

Plant Biological Technologies

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V(A). Planned Program (Summary)

1. Name of the Planned Program

Plant Biological Technologies

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
123	Management and Sustainability of Forest Resources	0%		5%	
132	Weather and Climate	0%		5%	
201	Plant Genome, Genetics, and Genetic Mechanisms	0%		25%	
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants	0%		13%	
206	Basic Plant Biology	0%		14%	
211	Insects, Mites, and Other Arthropods Affecting Plants	0%		5%	
212	Pathogens and Nematodes Affecting Plants	0%		33%	
	Total	0%		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	6.0	0.0
Actual	0.0	0.0	7.0	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	602292	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	0	602292	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	0	4868424	0

V(D). Planned Program (Activity)**1. Brief description of the Activity**

- Design and conduct research, including the development of methods and procedures
- Write and submit grant proposals to private, state and federal agencies
- Generate scientific publications - communicating scientific results to a wide range of scientists
- Training of professional scientists - graduate and undergraduate students, technicians and post docs in the scientific discipline
- File patents

2. Brief description of the target audience

Scientists and scientific societies
 Governmental science organizations
 Educational institutions
 Applied researchers and extension specialists
 Students
 Private, federal, state, and industrial funding agencies
 Other stakeholders (producers, consumers, educators, public)

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	75	125	50	0
2008	0	0	0	0

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

Year	Target
Plan:	1
2008:	1

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

	Extension	Research	Total
Plan	0	0	
2008	0	32	32

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

Grant proposals written and submitted

Year	Target	Actual
2008	20	26

Output #2

Output Measure

Peer-reviewed publications including journal articles

Year	Target	Actual
2008	25	20

V(G). State Defined Outcomes

O No.	Outcome Name
1	Graduate students graduated
2	Biosafety.

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

Other (Announcement of NSF Science and Technology Center competition. Realization that NEON program has been implemented. Federal regulatory changes have affected the ability to work on some biosecurity issues.)

Brief Explanation

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

1. Evaluation Studies Planned

During (during program)

Evaluation Results

Research project proposals were evaluated by science peer review panel and one NSF Center project was selected to be forward for further consideration for funding.

Key Items of Evaluation