

Health and Well-being of Livestock

Health and Well-being of Livestock

V(A). Planned Program (Summary)

1. Name of the Planned Program

Health and Well-being of Livestock

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	50%		50%	
302	Nutrient Utilization in Animals	20%		20%	
305	Animal Physiological Processes	10%		10%	
311	Animal Diseases	20%		20%	
Total		100%		100%	

V(C). Planned Program (Inputs)

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

Year: 2008	Extension		Research	
	1862	1890	1862	1890
Plan	0.3	0.0	1.3	0.0
Actual	0.9	0.0	1.8	0.0

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

Extension		Research	
Smith-Lever 3b & 3c 0	1890 Extension 0	Hatch 60337	Evans-Allen 0
1862 Matching 53997	1890 Matching 0	1862 Matching 63723	1890 Matching 0
1862 All Other 0	1890 All Other 0	1862 All Other 0	1890 All Other 0

V(D). Planned Program (Activity)

1. Brief description of the Activity

Research was conducted to examine the role of selenium on and vitamin E on immune system function of lambs. Investigations also were undertaken to investigate cellular and molecular regulation of spermatogenesis and male fertility and sperm cellular functions that contribute to in vivo fertility in livestock.

2. Brief description of the target audience

The target audiences for these programs are livestock farmers in the Northeast and nationwide, the livestock artificial insemination industry and 4-H youth programs.

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	100	1000	50	100
2008	100	1000	30	0

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

Patent Applications Submitted

Year Target

Plan: 0

2008: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

	Extension	Research	Total
Plan	0	0	
2008	0	1	1

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

Peer reviewed publications

Year	Target	Actual
2008	2	0

Output #2

Output Measure

Student training

Year	Target	Actual
2008	2	5

Output #3

Output Measure

Scientific and Professional Presentations

Year	Target	Actual
2008	2	3

Output #4

Output Measure

Public presentations

Year	Target	Actual
2008	3	0

Output #5

Output Measure

Website development and refinement

Year	Target	Actual
2008	1	0

Output #6

Output Measure

Abstracts

Year	Target	Actual
2008	2	1

Output #7

Output Measure

Fact sheets, bulletins and newsletters

Year	Target	Actual
2008	2	0

Output #8

Output Measure

MS Theses and PhD Dissertations

Year	Target	Actual
2008	1	0

V(G). State Defined Outcomes

O No.	Outcome Name
1	Development of fertility assays for use in AI industry
2	Modification of animal feeds which will result in the improvement of immune status and disease resistance

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

Appropriations changes

Brief Explanation

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

1. Evaluation Studies Planned

During (during program)

Evaluation Results

The programs are both active and data continue to be collected. At this time interest in the research has been expressed both by the research community and agricultural interests.

Key Items of Evaluation