (before and after program)

During (during program)

Case Study

Comparisons between different groups of individuals or program participants experiencing different levels of program intensity.

Evaluation Results

{No Data Entered}

Key Items of Evaluation

{No Data Entered}