

Missouri Crop Management Systems

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V(A). Planned Program (Summary)

1. Name of the Planned Program

Missouri Crop Management Systems

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
102	Soil, Plant, Water, Nutrient Relationships	20%			
104	Protect Soil from Harmful Effects of Natural Elements	10%			
205	Plant Management Systems	55%			
405	Drainage and Irrigation Systems and Facilities	10%			
512	Quality Maintenance in Storing and Marketing Non-Food Products	5%			
Total		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	20.0	0.0	0.0	0.0
Actual	16.6	0.0	0.0	0.0

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

Extension		Research	
Smith-Lever 3b & 3c 748117	1890 Extension	Hatch	Evans-Allen
	0	0	0
1862 Matching 313439	1890 Matching	1862 Matching	1890 Matching
	0	0	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

Campus-based and region-based faculty members will conduct several regional workshops and short courses in partnership with commodity groups and private industry. Venues include commodity district meetings, soil and crop conferences, Ag Science Week, regional short courses, field days, and demonstration projects. University of Missouri variety performance evaluations will be conducted in more than 40 locations.

2. Brief description of the target audience

The primary target audiences are crop producers and their advisers. Programs will be developed for crop producers with a diversity of farm sizes, crops produced and land resource bases. Crop advisers and service providers are important targets because of their extensive contact with crop and livestock producers, which makes them ideal intermediates in passing on University of Missouri Extension programming to a wider range of producers than could be reached by Extension personnel alone. Because the future of Missouri agriculture depends on young professionals replacing retiring farmers and personnel, youth organizations such as FFA, 4-H, Young Farmers, and their teachers will receive specially designed programs.

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	8000	10000	0	0
2007	7980	14422	363	938

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

Provide four in-service training sessions for regional Extension specialists on an annual basis.

Year	Target	Actual
2007	4	3

Output #2

Output Measure

Develop or revise 15 guide sheets annually for regional Extension specialists to use in producer meetings.

Year	Target	Actual
2007	15	18

Output #3

Output Measure

Develop or revise five manuals on an annual basis for regional Extension specialists to use in producer meetings.

Year	Target	Actual
2007	5	2

Output #4

Output Measure

Two print and electronic newsletters devoted to pest and crop management will be developed and distributed to regional specialists and other clientele.

Year	Target	Actual
2007	24	24

V(G). State Defined Outcomes

O No.	Outcome Name
1	Crop producers will learn sources of information about cultivars and how to interpret them.
2	Crop producers will learn crop rotations and their effects.
3	Crop producers will learn costs and benefits of available soil conservation practices.
4	Crop producers will learn economic impact of improved planting procedures.
5	Crop producers will learn proper irrigation management.
6	Crop producers will learn how management choices in one area affect appropriate choices in other areas.
7	Corn, soybean, wheat, sorghum, and cotton acreage under conservation tillage will increase. (Source: Conservation Technology Information Service)
8	The percentage of soybean acreage planted in a properly developed crop rotation will increase. (Source: USDA/ERS)
9	Seeding rates, average row width, and planting dates will be monitored. (Source: Missouri Agricultural Statistics Service and USDA/ERS)
10	Average yields and production efficiencies will increase. (Source: Missouri Agricultural Statistics Service and USDA/ERS)

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 Programmatic Challenges

Brief Explanation

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

1. Evaluation Studies Planned

Before-After (before and after program)

During (during program)

Time series (multiple points before and after program)

Case Study

Evaluation Results

Key Items of Evaluation