V(A). Planned Program (Summary)

Program # 11

1. Name of the Planned Program

Forestry

☑ Reporting on this Program

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
122	Management and Control of Forest and Range Fires	20%		0%	
123	Management and Sustainability of Forest Resources	45%		2%	
124	Urban Forestry	10%		0%	
125	Agroforestry	15%		0%	
133	Pollution Prevention and Mitigation	10%		0%	
201	Plant Genome, Genetics, and Genetic Mechanisms	0%		10%	
211	Insects, Mites, and Other Arthropods Affecting Plants	0%		86%	
901	Program and Project Design, and Statistics	0%		2%	
	Total	100%		100%	

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2012	Extension		Research	
	1862	1890	1862	1890
Plan	13.0	0.0	0.5	0.0
Actual Paid Professional	13.9	0.0	0.8	0.0
Actual Volunteer	0.0	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	**1890 Extension**	**Hatch**	**Evans-Allen**
373933	0	68848	0
1862 Matching	**1890 Matching**	**1862 Matching**	**1890 Matching**
373933	0	17417	0
1862 All Other	**1890 All Other**	**1862 All Other**	**1890 All Other**
0	0	177402	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

Research will be conducted in forest production and management, timber harvesting, forest recovery, and environmental impacts of forest practices. Extension programming will be conducted to share this information with forest landowners and industry personnel.

2. Brief description of the target audience

The audience for these programs includes forest landowners, loggers, professional foresters, industry personnel, and the general public.

3. How was eXtension used?

The resources provided through eXtension were used to supplement and enhance our public learning experiences provided by MSU Extension agents and specialists. eXtension was also used as a resource in state-based planning processes. Overall, 212 MSU employees are eXtension users, with 15 new registrations during this reporting period. Further, MSU Extension has 64 employees that serve on one or more of the 72 Communities of Practice (COPs); MSU Extension employees are member of 33 COPs. Twelve MSU Extension employees serve as a leader for a COP, leading 9 COPs. MSU Extension personnel are members of the Wood Products COP, the Prescribed Fire COP, and the Climate, Forests, and Woodlands COP.

V(E). Planned Program (Outputs)

1. Standard output measures

2012	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	56536	47033	0	0

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

Patent Applications Submitted

Year:	2012
Actual:	1

Patents listed
Provisional Patent: Compositions for control of subterranean Termites, 61/646,005

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2012	Extension	Research	Total
Actual	4	53	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Number of producers and industry attending seminars, workshops, short courses, and demonstrations.

Year	Actual
2012	17262

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Number of timber producers adopting new technologies and practices.
2	Number of forest producers increasing profitability of their forest operations.
3	Number of producers improving their environmental stewardship.

Outcome #1

1. Outcome Measures

Number of timber producers adopting new technologies and practices.

2. Associated Institution Types

- 1862 Extension
- 1862 Research

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	3452

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)
Forests comprise approximately 19.8 million acres, or nearly 70% of the state's land base. As such, forests and forestry play a significant role in the Mississippi economy, contributing an economic impact to the state of 36,160 jobs (2.4% of the state total) and over $10 billion in annual economic impacts.

What has been done
In 2012, MSU Extension Forestry conducted 21 county forest landowner short courses, 40 workshops, and 52 youth programs, among others, with 21,000 participants.

Results
Reported acres impacted by Extension Forestry programming in 2012 [MSU Forestry Extension Annual Report 2012] 303,118 (Short Courses) + 461,636 (Workshops) = 764,754 acres.

4. Associated Knowledge Areas

KA Code	Knowledge Area
122	Management and Control of Forest and Range Fires
123	Management and Sustainability of Forest Resources
124	Urban Forestry
125	Agroforestry
133	Pollution Prevention and Mitigation

Outcome #2

1. Outcome Measures

Number of forest producers increasing profitability of their forest operations.

2. Associated Institution Types

- 1862 Extension
- 1862 Research

3a. Outcome Type:

Change in Condition Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	2762

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)
Forestry is an important income source and heritage to more than 300,000 private forest landowners throughout the state. Improved management through educational programs will increase the economic input from these lands.

What has been done
In 2012, MSU Extension Forestry conducted 428 educational programs with 21,000 participants.

Results
Economic Impact of MS forest land benefiting from 2012 MSU Extension Service Forestry Programming:
Employment = 2447
Wages/salaries = $101,505,258
Output = $400,935,030
Value Added = $152,409,292

4. Associated Knowledge Areas

KA Code	Knowledge Area
123	Management and Sustainability of Forest Resources
125	Agroforestry

Outcome #3

1. Outcome Measures

Number of producers improving their environmental stewardship.

2. Associated Institution Types

- 1862 Extension
- 1862 Research

3a. Outcome Type:

Change in Condition Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	1381

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)
Forest landowners need educational programs in order to better manage their land.

What has been done
In 2012, MSU Extension Forestry conducted 21 county forest landowner short courses, 40 workshops, and 52 youth programs, among others, with 21,000 participants.

Results
Programs impacted the management on over 750,000 acres of Mississippi forestland. Participants valued the information they received from Extension Forestry programs at over $4 million.

4. Associated Knowledge Areas

KA Code	Knowledge Area
122	Management and Control of Forest and Range Fires
133	Pollution Prevention and Mitigation

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Natural Disasters (drought, weather extremes, etc.)
- Appropriations changes
- Government Regulations
- Competing Programmatic Challenges

Brief Explanation

{No Data Entered}

V(I). Planned Program (Evaluation Studies)

Evaluation Results

MSU Extension agents and specialists, as well as MAFES faculty, used a variety of recommended methods to gather needed information. Specific strategies will be initiated and utilized for collecting evaluation information to determine program outputs and outcomes (see impact statements for examples).

In FY 2012, MSU Extension agents and specialists were required to submit four quarterly reports (January, April, July, and September). This quarterly report collects information about the number of contacts, types of contacts, and number of programs conducted in each Priority Planning Area. In addition, two narrative Accomplishment Reports are required from each MSU Extension employee each year. Finally, a specific request for impact statements is also made. The evaluation results are a combination of this quantitative and qualitative data.

MAFES scientists operate research programs under an approved Hatch or Hatch-Multistate CRIS project plan of work. Outputs, outcomes, target audiences, and impacts are reported annually through the CRIS (REEport) system. Annual and project termination reports are developed by scientists and reviewed by Department Heads and the Director's office before submission to USDA-NIFA through REEport.

Key Items of Evaluation