

Sustainable Internal Parasite Control for Small Ruminants

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V(A). Planned Program (Summary)

1. Name of the Planned Program

Sustainable Internal Parasite Control for Small Ruminants

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
313	Internal Parasites in Animals		100%		100%
	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	0.0	0.5	0.0	0.0
Actual	0.0	0.1	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
0	19907	0	24827
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	14634	0	14634
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	12554	0	32463

V(D). Planned Program (Activity)

1. Brief description of the Activity

Integrated Internal Parasite Management workshops were conducted (based on Integrated Pest Management principles), to address controlling internal parasites, reduce the development of dewormer resistance and increase the producer's ability to prevent internal parasites.

2. Brief description of the target audience

Goat producers and people anticipating being goat producers

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	200	400	0	0
2007	458	458	0	0

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

Year	Target
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Plan:	0
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2007:	0
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Patents listed**3. Publications (Standard General Output Measure)****Number of Peer Reviewed Publications**

	Extension	Research	Total
Plan			
2007	0	0	0

V(F). State Defined Outputs**Output Target****Output #1****Output Measure**

Direct and indirect contact with adults

Year	Target	Actual
2007	{No Data Entered}	458

V(G). State Defined Outcomes

O No.	Outcome Name
1	Number of goat producers learning internal parasite control techniques.
2	Number of goat producers using internal parasite control techniques.
3	Goat producers who have gotten internal parasites under control by using the learned control technique.

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.)

Brief Explanation

Internal parasites are the most important health issue in small ruminants, causing greater morbidity, mortality and lost production than the next three most important diseases. The problems with internal parasites include lack of knowledge on biology and management practices to control them, internet disinformation and dewormer resistance.

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

1. Evaluation Studies Planned

Retrospective (post program)

Evaluation Results

Last summer (2007) was the wettest year on record in Oklahoma, resulting in higher than normal internal parasite problems. Many of our parasite workshop participants reported that they had not lost a goat in contrast to other local goat producers. Two producers called to say that they had identified dewormer resistance in animals that they bought and were able to take corrective action.

Key Items of Evaluation

Provided workshops on internal parasite control in goats
Skills developed by participants in internal parasite control