

# Ag: Livestock Based Production Systems

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

### 1. Name of the Planned Program

Ag: Livestock Based 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
102	Soil, Plant, Water, Nutrient Relationships	10%			
112	Watershed Protection and Management	10%			
121	Management of Range Resources	20%			
205	Plant Management Systems	5%			
303	Genetic Improvement of Animals	5%			
307	Animal Management Systems	20%			
308	Improved Animal Products (Before Harvest)	5%			
311	Animal Diseases	10%			
315	Animal Welfare/Well-Being and Protection	5%			
501	New and Improved Food Processing Technologies	10%			
	<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>	23.5	0.0	6.0	0.0
<b>Actual</b>	24.0	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 373248	1890 Extension	Hatch	Evans-Allen
	0	0	0
1862 Matching 373248	1890 Matching	1862 Matching	1890 Matching
	0	0	0
1862 All Other 1327104	1890 All Other	1862 All Other	1890 All Other
	0	0	0

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

**1. Brief description of the Activity**

A combination of activities (methods listed below) that are designed to meet the needs and opportunities of the communities of interest will build upon the research base of the university. 1) Extension faculty taught producers to feed their animals more scientifically by using ration formulation software and other resources such as the revised "Winter Feeding Workbook." 2) Experiments were conducted to determine whether early nitrogen (N) applications to pastures would stimulate early season forage growth without loss of N to the environment. Presentations on findings were made to producers. Extension publications and trade magazine articles were published on the early N application work.

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

1. Ranchers, dairy producers and animal product processors, 2. Agricultural infrastructure, suppliers and service providers, 3. State and federal agencies; regulatory and incentive based programs

**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>	76000	100000	1000	1000
2007	221608	52000	2337	440

**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	55	0	0

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

**Output Target**

**Output #1**

**Output Measure**

Number of Education Classes Planned

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	282	226

**Output #2**

**Output Measure**

Number of Workshops Planned

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	282	280

**Output #3**

**Output Measure**

Number of Group Discussions Planned

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	141	150

**Output #4**

**Output Measure**

Number of One-On-One Interventions Planned

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	1176	1075

**Output #5**

**Output Measure**

Number of Demonstrations Planned

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	71	75

**Output #6**

**Output Measure**

Web Sites Maintained

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	3	4

**Output #7**

**Output Measure**

Newspaper Articles Planned

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	94	96

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

<b>O No.</b>	<b>Outcome Name</b>
1	Increased market value (Million \$) created by application of new processes and animal products.
2	Economic Value of Assistance From OSU Extension Service Professionals As Reported By Producers (Million \$).

**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 Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)
- Other (skyrocketing energy costs)

**Brief Explanation**

In the fall of 2007 OSU Extension's new on-line planning and reporting system (SOARS) was fully implemented. While this is a positive step forward, there are still some inconsistencies between SOARS and the AREERA State Plan of Work Information System. In the next year, an extra effort will be made to bring these two systems into closer alignment for improved quality in the planning and reporting process.

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

**1. Evaluation Studies Planned**

- Before-After (before and after program)
- Case Study
- Comparisons between program participants (individuals, group, organizations) and non-participants

**Evaluation Results**

1. Improved economic efficiency by optimizing beef cattle winter feeding.
- 2.OSU Extension improves the economic value of Oregon producers.

**Key Items of Evaluation**