

Integrated Pest Management

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V(A). Planned Program (Summary)

1. Name of the Planned Program

Integrated Pest Management

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
211	Insects, Mites, and Other Arthropods Affecting Plants	50%	50%	50%	50%
216	Integrated Pest Management Systems	50%	50%	50%	50%
Total		100%	100%	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	2.3	1.0
Actual	0.0	0.0	2.9	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	252298	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	0	240805	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	0	661367	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

With increased global travel and the threat of bioterrorism, the world faces growing concern over arthropod borne diseases. A multifaceted approach involving surveys, systematics, ecology, genetics, and natural enemies of arthropods of medical and veterinary importance is underway and offers the best approach to solving problems related to arthropod borne diseases.

Research is continuing to obtain pest management tools for high value specialty crop growers in South Carolina. Specific initiatives include obtaining the regulatory clearance of crop protection chemicals for high value specialty crops and minor uses on major crops with special emphasis on reduced risk chemicals,

Through ongoing research, the behavior and management of structure infesting black carpenter ants and subterranean termites will be better understood, allowing for improved control programs that target these pest species.

Researchers are examining the effectiveness of transgenic cotton on target insect pests and research methods for managing non-target insects with elevated pest status. This includes research into treatment thresholds, insecticide resistance, and sampling methods.

Researchers are working to discover and develop safe and economical methods to control honey bee pests in an integrated management approach.

Educational programs across the state make new knowledge available to producers and citizens.

2. Brief description of the target audience

Growers, Extension agents, pest managers, nursery owners and home owners.

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	509	408	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	8	8

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

Disclosures

Year	Target	Actual
2007	0	0

Output #2

Output Measure

Licenses

Year	Target	Actual
2007	0	0

Output #3

Output Measure

New Products, processes, procedures or policies

Year	Target	Actual
2007	0	0

Output #4

Output Measure

National media placements

Year	Target	Actual
2007	0	1

Output #5

Output Measure

Publications

Year	Target	Actual
2007	10	8

Output #6

Output Measure

Percent increase of outside funds through grants, contracts and gifts

Year	Target	Actual
2007	15	0

V(G). State Defined Outcomes

O No.	Outcome Name
1	Increased knowledge of the evolution of resistance in pest species
2	Improved strategies for managing ants and other household pests
3	Number of people reporting increased knowledge as a result of participating in IPM programs and workshops.

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

Brief Explanation

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

1. Evaluation Studies Planned

After Only (post program)

Evaluation Results

Key Items of Evaluation