

Animal Production Systems

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V(A). Planned Program (Summary)

1. Name of the Planned Program

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 | 8% | | 10% | |
| 302 | Nutrient Utilization in Animals | 7% | | 10% | |
| 303 | Genetic Improvement of Animals | 0% | | 20% | |
| 307 | Animal Management Systems | 32% | | 30% | |
| 311 | Animal Diseases | 0% | | 10% | |
| 315 | Animal Welfare/Well-Being and Protection | 20% | | 10% | |
| 601 | Economics of Agricultural Production and Farm Management | 33% | | 10% | |
| | Total | 100% | | 100% | |

V(C). Planned Program (Inputs)

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

| Year: 2007 | Extension | | Research | |
|---------------|-----------|------|----------|------|
| | 1862 | 1890 | 1862 | 1890 |
| Plan | 15.0 | 0.0 | 9.5 | 0.0 |
| Actual | 16.0 | 0.0 | 4.7 | 0.0 |

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

| Extension | | Research | |
|-------------------------------|----------------|-----------------|----------------|
| Smith-Lever 3b & 3c 129099 | 1890 Extension | Hatch 221174 | Evans-Allen |
| | 0 | | 0 |
| 1862 Matching 129099 | 1890 Matching | 1862 Matching | 1890 Matching |
| | 0 | 221174 | 0 |
| 1862 All Other 518836 | 1890 All Other | 1862 All Other | 1890 All Other |
| | 0 | 1053024 | 0 |

V(D). Planned Program (Activity)

1. Brief description of the Activity

•Workshops and educational classes for producers •Demonstration plots and field days to showcase the results
 •Individual counseling on producers specific problems •Conduct basic and applied resesarch on livestock, primarily beef, dairy, sheep, and horses

2. Brief description of the target audience

Individual agricultural producers, commodity groups, agri-business partners

V(E). Planned Program (Outputs)

1. Standard output measures

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

| | Direct Contacts Adults | Indirect Contacts Adults | Direct Contacts Youth | Indirect Contacts Youth |
|-------------|-----------------------------------|-------------------------------------|----------------------------------|------------------------------------|
| Year | Target | Target | Target | Target |
| Plan | 800 | 5000 | 2500 | 2500 |
| 2007 | 44240 | 0 | 14492 | 33291 |

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

Patent Applications Submitted

Year Target

Plan: 0

2007: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

| | Extension | Research | Total |
|-------------|------------------|-----------------|--------------|
| Plan | | | |
| 2007 | 3 | 48 | 51 |

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

Number of attendees at workshops/trainings/field days

| Year | Target | Actual |
|-------------|---------------|---------------|
| 2007 | 500 | 3739 |

Output #2

Output Measure

Amount of grant dollars garnered to support animal research and outreach programs

| Year | Target | Actual |
|-------------|---------------|---------------|
| 2007 | 30000 | 1236668 |

Output #3

Output Measure

Number of technical and refereed journal articles published

| Year | Target | Actual |
|-------------|---------------|---------------|
| 2007 | 20 | 51 |

Output #4

Output Measure

Number of workshops presented.

| Year | Target | Actual |
|-------------|-------------------|---------------|
| 2007 | {No Data Entered} | 103 |

V(G). State Defined Outcomes

| O No. | Outcome Name |
|--------------|---|
| 1 | Number of participants in workshops/trainings/field days indicating an increase in knowledge gained |
| 2 | Percent of participants indicating change in behavior/ best practices adopted |
| 3 | Economic impact of the change in behavior reported |

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 |
|-------------|----------------------------|---------------|
|-------------|----------------------------|---------------|

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

| KA Code | Knowledge Area |
|----------------|-----------------------|
|----------------|-----------------------|

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 Programmatic Challenges

Brief Explanation

A new reporting system which will aggregate outputs and outcomes for Colorado Extension was put in place this year. consequently, we do not have reportable results in the form needed for the CSREES Accomplishment Report from all work teams. As we continue with this reporting, our data collection should become much stronger.

An additional external factor: Early in 2007 a snow storm left 3 to 4 feet of snow covering in southeast Colorado. Livestock were stranded in isolated groups and inaccessible areas; producers were essentially confined to their farmsteads for several days to a week after the storm. Due to mild weather in past years, many cow/calf producers were also beginning to calve out their cows. Post partum death losses were substantial in many cases along with still births and abortions due to sub-maintenance nutrition of the cows. This event has a significant negative impact on studies conducted at the Southeastern Colorado Research Center in Lamar.

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

1. Evaluation Studies Planned

After Only (post program)

Before-After (before and after program)

During (during program)

Case Study

Evaluation Results

Key Items of Evaluation