

Controlling Insect Pests on Horse Farms

Phillip E. Kaufman, Ph.D.
Associate Professor of Veterinary Entomology
Entomology and Nematology Department
Institute of Food and Agricultural Sciences
University of Florida
Gainesville, FL 32611-0620
pkaufman@ufl.edu

Today, we will visit several equine facilities, via PowerPoint, to examine pest management using “real life” images that include examination of existing pest problems, as well as potential areas for insect developmental sources. Through this presentation, we will “walk” through several equine operations and discuss what can be done should a pest emerge. Topics covered will include, biting and non-biting flies, including mosquitoes, “fuzzy caterpillars”, fire ants, and ticks. We will address manure management from the choice of materials used all the way through the disposal of these waste products – pile, spread or compost???. Pest management approaches to be discussed not only include cultural, physical, biological and chemical options, but the thoughtful integration of these management strategies into an operational plan.

As most of us do not have all day to go through all of the materials available, I have compiled a list of online resources. A few are included in this packet, however, the color versions are all available online.

Sources of further information include:

University of Florida

EDIS System – Tremendous amount of free information: <http://edis.ifas.ufl.edu>
Featured Creatures – Some great equine articles: <http://entnemdept.ifas.ufl.edu/creatures/>
Pest Alert: <http://entnemdept.ifas.ufl.edu/pestalert/>
Entomology Dept. Publications: <http://entnemdept.ifas.ufl.edu/publicat.html>

Collections:

Horse Pest Insects: http://edis.ifas.ufl.edu/topic_horse_pests
Horse Diseases: http://edis.ifas.ufl.edu/topic_horse_diseases

Specific Horse Pests/Diseases:

External Parasites on Horses (With Insecticide Lists): <http://edis.ifas.ufl.edu/IG139>
Horse bot fly: http://entnemdept.ifas.ufl.edu/creatures/livestock/horse_bot_fly.htm
Eastern equine encephalitis: <http://edis.ifas.ufl.edu/in179>
Eye gnats: <http://entnemdept.ifas.ufl.edu/creatures/livestock/flies/liohippelates.htm>
Yellow fly: http://entnemdept.ifas.ufl.edu/creatures/livestock/yellow_fly.htm
Horse flies: http://entnemdept.ifas.ufl.edu/creatures/livestock/deer_fly.htm
Blister beetles: http://entnemdept.ifas.ufl.edu/creatures/urban/medical/blister_beetles.htm

Red imported fire ant: http://entnemdept.ifas.ufl.edu/creatures/urban/ants/red_imported_fire_ant.htm
Black flies: <http://entnemdept.ifas.ufl.edu/creatures/livestock/bfly.htm>

County Extension Offices: Fantastic resources for many needs – 1st stop with a specimen for ID.

UF/IFAS has Extension Offices in each of Florida's sixty-seven counties. Twelve Research and Education Centers (RECs), Research and Demonstration Sites (RDSs), and several other offices are located throughout the state.

If you need help a great place to start is your local County Extension Office. With an office located in every county it has never been easier to partner with the University of Florida and your local County Government. To find an office near you please visit:
<http://solutionsforyourlife.ufl.edu/map/>