



DIVISION OF AGRICULTURE
RESEARCH & EXTENSION

University of Arkansas System

Faulkner County Agriculture News

Faulkner County Hay Day

The Faulkner County Hay Day will be held on July 11, 2019 at the Flying C Ranch. We will be in the hay field on the corner of Saltillo Road and Pruett Road. From Saltillo Road you will turn east onto Pruett road and then turn north in the first gate you come to. We will be looking at hay sampling and weighing, sprayer calibration, sun exposure and Greenway Equipment will be there with an equipment demonstration. We will start at 4:00 with a light meal, and the program will start at 4:30. I know some people won't be home from work yet at that time but please come on out whenever you can. I have attached a flyer with some more information. Please feel free to contact me with any questions.

Fall Armyworm Update

Kelly M. Loftin – Extension Entomologist

As of June 28, 2019, reports of fall armyworm infestations in Arkansas bermudagrass have been scant. Worms have been identified on signalgrass in a field in Sevier County and in bermudagrass fields in Bowie Co. Texas. In addition, extension specialists in Mississippi are reporting fall armyworms above treatment level in their state. By this date in 2018, we had already experienced severe infestations in south and southwest Arkansas. Although we haven't experienced any major fall armyworm infestations so far, the threat exists. Now through fall, we should continue scouting pastures and hayfields. Diligence is critical in identifying and managing outbreaks before significant losses occur. Infestations are easily overlooked when the caterpillars are small and eating very little. Once they grow large and consume more grass, damage becomes apparent.

Clues to fall armyworm infestations include: 1) field appears "frosted" 2) presence of birds in the field or 3) the odor of freshly mowed grass. Armyworm outbreaks usually often occur in waves about 30 days apart. However, when mixed worm sizes occur, overlapping generations are present and new infestations occur more frequently than 30 days. When scouting, carefully examine grass blades, stems and organic debris at plant base for armyworms. It is best to take at least ten one-foot-square random samples across the pasture or hay meadow. Make note of the armyworm sizes as this will help make good management decisions.

Insecticide application is recommended when an average of two or three fall armyworms per square foot occur within the field. Per-acre insecticide cost will vary from as low as about \$1.50 up to about \$14.00. When calculating cost, always consider the cost per acre and not the cost per gallon of product. Consider residual activity of the product, especially if you are seeing multigenerational populations (all sizes of fall armyworm caterpillars) and heavy armyworm pressure. Pyrethroid insecticides such as Karate® (lambda-cyhalothrin), Mustang Max® (zeta-cypermethrin) and Baythroid XL (beta-cyfluthrin) have short-duration residual activity. In contrast, products such as Prevathon® (chlorantraniliprole), Besiege® (chlorantraniliprole and lambda-cyhalothrin) and Intrepid® (methoxyfenozide)) have longer-duration residual activity and can reduce the number of applications necessary to produce a hay crop. Efficacy evaluations in 2017 and 2018 demonstrated that a mixture of lambda-cyhalothrin and Dimilin® (diflubenzuron) would provide longer-duration residual activity at less than one-half the cost of the more expensive products. The rate we evaluated was 3.8 oz. lambda-cyhalothrin and 2.0 oz. Dimilin® per acre. Also remember, if the grass is ready, cutting for hay will avoid the need to make an insecticide application. For additional information on armyworms see “Managing Armyworms in Pastures and Hayfields” and is available at: <http://www.uaex.edu/publications/PDF/FSA-7083.pdf>.

Pesticide Applicator Training

There will be a Pesticide Applicator Training (PAT) on **Thursday, August 1 starting at 6:00 pm**. This training will be at the Faulkner County Extension Office at 844 Faulkner Street in Conway. The fee for the training is \$20 per person and will be payable at the door. Checks should be made payable to the Faulkner County Extension Service. This registration fee **DOES NOT** affect the price you pay the Arkansas State Plant Board for your license. This fee is just for the certification training, you will still be responsible for paying the state plant board for your license. This certification will be good for 5 years.

Text and Email Updates

If you would like to sign up for ag text alerts from the Extension Office you can go to www.uaex.edu/faulkner and click the **sign up for text link** which is located on the main page.

You can also text the message **uaex FaulkCrop** or **uaex FaulkBeef** to the number **313131**

I am also sending out a Faulkner County Weekly Agriculture Update email. I send this out every Friday and if anyone wants to sign up, they can email me at klawson@uaex.edu and I will add you to the list. This update can also be found on our website under the newsletter section.

Weekly Livestock Market Report

We still get some questions about the Weekly Livestock Market Report. The Extension Service has turned that over to the Arkansas Department of Agriculture and they are reporting from eight barns. Those market reports can be found at The Arkansas Department of Agriculture Market Report Link: <https://www.agriculture.arkansas.gov/arkansas-market-reports>

Sincerely,



Kevin Lawson

County Extension Agent – Staff Chair, Faulkner County

University of Arkansas System, Division of Agriculture, Cooperative Extension Service

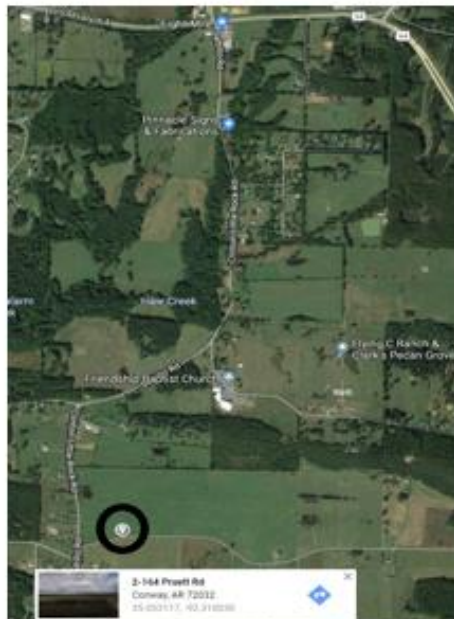
Mobile – (501) 889-4575

Email – klawson@uaex.edu



JULY 11, 2019 **FAULKNER COUNTY HAY DAY** SPONSORED BY: GREENWAY EQUIPMENT

The Faulkner County Extension Office will present a Hay Day on **July 11, 2019 from 4:00 to 8:00 pm** at the Flying C Ranch. The field is located on the corner of Saltillo Road (Clinton Little Rock Rd) and Pruett Road between Conway and Vilonia. (35.053 -92.311)



HAY EQUIPMENT DEMONSTRATIONS

HAY SAMPLING AND WEIGHING

SPRAYER DEMONSTRATION

HOW TO PROTECT YOURSELF FROM THE SUN

MEAL AND REGISTRATION START AT 4:00 WITH PROGRAM STARTING AT 4:30

FAULKNER COUNTY EXTENSION SERVICE

For more information contact:
Kevin Lawson – County Extension Agent

501-329-8344

Fall Armyworm Management and Recognition

Severe fall armyworm (FAW) outbreaks result in significant forage and hay production losses. Fall-time infestations may also prevent establishment of newly emerged winter annuals. Damage often appears quickly because infestations are easily overlooked when caterpillars are small and eating very little. Beginning as early as June damaging fall armyworm populations may occur in Arkansas.

Host Plant preference – FAWs feed on variety of forages but often prefer lush well-fertilized bermudagrass and threaten newly emerged small grains and ryegrass.

Scouting - Pastures and hayfields should be diligently scouted for FAWs. Examine at least 10 one sq. ft. samples at random across the field. Female FAW moths prefer to lay eggs in areas of abundant growth, be sure to include a few of these areas in your 10 samples.

Control – Chemical control is usually needed when 2 or 3 worms per square foot are present. Read label instructions and follow all harvesting and grazing restrictions. In situations where mixed-sized worms are present, strongly consider using products with longer residual activity. Insecticide options for FAW control are listed in the table. “Managing Armyworms in Pastures and Hayfields” is available at <http://www.uaex.edu/publications/PDF/FSA-7083.pdf> and the Insecticide Recommendations for Arkansas at <http://www.uaex.edu/publications/mp-144.aspx>.

Insecticide	Form/Acre	Lb ai/Acre	Acres/Gal	Comments
Lambda-cy AG & others (R) (13% lambda-cyhalothrin, 1lb/gal)	2.5-3.8 oz	0.02-0.03	33-50	No grazing restriction. Do not harvest hay within 7 days of application.
Warrior II & generics (R) -22.8% lambda-cyhalothrin, 2 lb/gal)	1.28-1.92 oz	0.02-0.03	66-100	No grazing restriction. Do not harvest hay within 7 days of application.
Mustang Max (R) (9.5% zeta-cypermethrin)	2.6-4.0 oz	0.0175-0.025	32-45	No grazing restriction for grass forage or hay (0 day PHI for grass forage and hay).
Baythroid XL (R) (12.7% beta-cyfluthrin)	2.6-2.8 oz	0.020-0.022	45.7-49.2	No grazing restriction for grass forage or hay (0 day PHI for grass forage and hay).
Tombstone (R) (24.7% cyfluthrin)	1.6-1.9 oz	0.025-0.030	67.4-80	No grazing restriction for grass forage or hay (0 day PHI for grass forage and hay).
Prevathon (5% chlorantraniliprole)	10-13 oz.*	0.034-0.044	10-13	No restriction for grazing or hay (0 day PHI for grass forage and hay). * 2(ee) rate
Besiege (R) (9.26% chlorantraniliprole & 4.63% lambda-cyhalothrin)	6-9 oz.	0.059-0.088	14-21	No grazing restriction. Do not harvest hay within 7 days of application
Tank Mix – Lambda-cy (R) and Dimilin (R) (22% diflubenzuron)	3.8 lc + 2.0 oz. d	0.03 lc 0.031 d	33 64	No grazing restriction. Do not harvest hay within 7 days of application. Dimilin is an IGR. Add crop oil when air temp is high and humidity low.
Intrepid (22.5% methoxyfenozide)	4-8 oz.	0.06-0.12	16-32	No grazing restriction. Do not harvest hay within 7 days of application.
Sevin XLR Plus (44.1% carbaryl)	2-3 pt	0.5-1.0	2.7-4.0	Allow 2-3 days for control to become effective. Do not apply within 14 days of harvest or grazing.
Blackhawk (38% spinosad) Tracer (44.2% spinosad)	1.1-2.2 oz. 1-2 oz.	.033-.065	7-14/lb. 64-128	No grazing restriction. Do not harvest hay within 3 days of application.

Fall Armyworm - *Spodoptera frugiperda*



Fall Armyworm Adults
Fall Armyworm Larvae



Key Characteristics of Larvae



(R) = Restricted use pesticide. Products in the shaded area of the table provide 2-4 weeks of residual activity.

Dr. Kelly Loftin, Extension Entomologist, Cooperative Extension Service, University of Arkansas, United States Department of Agriculture, and County Governments Cooperating. The University of Arkansas System Division of Agriculture offers all its Extension and Research programs and services without regard to race, color, sex, gender identity, sexual orientation, national origin, religion, age, disability, marital or veteran status, genetic information, or any other legally protected status, and is an Affirmative Action/Equal Opportunity Employer. Mention of trade names implies no endorsement of named products or criticism of products not named.