

V(A). Planned Program (Summary)

Program # 1

1. Name of the Planned Program

Small Livestock and Beef

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%			
302	Nutrient Utilization in Animals	15%			
307	Animal Management Systems	30%			
311	Animal Diseases	10%			
312	External Parasites and Pests of Animals	10%			
315	Animal Welfare/Well-Being and Protection	10%			
603	Market Economics	5%			
	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	2.5	0.0	0.0	0.0
Actual	2.5	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	1890 Extension	Hatch	Evans-Allen
90000	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
90000	0	0	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

- A "Locally Produced" program was started to promote the purchase and consumption of locally produced animal products
- A parasite monitoring program was continued for all livestock farms to document parasite populations and concentrations, with data being used in tick control programs
- Test sites were set up and monitored for enhanced forage evaluation in pasture and drought conditions
- A program was initiated to demonstrate to producers the health and financial advantages of proper and adequate housing for livestock
- Methods of nutrition evaluation were demonstrated to producers so that they can determine effects on reproduction and performance

2. Brief description of the target audience

- Virgin Islands Livestock Producers
- Virgin Islands Consumers
- Virgin Islands Youth

V(E). Planned Program (Outputs)

1. Standard output measures

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Plan	450	4000	550	500
Actual	520	4500	580	650

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	0	
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Workshops/demonstrations would be conducted on management, nutrition, housing, and identification of livestock

Year	Target	Actual
2010	4	13

Output #2

Output Measure

- Pasture testing and demonstration sites would be set up for forage evaluation

Year	Target	Actual
2010	2	5

Output #3

Output Measure

- Farms would be visited for general evaluation of management techniques and counseling

Year	Target	Actual
2010	150	152

Output #4

Output Measure

- Farms would be visited for parasite monitoring and evaluation

Year	Target	Actual
2010	25	40

Output #5

Output Measure

- Animals would be visited to weigh animals to monitor performance

Year	Target	Actual
2010	10	15

Output #6

Output Measure

- Animal production would be monitored

Year	Target	Actual
-------------	---------------	---------------

2010

24

25

Output #7

Output Measure

- Implement a 'Buy Local' campaign with local farmers cooperative for use by producers in the community

Year

Target

Actual

2010

1

1

Output #8

Output Measure

- Provide training per year to farmers in identification methods

Year

Target

Actual

2010

1

2

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Continue to work toward selecting and adopting the use of two drought-resistant and nutritional forages for pastured livestock per year
2	Decrease production, performance and animal losses due to parasites and poor nutrition by 5% per year
3	Increase the sales and consumption of locally produced livestock products such as meat, milk, eggs
4	Increase the number of livestock herds/flocks using complete identification and recordkeeping practices
5	Increase the number of pig farmers that are raising their livestock in recommended facilities

Outcome #1

1. Outcome Measures

Continue to work toward selecting and adopting the use of two drought-resistant and nutritional forages for pastured livestock per year

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Condition Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2010	2	5

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

This is an issue for local farmers. Improved pastures allow farmers to spend less money on supplemental feed for their livestock while being able to produce a higher quality product for market and better animals for replacements in their breeding herd.

What has been done

Sections of pastures were re-seeded with improved types of grasses in order to establish better pasturage for the animals.

Results

Farmers' pastures are growing nicely and are ready for the initial grazing by the livestock.

4. Associated Knowledge Areas

KA Code	Knowledge Area
302	Nutrient Utilization in Animals
312	External Parasites and Pests of Animals
315	Animal Welfare/Well-Being and Protection

Outcome #2

1. Outcome Measures

Decrease production, performance and animal losses due to parasites and poor nutrition by 5% per year

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Condition Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2010	5	4

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Local farmers and consumers. In order to supply quality product to the consumer, farmers need to be able to control the negative effects of parasites on their animals.

What has been done

Workshops and training sessions have been conducted in order to familiarize farmers with what is available to them for treatment and techniques to diagnose parasite issues.

Results

Moderate attendance at the workshops indicate more work is needed in this area. Those that attended have put the gained knowledge to use in their livestock operations.

4. Associated Knowledge Areas

KA Code	Knowledge Area
302	Nutrient Utilization in Animals
307	Animal Management Systems
312	External Parasites and Pests of Animals
315	Animal Welfare/Well-Being and Protection

Outcome #3

1. Outcome Measures

Increase the sales and consumption of locally produced livestock products such as meat, milk, eggs

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Condition Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2010	5	5

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Local farmers and consumers.

What has been done

The local farmers cooperative and other livestock farmers have begun to regularly carry meat and eggs to the market on Saturdays.

Results

The meat and eggs sell out regularly. Farmers are producing a superior quality of products.

4. Associated Knowledge Areas

KA Code	Knowledge Area
603	Market Economics

Outcome #4

1. Outcome Measures

Increase the number of livestock herds/flocks using complete identification and recordkeeping practices

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Condition Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2010	10	3

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Better management of herd inventory leads to a more profitable enterprise through reduction of costs associated with herd health and feeding. Non-productive and/or unthrifty animals utilize resources that the farmer can use elsewhere. By culling these animals from the herd/flock, the farmer can save money. The public benefits from the reduced cost of production through better prices at the market. Also, animals running at-large and causing damage can be identified.

What has been done

Two training sessions/workshops were conducted for the livestock community to educate them as to the means and methods of identification available to them. Farm visits were made to train individuals.

Results

Due to financial constraints, many farms are not maintaining their identification levels because of a failure to purchase tags and equipment. Work to help is ongoing.

4. Associated Knowledge Areas

KA Code	Knowledge Area
307	Animal Management Systems

Outcome #5

1. Outcome Measures

Increase the number of pig farmers that are raising their livestock in recommended facilities

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Condition Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2010	10	2

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Swine raised in appropriate facilities are healthier and grow faster than others. Farmers can realize more profit with a faster turn around. Improper swine facilities can lead to contamination of public water supplies, disease outbreak from contaminated areas, and adverse environmental impacts.

What has been done

A workshop was conducted including information on proper housing. Site visits were made to aid farmers in determining what was needed on their farms.

Results

Some progress has been made on two farms toward the recommendations. Resistance has been encountered in the old traditional farms for several reasons, including financial. The work is ongoing.

4. Associated Knowledge Areas

KA Code	Knowledge Area
307	Animal Management Systems
315	Animal Welfare/Well-Being and Protection

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Other ()

Brief Explanation

Participants in workshops demonstrated an increase knowledge of proper livestock management techniques after attending the sessions. Several farmers requested advice on types of identification available to them. Also questions regarding housing were raised. Farmers asked for assistance and recommendations for forage varieties in re-seeding their pastures.

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

1. Evaluation Studies Planned

- Before-After (before and after program)
- During (during program)
- Comparisons between program participants (individuals, group, organizations) and non-participants
- Comparisons between different groups of individuals or program participants experiencing different levels of program intensity.

Evaluation Results

Key Items of Evaluation

- Identifications of animals
- Recordkeeping skills
- Housing
- Pasture Management