

Plants & Plant Products

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V(A). Planned Program (Summary)

1. Name of the Planned Program

Plants & Plant Products

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
101	Appraisal of Soil Resources	10%		10%	
102	Soil, Plant, Water, Nutrient Relationships	10%		10%	
111	Conservation and Efficient Use of Water	10%		10%	
112	Watershed Protection and Management	10%		10%	
201	Plant Genome, Genetics, and Genetic Mechanisms	10%		10%	
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants	10%		10%	
204	Plant Product Quality and Utility (Preharvest)	10%		10%	
205	Plant Management Systems	10%		10%	
206	Basic Plant Biology	10%		10%	
213	Weeds Affecting Plants	10%		10%	
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	69.0	0.0	25.0	0.0
Actual	69.6	0.0	35.5	0.0

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

Extension		Research	
Smith-Lever 3b & 3c 929701	1890 Extension	Hatch 1810321	Evans-Allen
	0		0
1862 Matching 929701	1890 Matching	1862 Matching	1890 Matching
	0	1825164	0
1862 All Other 6079182	1890 All Other	1862 All Other	1890 All Other
	0	16958556	0

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

Developed and conducted workshops, educational meetings, demonstrations, and field days
 Directed clientele contact: on- site visits, phone calls, mail and emails
 Developed and produced educational products and materials
 Conducted tours and demonstrations
 Conducted discovery and applied research
 Published educational materials
 Provided diagnostic services
 Completed media work through print, radio, TV and internet
 Partnered with commodity associations, groups, Master Gardeners, and traditional and nontraditional groups
 Coordinated Master Gardener programs
 Developed improved crop production systems that maximize profitability and sustainability

2. Brief description of the target audience

Growers/producers
 Consultants
 Agri Business/Allied Industries
 Horticulture production and Service Businesses
 Master Gardeners
 General Public
 Other researchers
 Students
 Extension Specialists
 Teaching faculty
 Research funding personnel and agencies
 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	190274	419318	0	0
2007	127311	187464	1812	523

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

Year **Target**

Plan: 10

2007: 3

Patents listed

Plant Patent 17,911 'White Rock Peach'

Plant Patent 17,742 'White County Peach'

Patent 60/841,353 Cotton Plant with reniform nematode resistance

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

	Extension	Research	Total
Plan			
2007	2	86	88

V(F). State Defined Outputs**Output Target****Output #1****Output Measure**

Number of agronomic Production Education Meetings (multi-topic)

Year	Target	Actual
2007	234	40

Output #2**Output Measure**

Number of Production Education Meetings that address fertilizer, soil & water management

Year	Target	Actual
2007	27	250

Output #3**Output Measure**

Number of Production Education Meetings that address variety selection

Year	Target	Actual
2007	12	203

Output #4**Output Measure**

Number of Production Education Meetings that address plant monitoring and nutrition

Year	Target	Actual
2007	19	173

Output #5**Output Measure**

Number of Production Education Meetings that address soil and water testing

Year	Target	Actual
2007	9	160

Output #6**Output Measure**

Number of Production Education Meetings that address variety Selection consultations

Year	Target	Actual
2007	37	145

Output #7**Output Measure**

Number of demonstrations/on-farm research

Year	Target	Actual
2007	188	900

Output #8**Output Measure**

Number of farm visits

Year	Target	Actual
2007	364	18350

Output #9**Output Measure**

Number of field days

Year	Target	Actual
2007	51	90

Output #10**Output Measure**

Number of informal surveys of participants to measure cultural practice

Year	Target	Actual
2007	18	645

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Output #11

Output Measure

Number of educational meetings, demonstrations, field days, site visits and other group events held to educate commercial and consumer clientele in horticulture

Year	Target	Actual
2007	505	4670

Output #12

Output Measure

Number of educational meetings, demonstrations, farm visits and/or field days held to educate clientele on forage production and grazing management

Year	Target	Actual
2007	2434	2489

Output #13

Output Measure

Number of hits to plant and plant products web-based educational materials

Year	Target	Actual
2007	6000	8025

Output #14

Output Measure

Number of Arkansas Commodity Board Grants received

Year	Target	Actual
2007	50	90

Output #15

Output Measure

Number Federal grants and contracts

Year	Target	Actual
2007	25	11

V(G). State Defined Outcomes

O No.	Outcome Name
1	Number Refereed Journal Publications
2	Number of commercial forage producers who gained awareness related to management technology
3	Number of commercial forage producers who gained knowledge related to production practices
4	Number of new Master Gardeners trained and certified
5	Number of participants who changed or adopted a new commercial forage management practice
6	Number of participants who changed or adopted a new forage and/or grazing management practice
7	Number of clientele who select improved varieties
8	Number of clientele using soil testing
9	Number of clientele using plant testing
10	Number of clientele using water testing
11	Number of impacted acres using soil testing
12	Number of impacted acres using plant testing
13	Number of impacted acres using water testing
14	Forage testing submissions
15	Number of producers using strip-grazing for their stockpiled forages
16	Number of clientele (non-duplicated) who use the DD50 program for improved production efficiency
17	Number of impacted acres using DD50 program for improved production efficiency
18	Number of clientele using the RICESEED program
19	Number of acres planted based on output from RICESEED program
20	Number of Master Gardeners who recertified
21	Business Start Ups
22	Number of new horticultural businesses and new farmers markets
23	Acres of harvested wheat (all)
24	Yield (bushels) of harvested wheat (all)
25	Price (bushel) of harvested wheat (all)
26	Value of Production of harvested wheat (all)
27	Acres of harvested soybeans (all)
28	Yield (bushels) of harvested soybeans
29	Price (per bushel) of harvested soybeans
30	Value of Production of harvested soybeans (all)
31	Acres of harvested rice (all)
32	Yield (pounds) of harvested rice (all)
33	Price (dols/cwt) of harvested rice (all)
34	Acres of harvested cotton (all)
35	Yield (pounds) of harvested cotton (all)
36	Total production (bales) of harvested cotton (all)
37	Acres of harvested hay (all)
38	Yield (tons) of harvested hay (all)
39	Price (per ton) of harvested hay (all)
40	Value of Production of harvested hay (all)

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

Program outcomes will be influenced by changes in the current Farm Bill affecting payments to farmers, land grant university funding from CSREES, increasing fuel costs, downturns in the economy and extreme weather conditions.Any or all of these factors will cause anticipated projected outcomes to vary widely.

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

1. Evaluation Studies Planned

After Only (post program)

Retrospective (post program)

Before-After (before and after program)

During (during program)

Case Study

Comparisons between program participants (individuals,group,organizations) and non-participants

Other (AR data from NASS)

Evaluation Results

Comprehensive program and departmental evaluation reviews for research, extension and teaching programs are conducted on a five to seven year cycle by various research based evaluation methods. Data on shifts in production methods, acreage, cropping systems, and enrollment will be compared to historic levels and trends.

Key Items of Evaluation

Data will be collected from producers, industry representatives, and other individuals involved with agriculture through on-site informal surveys and questionnaires at production meetings, field days, and on-site visits. Mail and telephone surveys, will also be utilized along with observations made by Extension faculty. Indirect methods of collecting data will include web page visits on Extension website pages and practice change data taken from the National Agriculture Statistics Service.