

V(A). Planned Program (Summary)

Program # 8

1. Name of the Planned Program

Animal Science - Beef Cattle

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			10%	
305	Animal Physiological Processes			10%	
306	Environmental Stress in Animals			60%	
307	Animal Management Systems			20%	
	Total			100%	

V(C). Planned Program (Inputs)

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

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Plan	0.0	0.0	2.5	0.0
Actual	0.0	0.0	2.5	0.0

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

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
0	0	64300	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	0	21433	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

- Conduct research
- Publish results
- Present data at conferences
- Collaborate with other

members of multistate project

2. Brief description of the target audience

Beef producers in the tropics, greater Caribbean, Central and South America and the southern US.

V(E). Planned Program (Outputs)

1. Standard output measures

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Plan	0	0	0	0
Actual	0	0	0	0

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

Patent Applications Submitted

Year: 2010
 Plan: 0
 Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2010	Extension	Research	Total
Plan	0	1	
Actual	0	1	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Abstracts

Year	Target	Actual
2010	1	1

Output #2

Output Measure

- Journal articles

Year	Target	Actual
2010	1	0

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Number of cattle producers in teh VI using managed breeding program
2	Number of cattle producers in the VI incorporating temperament into their selection criteria

Outcome #1

1. Outcome Measures

Number of cattle producers in teh VI using managed breeding program

2. Associated Institution Types

- 1862 Research

3a. Outcome Type:

Change in Condition Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2010	1	1

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Livestock production in the USVI is impacted by seasonal rainfall and forage availability. Comparing cow and calf production traits and cow reproduction at different times of the year will result in data that can be used to make recommendations to local producers about herd management.

What has been done

Cow productivity was monitored for three years and compared between a Spring calving and Fall calving herd. After weaning calves grazed forage pastures with no supplemental feed. Records collected and analyzed included pregnancy rate, cow body weight and condition score at breeding, calving and weaning and calf weights at birth, weaning and yearling.

Results

Cows that calved in the Fall were larger (frame score), heavier and had higher body condition scores than Spring calving cows. The calves born during the Fall had higher birth weights, lower weaning weights and higher yearling weights than Spring born calves. Fall born calves had higher temperament scores at weaning but not as yearlings compared to Spring born calves. Growth differences of cows and calves may be due to seasonal forage availability, rainy season or sire effect. More data needs to be collected to separate out these confounding factors.

4. Associated Knowledge Areas

KA Code	Knowledge Area
301	Reproductive Performance of Animals
305	Animal Physiological Processes
306	Environmental Stress in Animals

307 Animal Management Systems

Outcome #2

1. Outcome Measures

Number of cattle producers in the VI incorporating temperament into their selection criteria

Not Reporting on this Outcome Measure

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Natural Disasters (drought, weather extremes, etc.)
- Economy
- Appropriations changes

Brief Explanation

We had a hurricane thsi year but it did not imapct this program.

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

1. Evaluation Studies Planned

- Other (informal producer feedback)

Evaluation Results

Key Items of Evaluation