



Animal and
Plant Health
Inspection
Service

Veterinary
Services

Goat 2009 Parasite Evaluation Collection Record

National Animal Health
Monitoring System

2150 Centre Ave, Bldg B
Fort Collins, CO 80526

Form Approved
OMB Number 0579-0354
Expires: 4/30/2012

Thank you for participating in the NAHMS Goat study and for taking the time to sample your goats for parasites. In order for the test results to be accurate and of value to your operation, read all of the materials received and follow collection and shipping instructions. It will take several weeks for confidential test results from your operation to be mailed back to you.

Please review these instructions:

Samples MUST BE taken during the following time period: _____

- If you are unable to collect during this time, OR your goats don't appear to have parasites during this time period, please contact Judy Rodriguez for alternative dates.

The operation must collect samples from at least 6 goats, although up to 10 goats can be sampled.

Goats from weaning to 2 years old are most likely to excrete eggs if infected; therefore, this age group should be targeted. However, samples can be taken from any age animal suspected of having parasites.

Goats must not have been treated with a dewormer within 45 days prior to sampling.

Samples need to be fresh and collected directly from the rectum in order to eliminate environmental contamination of the sample.

Target goats suspected of having parasites.

If using the FAMACHA card, sample goats with a FAMACHA score of 3, 4, or 5.

Shipping guidelines must be met.

- Samples must be shipped within 1 day of sampling.
- Samples must be shipped on a Monday, Tuesday, or Wednesday.

Check Kit Contents

The sampling materials will come in a small Federal Express box with the kit number and collection date range on the outside of the box. The kit contains the following:

10 pairs of gloves Ziploc vacuum starter kit Lubricating jelly Shipping box Paperwork

The paperwork consists of:

- These collection and shipping instructions
- 3-part carbonless paper submission form
- A label to attach to the sample bag
- A postage-paid envelope addressed to the NAHMS program in Fort Collins, CO.
- A prepaid/pre-addressed Federal Express airbill for the samples.

If you are missing any materials or have any questions, contact Judy Rodriguez at NAHMS by phone (970-494-7255) or email (judith.m.rodriguez@aphis.usda.gov).

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0354. The time required to complete this information collection is estimated to average 1 hour per response, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collected.

**NAHMS-221
Sept 2009**

Before Collection Day

Check Federal Express Availability.

- Samples will be shipped overnight via Federal Express. Contact FedEx to determine a local drop-off and hours of operation for a location that **accepts Priority Overnight** packages. 1-800-gofedex (1-800-463-3339) or www.fedex.com

Submission Form and Label

- Write firmly so information appears on all 3 pages of the carbonless forms.
- Enter the date you collected the samples. The State, Operation and Kit number are already recorded.
- Record the age for each animal sampled and answer the questions.
- On the label, write in the Operation number found on the submission form.

Collection Instructions

Sample at least 6 goats and up to 10 goats. If you have 6 to 9 goats, take as many samples as you have goats (e.g., 8 goats = 8 samples).

RECTAL RETRIEVAL

To avoid contamination from common organisms from the ground, rectal retrieval is best.



1. Apply lubricating jelly to the glove before entering the rectum.

- Lightly stroking the rectum might encourage defecation.



2. Retrieve a minimum of 6 pellets per goat.

- For young goats with small pellets 10-12 is optimal.
- Place ALL samples into one bag.

3. Place pellets in a Ziploc bag from the Vacuum Starter Kit.

4. Continue collecting samples from other goats using a clean glove for each.

Place **all** samples in the same bag. You will get one test result for the operation.

ALTERNATIVE if you cannot collect the samples rectally.

Try to catch pellets onto a piece of clean cardboard, box or lid. Goats have a tendency to defecate when they get up and that may be the best time to trail after with a box.



Try to collect samples on clean cardboard.

- Place a small amount in a gallon size ziplock bag.

Do not collect samples off the ground.

Clean, fresh feces are required for analysis.

Prepare the Pooled Samples

	<p>1. Knead the bag until individual fecal pellets cannot readily be seen.</p> <ul style="list-style-type: none"> ➤ Add a touch of water if needed to give a consistency of thick paste. 		<p>2. Zip the bag closed.</p> <p>3. Use the vacuum pump to squeeze out excess air.</p>
	<p>4. Roll the sample bag up and place into another Ziploc bag supplied with the pump.</p> <ul style="list-style-type: none"> ➤ Again, squeeze out excess air. 		<p>5. Place the label that comes with the paperwork over the zipper end of the bag to assure the vacuum holds during shipping.</p> <ul style="list-style-type: none"> ➤ Also place a tape over the vacuum port to prevent loss of vacuum.

Shipping Instructions – Samples must not be frozen.

If possible, box and ship samples on the same day (Monday, Tuesday, or Wednesday).

Samples that are vacuum-sealed can be held for 24 hours.

	<p>1. Tape open the provided box with shipping-strength tape.</p>		<p>2. Place the sample in the box along with newspaper or other packing material to lightly fill in box.</p>
	<p>3. Place the yellow copy of the submission form on the top of the material and seal the box.</p>		<p>4. Place the provided FedEx airbill on the outside of the box.</p> <ul style="list-style-type: none"> ➤ Drop off at a FedEx location

5. Mail white copy of the submission form to NAHMS using the postage-paid envelope. Keep the pink copy for your records.

The **Sender's Copy** of the FedEx airbill can be sent to NAHMS or left with the package when dropped off.



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Samples can be stored in the refrigerator or at room temperature and cannot be held longer than 24 hours before shipping to the lab. Samples must be shipped on Monday, Tuesday, or Wednesday. Collect samples and ship during the time period written on the first page of the instruction sheet.

State:	Operation Number:	Kit Number:	Collection Date: (mm/dd/yy)
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BE SURE TO COLLECT SAMPLES FROM GOATS THAT YOU SUSPECT HAVE PARASITES.

1. For each animal you take a fecal sample from, write down the age in years.

EXAMPLE Age	Age	Age	Age	Age	Age
4.5					
6 months					
IF WEANED BUT LESS THAN 1 YEAR, MAKE IT CLEAR THAT THE AGE IS MONTHS.					

2. What is the total number of animals you sampled?
(Should equal the number of ages listed above) head

For the following, write in responses. If zero or none, write in 0. If you cannot answer a question or it is not applicable, please note the reason in the margin.

3. In the pen/area where these samples were taken, how many

- a. unweaned kids are present? head
- b. weaned kids 4 months to 1 year of age are present? head
- c. goats 2 years of age or greater are present? head

Total goats in area total

4. What is the total number of goats in your herd?..... herd total

Continued on next page.

Please write in the Operation Number printed on the previous page in case these two pages became separated:

Operation # _____

5. What breed of goats were sampled (check all that apply)?

- Alpine
- Angora
- Boer
- Kiko
- La Mancha
- Nubian
- Oberhasli
- Pygmy Goat
- Saanen
- Spanish
- Tennessee Fainting
- Toggenburg
- Other breed or cross SPECIFY: _____

6. Were any of the following used to select the goats that were sampled?

a. FAMACHA card ₁ Yes ₃ No

i. IF YES, what were the scores? FAMACHA SCORES

b. Animal showed clinical signs ₁ Yes ₃ No

i. IF YES, what were the signs?

Diarrhea ₁ Yes ₃ No

Weight loss..... ₁ Yes ₃ No

Poor hair coat..... ₁ Yes ₃ No

Anemic ₁ Yes ₃ No

Other signs..... ₁ Yes ₃ No (specify: _____)

c. Other reasons goats were selected for sampling? (specify: _____)..... ₁ Yes ₃ No

7. Are you using copper wire particle boluses or other nondrug dewormer treatments?... ₁ Yes ₃ No

IF YES, please list: _____

8. Before today, have these goats EVER been treated with a dewormer? ₁ Yes ₃ No

IF YES, what date were they last treated? (Explain in margin if you don't know.) mm/dd/yy

IF YES, check all product(s) used.

- ₁ Albendazole (Valbazen®),
- ₂ Fenbendazole (Safeguard®, Panacur®)
- ₃ Avermectin/Milbemycins; Ivermectin (Ivomec)®
- ₄ Moxidectin (Cydectin®)
- ₅ Levamisole (Tramisol®, Levasole®, Prohibit®)
- ₆ Pyrantel (Strongid®)
- ₇ Morantel (Rumatel®)

OR LIST HERE: _____

9. Which best describes the management of the sampled goats during the past 30 days?

- ₁ Open range (large unfenced acreage)
- ₂ Fenced range (large fenced acreage)
- ₃ Fenced farm (cultivated pasture or browse)
- ₄ Dry lot (pen which does not allow grazing and is not meant for finishing goats on a high-energy diet for slaughter)
- ₅ Other (specify: _____)

Send Yellow pages with samples to the lab. Send Original pages to NAHMS in Colorado using the provided postage-paid envelope. Keep the pink copy for your records.

The Sender's Copy of the FedEx airbill can be sent to NAHMS or left with the package when dropped off.