



Volume 2, Issue 3

UF/IFAS Duval County Extension

May/June 2018

Summer is upon us. This issue is all about expanding your horizons! Learn all about the different types of chicken combs, mosquito control options, best management practices for horses, and goat breeds. Summer is a great time to jump into new projects or new business ventures.

IN THIS ISSUE

Chicken	
Combs.....	Page 2
Mosquito Fish...	Page 3
Equine BMP.....	Page 4
Goat	
Breeds.....	Page 5
Upcoming	
Events.....	Page 6

Beat the Heat with Chicken Treats!
Includes take home treats and boredom busters!

Join us on June 23rd, 10 am—12pm for our 2nd annual Chicken Treats and Toys workshop! We will be discussing new ways to keep your chickens entertained and happy through out the hot summer months! You can purchase tickets here: <http://bit.ly/TreatsandToys>

Visit our Facebook page @

[https://www.facebook.com/
DuvalCountyAgriculture](https://www.facebook.com/DuvalCountyAgriculture)

Alicia Halbritter

Alicia Halbritter
Livestock/Forage Agent
aliciah1221@ufl.edu
904-255-7450



Types of Chicken Combs

Did you know there are 9 different types of combs found on chickens? Knowing the comb structure can help you determine genetics and breed possibilities of mixed breed birds.



Single Comb
Characteristic of over 50 chicken breeds



Buttercup Comb
Characteristic of the Sicilian Buttercup



Rose Comb
Characteristic of 10 or more chicken breeds



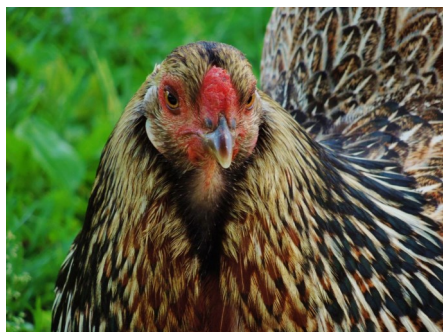
Walnut Comb
Cross breeds between a Dominant Rose Comb and Dominant Pea Comb



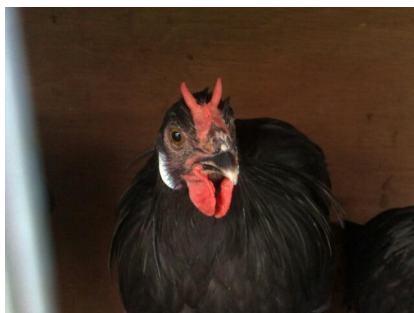
Pea Comb
Characteristic of 10 or more chicken breeds



Strawberry Comb
Characteristic of the Malays and Yokohamas



Cushion Comb
Characteristic of the Chanteclers



V Comb
Characteristic of 10 or more chicken breeds



Carnation Comb
Characteristic of the Penadesenca

Mosquito Fish



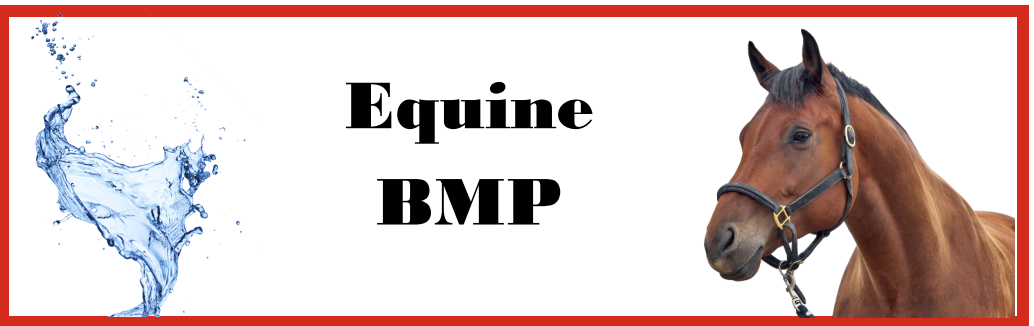
Out of 3500 mosquito species in the world... 80 live in Florida. Yikes! Mosquitos, pesky in nature, and potentially dangerous disease carriers, are something we are accustomed to in Florida. However, you don't have to deal with them repopulating by the masses in your ponds.

The Eastern Mosquito Fish can be used for mosquito control purposes as they consume the waterborne mosquito larvae. One adult mosquito fish can consume 100 larvae a day!

3-5 fish can be placed in small structures like rain barrels, where 5-7 fish can be stocked in an ornamental pond. Larger structures should stock 1 fish for every 20 square feet of surface water. Make sure to include at least one or more females.

Mosquitoes and their related public health problems are a major concern for people living in warm weather climates, such as Florida. Implementing multiple management strategies is the best way to combat public health issues associated with mosquitoes. By using native fish species that eat mosquito larvae, including eastern mosquitofish, we are able to utilize an additional tool to help alleviate those concerns. Furthermore, eastern mosquitofish are relatively easy to grow and maintain, readily available from commercial farms, and thrive within their natural, native environment





By: Caitlin Bainum, Equine Farm Management Agent, Marion County

Increased levels of Nitrogen and Phosphorus entering our water bodies due to runoff will lead to the overall degradation of those waters as the oxygen levels become depleted due to algae blooms, a product of the excess nutrients. The algae blooms often foreshadow the death of aquatic life which makes for water that is unsuitable for consumption. Nitrogen and Phosphorus are found in many areas of agriculture; fertilizer and manure being the main sources of pollution. Storm water runoff is responsible for carrying much of these unwanted nutrients into ground and surface waters. The development of the best management practices manual allows us to become better stewards of our land and resources.

BMPs were developed for all agricultural commodities as they relate to air and water quality. BMPs were more formally adopted in 1999 after the Florida Watershed Restoration Act in hopes of reaching Total Maximum Daily Load goals; which are maximum levels of pollutants a body of water can withstand while still meeting water quality standards.

Equine BMPs include topics such as nutrient management, manure management, erosion control, pasture management, storm water management, water resource protection, pesticide use, and animal mortality management. The matters discussed throughout the BMP manual are often troubles that must be confronted at some time or another by every equine farm.

Best Management Practices were not developed on a whim, but through science and meticulous research. The University of Florida/IFAS, Florida Department of Agriculture and Consumer Services, Florida Department of Environmental Protection, water management districts, and other local stakeholders all worked closely to produce each industry BMP manual. The population is also on the rise, which means we either combat the water quality/quantity issue or we will be scrambling for the one component of life that is most essential.

As a horse enthusiast and promoter of BMPs on horse farms, the most common remark I encounter is overall denial of contribution to pollution and the blaming of other industries; specifically golf courses and urban sprawl. Best management practices need to be adopted by each and every industry aside from just our own, but as the equine industry we must accept our footprint and work towards reduction that is within our control.

Questions? Get in touch with your local extension agent today!

Goat Breeds

There are 82 goat breeds found across the world, 21 of which are commonly found in the United States. Like other livestock species, each breed has its own characteristics that make it good at producing a particular product. Goat breeds are generally associated into three categories, Dairy, Meat, or Fiber.

Dairy

- [Alpine](#)
- [LaMancha](#)
- [Nigerian Dwarf](#)
- [Nubian](#)
- [Oberhasli](#)
- [Saanen](#)
- [Sable](#)
- [Toggenburg](#)



Fiber

- [Angora](#)
- [Cashmere](#)
- [Pygora](#)



Meat

- [Boer](#)
- [Genemaster](#)
- [Kiko](#)
- [Kinder](#)
- [Myotonic](#)
- [Pygmy](#)
- [Savanna](#)
- [Spanish](#)
- [Tennessee Meat Goat](#)
- [TexMaster](#)



Goats can be a wonderful addition as pets, weed control, companion animals, or to start a new business venture. Learning about the different breeds and what is suited for the climate you live in is a great way to get started with goats.

Reading a printed version? Visit our website to access the links above:

<http://sfyl.ifas.ufl.edu/duval/contact-us-and-newsletters/>

Duval County Extension
1010 N. McDuff Avenue
Jacksonville, FL 32254
(904) 255-7450
Fax: (904)387-8902
Website: <http://duval.ifas.ufl.edu>



UF | **IFAS Extension**
UNIVERSITY of FLORIDA

UPCOMING EVENTS

Backyard Poultry Basics

*pre-registration required, \$5
June 8th 9-11 AM
June 12th 6-8 PM

Keep On the Calendar:

Chicken Treats and Toys Workshop
June 23rd
10am– 12pm
<http://bit.ly/TreatsandToys>

For individuals requiring special accommodations, please contact our office (904-255-7450) within a minimum of 5 working days of the program. For persons with hearing or speech impairments, when contacting our office please use the Florida Relay Service at 1-800-955-8771 (TDD).

Extension programs are open to all regardless of race, creed, color, sex, sexual orientation, marital status, age, disability, religion, national origin, political opinions or affiliations. Reference to commercial products or trade names is made with the understanding that no endorsement by the Extension Office is implied.