

Agricultural & Food Biosecurity

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V(A). Planned Program (Summary)

1. Name of the Planned Program

Agricultural & Food Biosecurity

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
212	Pathogens and Nematodes Affecting Plants	50%		50%	
311	Animal Diseases	25%		25%	
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins	25%		25%	
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	2.0	0.0	0.0	0.0
Actual	2.6	0.0	3.2	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c 44271	1890 Extension	Hatch 142386	Evans-Allen
	0		0
1862 Matching 44271	1890 Matching	1862 Matching	1890 Matching
	0	143554	0
1862 All Other 289485	1890 All Other	1862 All Other	1890 All Other
	0	1427407	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

- Individual consultations
- Workshops
- Farm visits
- Field Days
- Sentinel Plots
- Spore Traps
- Interviews
- Source water contamination training
- Disease detection and prevention training
- Food Safety Training
- Diagnosis training
- Diagnostic Visits
- Plant & Animal Diagnostic Testing
- Disaster relief training
- Emergency preparedness training
- Grain Handling & Storage Industry security training
- Production of education materials
- Mass Media (print, radio, TV)
- Newsletters & Direct Mailing
- Scientific symposia & technical conferences for industry personnel to determine flock or herd health status
- Collaborative planning meetings with state/federal agencies and regulatory officials

2. Brief description of the target audience

- Soybean producers
- Crop consultants
- Dealer personnel
- Pesticide applicators
- Livestock Company Personnel
- Poultry Company Personnel
- Poultry Growers
- Elected Officials
- First Responders
- Grain Handling & Storage Industry
- State Agency Personnel
- State/Federal Regulatory Personnel
- Agribusiness
- Division of Agriculture personnel
- National Agency Personnel (APHIS, SPDN, NPDN, NAPIS, SRIPMC)

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	4000	9000	0	0
2007	13352	22768	121	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	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

Number clientele trained on biosecurity

Year	Target	Actual
2007	800	13473

Output #2

Output Measure

Number of educational materials developed on biosecurity

Year	Target	Actual
2007	10	10

Output #3

Output Measure

Number newsletters & fact sheets disseminated to clientele regarding biosecurity

Year	Target	Actual
2007	3600	11800

Output #4

Output Measure

Number of producers interviewed/surveyed

Year	Target	Actual
2007	100	151

Output #5

Output Measure

Number of soybean sentinel plots

Year	Target	Actual
2007	20	43

Output #6

Output Measure

Number of spore trap slides

Year	Target	Actual
2007	11	220

Output #7

Output Measure

Number of Hits to CES Website regarding avian biosecurity

Year	Target	Actual
2007	500	4407

Output #8

Output Measure

Number of Hits to CES Website regarding livestock biosecurity

Year	Target	Actual
2007	250	14247

Output #9

Output Measure

Number of Soybean monitoring sites visits

Year	Target	Actual
2007	1000	455

Output #10

Output Measure

Number of Kudzu monitoring sites visits

Year	Target	Actual
2007	80	215

Output #11

Output Measure

Number of requested consultations related to exotic animal disease concerns (Livestock & Poultry)

Year	Target	Actual
2007	130	704

V(G). State Defined Outcomes

O No.	Outcome Name
1	Number of growers/producers reporting increased awareness of need for biosecurity
2	Number of growers/producers reporting knowledge gained related to biosecurity practices
3	Number of growers/producers reporting intent to adopt new biosecurity practices for animal production facilities
4	Number of growers/producers adopting new practices outlined in educational programs to improve biosecurity through proper methods of sanitation; disease prevention, recognition, and control
5	Number of Diagnostic invasive plant disease samples
6	Number of Diagnostic invasive nematode samples
7	Number of avian grower referrals to diagnostic labs for exotic animal disease testing
8	Number of Section 18 Fungicides approved
9	Number Asian Soybean Rust Positive samples
10	Number of SOD Positive samples
11	Number of Bakanae Positive samples
12	Number of Pathogens/nematodes (other) Positive samples
13	Number of reported Avian LT disease outbreaks
14	Number of reported Avian MG disease outbreaks
15	Number of reported Avian MS disease outbreaks

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
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)
- Other (Animal Disease Outbreak, Human E)

Brief Explanation

The drought from July 15, 2007 to September 1, 2007 minimized the soybean rust sample outcomes. High input costs could have caused a compromise of biosecurity practices. Reduced confidence regarding the economy may have impacted consumer food biosecurity concerns. Lead contamination of toys dominated the headlines. We had limited effectiveness because of static or non-increasing resources. In addition the growing number of backyard hobby flocks due to cultural changes has increased the possibility of an avian disease outbreak.

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

1. Evaluation Studies Planned

- After Only (post program)
- During (during program)
- Other (Use of Secondary Data)

Evaluation Results

Evaluations indicated clientele demonstrated an interest in understanding the need for agricultural & food biosecurity. Clientele understood the importance of prevention, diagnostic testing, monitoring and increased awareness.

Key Items of Evaluation

Important keys included support for monitoring, prevention education and diagnostic testing.