

**V(A). Planned Program (Summary)**

**Program # 9**

**1. Name of the Planned Program**

Forestry and Forest 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
102	Soil, Plant, Water, Nutrient Relationships	5%		10%	
112	Watershed Protection and Management	5%		5%	
123	Management and Sustainability of Forest Resources	65%		35%	
135	Aquatic and Terrestrial Wildlife	15%		20%	
403	Waste Disposal, Recycling, and Reuse	5%		10%	
511	New and Improved Non-Food Products and Processes	0%		20%	
604	Marketing and Distribution Practices	5%		0%	
	<b>Total</b>	100%		100%	

**V(C). Planned Program (Inputs)**

1. Actual amount of professional FTE/SYs expended this Program

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Plan	5.4	0.0	9.0	0.0
Actual	5.4	0.0	14.5	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
102220	0	678708	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
102220	0	678708	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
461574	0	4977900	0

**V(D). Planned Program (Activity)**

**1. Brief description of the Activity**

Activity included extension and research efforts such as workshops, result demonstrations, individual consultations, and studies.

**2. Brief description of the target audience**

Forest landowners, forest managers, arborists and loggers.

**V(E). Planned Program (Outputs)**

**1. Standard output measures**

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Plan</b>	25000	20000	100000	0
<b>Actual</b>	15046	42244	15871	0

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

**Patent Applications Submitted**

Year: 2010  
 Plan: 1  
 Actual: 0

**Patents listed**

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2010	Extension	Research	Total
<b>Plan</b>	35	20	
<b>Actual</b>	2	35	37

**V(F). State Defined Outputs**

**Output Target**

**Output #1**

**Output Measure**

- Clientele reached  
 Not reporting on this Output for this Annual Report

**Output #2**

**Output Measure**

- Number of Web page views

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2010	{No Data Entered}	246251

**Output #3**

**Output Measure**

- Number of Web page visits

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2010	{No Data Entered}	212107

**V(G). State Defined Outcomes**

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Percentage of clientele adopting recommended practices

## **Outcome #1**

### **1. Outcome Measures**

Percentage of clientele adopting recommended practices

### **2. Associated Institution Types**

- 1862 Extension
- 1862 Research

### **3a. Outcome Type:**

Change in Action Outcome Measure

### **3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	65	75

### **3c. Qualitative Outcome or Impact Statement**

#### **Issue (Who cares and Why)**

Forest management effects on hydrology, water, and soil quality, restoration of degraded coastal forests, long-term forest productivity & suppression of invasive plants & wildlife remain concerns of Louisiana's \$3 billion forest products industry. Mills have closed from depressed housing markets. Improvements in volume & efficiency of forest products manufacturing, recycling, marketing and worker safety are needed. Emerging biofuel markets may impact forest management regimes.

#### **What has been done**

Extension programs focused on feral hog management; estate planning; tax issues; emerging biofuel markets; herbicide use; logging and burning safety; and sustainability. Research focused on wetland forests hydrology changes; carbon storage and nutrient cycling; creating new wood products from decommissioned preservative-treated wood; development of short-rotation forest plantations and agroforests for biofuel production; and worksite safety among loggers and arborists.

#### **Results**

Seventy-five per cent of participants in extension forestry workshops adopted recommended practices resulting in a net value of \$3,587 per person. Average workshop attendance was 114. Data on harvesting effects on water quality led to closer monitoring of sediment runoff. Louisiana's coastal forests benefitted from improved regeneration strategies. Forest management statewide benefitted from data on management effects on soil and water quality, long-term tree growth, invasive species control, and reestablishment of indigenous vegetation. Adoption of log scanning technology developed to improve conversion efficiency is being explored by sawmills. A US patent is pending for new methods to remove heavy metals in decommissioned preservative-treated wood. New composite products were developed, with one resulting patent and

commercialization. Wood energy research identified preliminary opportunities for Louisiana forest landowners. Herbicide labeling was updated to reduce eucalyptus plantation establishment costs by 40%.

#### 4. Associated Knowledge Areas

<b>KA Code</b>	<b>Knowledge Area</b>
102	Soil, Plant, Water, Nutrient Relationships
112	Watershed Protection and Management
123	Management and Sustainability of Forest Resources
135	Aquatic and Terrestrial Wildlife
511	New and Improved Non-Food Products and Processes
604	Marketing and Distribution Practices

#### V(H). Planned Program (External Factors)

##### External factors which affected outcomes

- Natural Disasters (drought, weather extremes, etc.)
- Economy
- Appropriations changes
- Government Regulations
- Competing Public priorities
- Populations changes (immigration, new cultural groupings, etc.)

##### Brief Explanation

The Gulf oil spill and the state's plummeting economy significantly influenced the LSU AgCenter's program direction during FY2010. Competition for limited resources and competing public priorities resulted in a shifting of programmatic efforts to address the most pressing needs of Louisiana residents.

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

#### Evaluation Results

#### Key Items of Evaluation