

# Sustainable Animal Production Systems

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

### 1. Name of the Planned Program

Sustainable Animal Production 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
301	Reproductive Performance of Animals	20%	20%	20%	20%
302	Nutrient Utilization in Animals	20%	20%	20%	20%
303	Genetic Improvement of Animals	15%	15%	15%	15%
307	Animal Management Systems	20%	20%	20%	20%
308	Improved Animal Products (Before Harvest)	15%	15%	15%	15%
315	Animal Welfare/Well-Being and Protection	10%	10%	10%	10%
	<b>Total</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

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

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

Year: 2008	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	9.0	5.5	4.5	0.0
<b>Actual</b>	16.6	2.5	4.4	0.0

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

Extension		Research	
Smith-Lever 3b & 3c 656946	1890 Extension 152979	Hatch 934852	Evans-Allen 0
<b>1862 Matching</b> 656946	<b>1890 Matching</b> 152979	<b>1862 Matching</b> 1137976	<b>1890 Matching</b> 0
<b>1862 All Other</b> 0	<b>1890 All Other</b> 0	<b>1862 All Other</b> 0	<b>1890 All Other</b> 0

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

Forage-fed beef research as well as approaches to sustainable small ruminant production is part of an expanding animal focus. There is a wide range of work underway in the area of livestock improvement and work continues on exploring the genetic bases for resistance and immunity to avian diseases as well as on improving the nutritional and market value of milk.

Two veterinarians were hired and will begin work this fall. *Cattleman s Field Days* were conducted reaching approximately 70 people. This program will be delivered at all CU bull tests in the future with the program topics determined by committee to address producer needs.

A *Grass Masters* workshop was conducted. This multi-topic day-long fee-based workshop delivered information to producers on establishment and management of forage crops.

Multiple dairy programs have been developed by the state extension dairy specialist. Topics covered have ranged from lameness to nutrition and have been well received.

*Equine management workshops* remain a strong program with multiple sites being served in all areas of the state. These multi-night fee-based meetings cover diverse topics ranging from forage and waste management to reproduction and facilities construction. Local veterinarians are often included on the program to assist in linking producers, industry and Extension.

The *Southeast Beef Cattle Marketing School* was held in Gaffney and Marion with approx. 55 attendees. Participants learned marketing practices to improve profitability and management practices to improve calf value. The *2008 Jr. Beef Roundup* (>200 participants) gave youth across the region opportunities to develop leadership, responsibility, and livestock management.

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

Producers, Limited-Resource Farmers and Extension personnel, agency personnel

**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>	25225	4300	120	120
2008	23420	979766	0	0

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

**Year**    **Target**

**Plan:**    1

2008:    1

**Patents listed**

Treated Feed Supplement Capsule for Ruminants

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

	<b>Extension</b>	<b>Research</b>	<b>Total</b>
<b>Plan</b>	0	6	
2008	3	6	0

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

Disclosures

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	2	1

**Output #2****Output Measure**

Licenses

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	1	1

**Output #3****Output Measure**

New products, processes, procedures and policies

*Not reporting on this Output in this Annual Report***Output #4****Output Measure**

National Media Placements

*Not reporting on this Output in this Annual Report***Output #5****Output Measure**

Increase of outside funds through grants, contracts and gifts

*Not reporting on this Output in this Annual Report***Output #6****Output Measure**

Number of educational workshops conducted

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	365	440

**Output #7****Output Measure**

Number of people completing educational workshops

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	6400	18752

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

<b>O No.</b>	<b>Outcome Name</b>
1	Number of publications authored or co-authored (fact sheets, papers presented at Extension meetings, etc.)
2	Increased percentage of forage fed beef production in the state and the region.
3	Number of people reporting increased knowledge
4	Number of people using grazing management practices
5	Number of persons who adopted practices

**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

**Brief Explanation**

There has been an increased cost of cattle feeds. Drought has affected cost of production.

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

**1. Evaluation Studies Planned**

Before-After (before and after program)

Case Study

**Evaluation Results**

Evaluation results noted an increased cost of cattle feeds.

**Key Items of Evaluation**