

Short Course Topics for Discussion

Facts & Foley About Intestinal Parasites

- ◆ Understanding parasite life cycles
- ◆ Types of gastrointestinal parasites
- ◆ Effects on health and performance of the horse
- ◆ Resistance –how does it happen & how did we get here?
- ◆ Are there resistant parasites on your farm? Should you worry?
- ◆ Control Options

Waging War on Parasites

- ◆ Parasite levels in pastures and dry lots
- ◆ Enhancing pasture quality to reduce parasite exposure
- ◆ Effects of temperature, freezing, moisture, and energy reserves on parasite development and persistence in pastures
- ◆ To harrow or not to harrow
- ◆ Proper composting of manure

Joining our battle

- ◆ Fecal egg counts as an important tool for managing parasites
- ◆ What fecal egg counts can and cannot tell us
- ◆ Cases studies from the 2015 & 2016 Parasite Partners
- ◆ How you can join our Parasite Partner Team

Conducting Your Own Fecal Egg Counts

- ◆ Learning to do your own fecal egg counts is easy and fun
- ◆ Feel free to bring 1 or 2 of your horses samples to practice with
- ◆ Please do not bring more than 2 samples we will not have enough time to do more

Become a Penn State partner in our Equine Parasite Project!

Attend the short course and you have the option to continue as a partner in a year-long parasite research project. Join us and see if you qualify for this exciting opportunity to help yourself, your farm, and your horse. As part of our team you will learn to conduct your own fecal egg counts and determine the effectiveness of the products you are using.

Be part of a research project that will aid horse owners across the state!



Benefits to you, your farm and your horse...

- * Open the door to better parasite management on your farm.
- * Receive individualized assistance to develop a parasite management program.
- * Learn from Penn State specialists, educators and veterinarians.
- * Discover which horses have natural resistance and which shed eggs.
- * Save money on de-wormers that are not needed.
- * Effectively deworm horses with high parasite levels.
- * Determine which de-wormers no longer work for your horses.

What is required if I participate in the research project?

Participants will be required to:

- ◆ Complete the short courses.
- ◆ Delay deworm horses until you conduct the first fecal egg count.
- ◆ Travel to the fecal egg count site to conduct your fecal egg counts. Sites will be equipped with microscopes, supplies and are staffed by trained team members.
- ◆ Collect manure samples from all the farm horses using the protocol provided.
- ◆ Identify high & low shedders by conducting fecal egg counts on all farm horses 3 times a year on the established dates.
- ◆ Supply extra help if there are 6 or more horses on the farm.
- ◆ Deworm moderate to high shedders with the product provided.
- ◆ Re-check fecal egg counts 2 weeks after deworming to evaluate product effectiveness.

PARTICIPANTS ARE ENCOURAGED TO INVOLVE THEIR VETERINARIANS IN THIS PROJECT.



**REGISTRATION
INFORMATION**

*Learn to Manage Parasite Resistance on Your
Farm*

Saturday March 18, 2017

Registration fee
\$45 per person
\$25 for Students

Registration deadline:
March 3, 2017

TO REGISTER ONLINE GO TO:

<http://extension.psu.edu/parasite-resistance>

Once online, you can choose to pay by
either check or credit card.

On the registration site there are directions
for check payment.

If you do not have internet access please call
Tina Weidele at 610-391-9840

*For questions about course content, please
contact:*

Heather Stofanak haf10@psu.edu

or

Donna Foulk dlf5@psu.edu

***Follow these directions to collect
your fecal samples***

1. Collect 3-4 fecal balls from the floor of a clean stall. It is very important that the samples are as fresh as possible, collected within 12 hours.
2. Collect a sample from each individual horse in a plastic bag and seal all of the air out. Label each bag with the horse's name.
3. Avoid exposing sample to temperatures above 100 degrees Fahrenheit at any time.
4. Do not let sample freeze.
5. Refrigerate or put sample in cooler with ice packs immediately.
6. Sample needs to be "normal" manure. Diarrhea will not give accurate results.

For more information

Please Contact:

Donna Foulk dlf5@psu.edu or

Heather Stofanak

haf10@psu.edu

<http://extension.psu.edu/animals/equine>

***Short Courses & Fecal Egg Count
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PennState Extension

**Learn to Manage
Parasite Resistance
on Your Farm**

*....be a partner in our
Penn State parasite
research project....*

March 18, 2017

10:00 am- 4:00 pm

at

Samuel E. Hayes Jr.

Livestock Evaluation Center

1494 West Pine Grove Rd,

PA Furnace, PA 16865

