

# Management of Rangeland and Forestry Resources

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

### 1. Name of the Planned Program

Management of Rangeland and Forestry Resources

## V(B). Program Knowledge Area(s)

### 1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
121	Management of Range Resources	40%			
122	Management and Control of Forest and Range Fires	5%			
123	Management and Sustainability of Forest Resources	20%			
124	Urban Forestry	30%			
133	Pollution Prevention and Mitigation	5%			
	<b>Total</b>	100%			

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

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

Year: 2007	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	6.0	0.0	0.0	0.0
<b>Actual</b>	5.2	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 165212	1890 Extension	Hatch	Evans-Allen
	0	0	0
1862 Matching 82606	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**

- Conducted workshops and meetings. •
- We joined efforts with government agencies (DNRA, USDA-NRCS and others) through educational activities to implement the AES educational program for farmers. •
- AES specialists in urban forest, plant and pest protection joined efforts to promote urban forestry through workshops, trainings and radio programs. •
- Eighteen conference/training activities related to range management were offered. •
- 214 conference/training activities related to urban forestry were offered. •
- Several radio programs were broadcasted by extension agents. •
- Developed a forest fire curriculum for school students. •
- A web site for forest prevention issues was developed: <http://academic.uprm.edu/gonzalezc/> •
- Conducted an educational campaign on the prevention of forest fires.

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

County agents, home economists, government personnel, community residents, youth 13-18 years old, farmers, and homeowners.

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

**1. Standard output measures**

**Target for the number of persons (contacts) reached through direct and indirect contact methods**

	<b>Direct Contacts Adults</b>	<b>Indirect Contacts Adults</b>	<b>Direct Contacts Youth</b>	<b>Indirect Contacts Youth</b>
<b>Year</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>
<b>Plan</b>	2000	3000	0	0
2007	2441	615	0	0

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

**Patent Applications Submitted**

<b>Year</b>	<b>Target</b>
<b>Plan:</b>	0
2007:	0

**Patents listed**

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

**Number of Peer Reviewed Publications**

	<b>Extension</b>	<b>Research</b>	<b>Total</b>
<b>Plan</b>			
2007	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

Number of farmers trained in range management.

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	300	428

**Output #2**

**Output Measure**

Number of people that participated in workshops, conferences or meetings on urban forestry.

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	300	984

**Output #3**

**Output Measure**

Number of persons trained on forest and rangeland fire prevention.

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	75	72

**Output #4**

**Output Measure**

Number of persons trained on pollution prevention and mitigation of natural resources.

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	200	814

**Output #5**

**Output Measure**

Number of agency collaborations established.

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	5	66

**Output #6**

**Output Measure**

Number of people trained on natural resources and forest conservation.

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	300	813

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

<b>O No.</b>	<b>Outcome Name</b>
1	Number of farmers that improved their pastures.
2	Number of persons that adopted one or more practices on natural resources and forest conservation.
3	Number of reforestation projects established.
4	Numbers of persons that adopted one or more practices on fire prevention in forests and rangelands.
5	Number of farmers that adopted the recommended range management practices.
6	Number of acres in improved pastures.
7	Number of persons that adopted practices for pollution prevention and mitigation of natural resources

**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

Other (Availability economic incentives)

**Brief Explanation**

Puerto Rico is affected by an economic recession that increases all farm costs. Farmers are changing their priorities to lower costs and minimize the economic impact.

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

**1. Evaluation Studies Planned**

After Only (post program)

Before-After (before and after program)

**Evaluation Results**

**Key Items of Evaluation**