

Austin County Ag Newsletter

July 2021

MULTI-COUNTY NEW LANDOWNERS SEMINAR SERIES

The August meeting for the 2021 series will take place on Friday, August 20, 2021, at the Washington County Expo Sales Facility in Brenham! Beekeeping continues to be a hot topic, especially for medium to small acreage landowners. Before you jump in head-first and order the equipment and a hive of bees, come learn what to expect! We will hear from several area beekeepers on what it takes to raise honeybees in this area of Texas, some of the challenges they face, and what they've found to be good solutions. In addition to bees we will take a portion of the afternoon to talk trees! In Texas and especially in our part of Texas trees are a valuable commodity that landowners care about and strive to keep them healthy and vigorous. Come learn about tree biology, how to recognize common tree problems, and how to manage for tree health. We will "leaf" no question unanswered, discussing planting, pruning, watering, fertilizer, insect and disease control. Don't miss this wonderful opportunity! Two CEUs (1 General, 1 IPM) will be offered for all licensed pesticide applicators.

The meetings begin at 1:30 pm and will last between 4 and 5 hours depending on the topic. The cost for the program is \$20.00 per person. Continuing Education Units (CEU's) for pesticide applicators will be offered as they are applicable.

- September 17th Horticulture Production Fruit Trees, Pecans, and Grapes for Landowners
- October 15th Wildlife Management and Native Prairie Restoration
- November 19th Emerging Issues for Rural Landowners

For more information, please contact the Texas A&M AgriLife Extension Office in Austin County (979-865-2072), Colorado County (979-732-2082), Fayette County (979-968-5831), or Washington County (979-277-6212). Registration materials and more information can also be found on our website, https://washington.agrilife.org/ag/nlo/



Private Applicator Trainings



If you plan on using a state limited use or state restricted use pesticide, such as Grazon P+D, 2 4- D, Weedmaster, etc., and need a license, the Texas AgriLife Extension Service will be sponsoring a Private Applicator Training and Testing throughout 2021 at the Austin County Extension office. Books and study materials for the course can be purchased from the Extension office ahead of time or the day of for \$40. Registration is \$10 for the training. The registration fee will include the training and additional study materials. The training will begin at 1:00 pm and conclude by 5:00 pm. The Texas Department of Agriculture, who oversees the testing and administration of Applicator Licensing, has contracted with PSI Services to administer the exam for agriculture pesticide applicator licensing. Applicants will coordinate testing with PSI at one of their 22 locations around Texas. Details on the process, locations, cost, and other pertinent information will be provided at the training to help applicants complete the licensing process. See Flyer for details on Page 4.

Mark Your Calendars for Upcoming Events

- July 9th: Feathers, Furs, & Farming-Hunting Leases & Ask the Game Warden, American Legion, Sealy, 1pm
- July 29th: Ft. Bend Vegetable Conference-Virtual, 3 CEU's, 9am
- July 30th: Private Applicators Training, Austin County Extension Office, 12:45 pm
- August 1-30: Collection of Hay Samples for Hay Show
- August 2nd-4th: Texas A&M Beef Cattle Short Course—College Station
- August 20th: New Landowners Series Bees & Trees for Homeowners, Washington County Fairgrounds, 1:30pm
- August 27th: Austin County Fall Horticulture Conference, American Legion, Sealy, 1pm
- September 17th: New Landowners Series- Fruit Trees, Pecans, Grapes, The Vine, New Ulm 1:30pm
- October 8th: Fall Forage Program, & Hay Show, Austin County Fairgrounds, Bellville, 9am
- October 8-17th: Austin County Fair—Extension Office will be closed due to Agents & Staff working out at the fair

FALL ARMY WORMS

by Allen Knutson, Extension Entomologist, Texas A&M AgriLife Extension

The fall armyworm, Spodoptera frugiperda, is a common pest of bermudagrass, sorghum, corn, wheat and rye grass and many other crops in north and central Texas. Larvae of fall armyworms are green, brown or black with white to yellowish lines running from head to tail. A distinct white line between the eyes forms an inverted "Y" pattern on the face. Four black spots aligned in a square on the top of the segment near the back end of the caterpillar are also characteristic of fall armyworm. Armyworms are very small (1/8 inch) at first, cause little plant damage and as a result infestations often go unnoticed. Larvae feed for 2-3 weeks and full grown larvae are about 1 to 1 1/2 inches long.

Note V- or Y-shaped marking on head.

Given their immense appetite, great numbers, and marching ability, fall armyworms can damage entire fields or pastures in a few days.

Once the armyworm larva completes feeding, it tunnels into the soil to a depth of about an inch and enters the pupal stage. The armyworm moth emerges from the pupa in about ten days and repeats the life cycle. The fall armyworm moth has a wingspan of about 1 1/2 inches. The front pair of wings is dark gray with an irregular pattern of light and dark areas. Moths are active at night when they feed on nectar and deposit egg

masses. A single female can deposit up to 2000 eggs and there are four to five generations per year. The fall armyworm apparently does not overwinter in north Texas, but survives the winter in south Texas. Populations increase in south Texas in early spring and successive generations move northward as the season progresses.

Management. Fall armyworm outbreaks in pastures and hay fields often occur following a rain which apparently creates favorable conditions for eggs and small larvae to survive in large numbers. Hay fields with a dense canopy and vigorous plant growth are often more susceptible to armyworm infestations than less intensely fertilized and managed fields. Irrigated fields are also susceptible to fall armyworm infestations, especially during drought conditions. Also monitor volunteer wheat and weedy grasses in ditches and around fields which may be a source of armyworms that can move into the adjacent crop.

Look for fall armyworm larvae feeding in the crop canopy during the late evening and early morning and during cool, cloudy weather. During hot days, look for armyworms low in the canopy or even on the soil surface where they hide under loose soil and fallen leaves. A sweep net is very effective for sampling hay fields for fall armyworms. When fields are wet with dew, armyworms can stick on rubber boots worn while walking through the field. Small larvae chew the green layer from the leaves and leave a clearing or "window pane" effect and later notch the edges of leaves.

The key to managing fall armyworms is frequent inspection of fields to detect fall armyworm infestations before they have caused economic damage. Once larvae are greater than 3/4 inch long, the quantity of foliage they eat increases dramatically. During their final 2-3 days of feeding, armyworms consume 80% of the total foliage consumed during their entire development.

The density of armyworms sufficient to justify insecticide treatment depends on the stage of crop growth and value of the crop. Seedling plants can tolerate fewer armyworms than established plants. Infestations of more than 2-3 armyworms (1/2 inch or longer) per square foot may justify an insecticide application. If practical, apply insecticides early in the morning or late in the evening when armyworm larvae are most active and therefor most likely to come into contact with the insecticide spray. If the field is near harvest, an early harvest, rather than an insecticide treatment, is an option.

Always read and follow all label instructions on pesticide use and restrictions. Information below is provided for educational purposes only:

Active ingredient	Insecticide	Pre-grazing interval (days)	Pre-harvest interval for hay (days)	Remarks
beta-cyfluthrin	Baythroid	0	0	Restricted use
carbaryl	Sevin 4F, Sevin 80S, Carbaryl 4L, Sevin XLR Plus	14	14	General use
chlorantraniliprole	Prevathon, Coragen	0	0	General use
chlorantraniliprole + lambda-cyhalothrin	Besiege	0	7	Restricted use
cyfluthrin	Tombstone	0	0	Restricted use
diflubenzuron	Dimilin 2L	None listed	1	Restricted use; apply at egg hatch and larvae are less than ½ inch long
gamma-cyhalothrin	Declare	0	7	Restricted use
lambda-cyhalothrin	Warrior II, Karate, Lambda-cy, generics	0	7 for hay, 0 for forage	Restricted use
malathion	Malathion 57EC	0	0	General use
methoxyfenozide	Intrepid 2F	0	7	General use. Apply when first signs of feeding occur
spinosad	Tracer, Blackhawk	Allow spray to dry	3	General use; target small larvae or egg hatch
zeta-cypermethrin	Mustang Maxx	Allow spray to dry	0	Restricted use

Matthew Pfeifer Extension Agent Disaster Assessment and Recovery Washington, Austin, Fayette, and Colorado Counties



NOAA Weather Radio All Hazards: A New Look at an Old Technology

It has been four months since Winter Storm Uri crippled Texas. Although my position with Texas A&M AgriLife Extension encourages families and businesses to prepare for disasters, the storm highlighted weaknesses in my own family's preparedness plan. Since the passing of the storm, I have reflected on ways we could have been better prepared. The utmost need I identified was an improved tool to receive hazardous weather updates.

I belong to the millennial generation. As the stereotype often suggests, I probably rely too much on electronic devices (especially those connected to the internet) for communication. While modern technology has proved to be invaluable for emergency warnings, it often relies on electricity for power and internet signal to transmit messages. After Winter Storm Uri caused rolling blackouts in my home for three days, this millennial took a new look at an "old" technology: NOAA Weather Radio All Hazards (NWR).

According to the National Weather Service's website, the National Oceanic and Atmospheric Administration (NOAA) provides NWR as a public service to provide weather forecast and warn of oncoming severe weather. When combined with the Federal Communication Commission's (FCC) Emergency Alert System, NWR becomes capable of providing emergency communication beyond weather related events to include manmade disaster and public safety warnings. To receive NWR signal, a special radio or scanner is required.

As mentioned, more recent technology such as cell phones can receive emergency alerts and are an important tool for receiving critical communication. Yet during a disaster, power outages as well as cell and internet service interruptions are prevalent. NWR provides a backup solution if more vulnerable communication services are damaged.



I recently purchased a small radio capable of receiving NWR as well as AM and FM signals. It can be charged by electrical outlet, solar power, or windup crank. It also has battery backup. I purchased it online for a price that would have been a fraction of my monthly cell phone bill. In the future, I will rest a little more assured knowing that I have a tool which will allow me to receive NWR emergency communication regardless of available power supply or cell service. Suddenly, what once seemed old is new again.

Access https://www.weather.gov/nwr&in_desc=NOAA+Weather+Radio/ to view more information on NWR. Visit texashelp.tamu.edu to view other disaster preparedness and response resources provided by Texas A&M AgriLife Extension.



Educational programs of the Texas A&M AgriLife Extension Service are open to all people without regard to race, color, religion, sex, national origin, age, disability, genetic information or veteran status.

The Texas A&M University System, U.S. Department of Agriculture, and the County Commissioners Courts of Texas Cooperating

Private Applicator Licenses Irainings for 2021



Prices:

Training-\$10

Books-\$40

(2 manuals)
Checks payable to:

Extension Program
Council (EPC)

Nonrefundable

Please RSVP to reserve your spot, space is limited

Phone: 979-865-2072 http://austin.agrilife.org Friday, April 30, 2021 Friday, July 30, 2021 Friday, November 30, 2021

Training is from 1pm to 5pm
Check in/Registration starts 15 mins prior
Date & Time are subject to change

Trainings will be conducted at
Texas A&M AgriLife Extension Service of
Austin County located at 800 E Wendt St.,
Bellville, TX 77418

The purpose of this training is to obtain a Private Applicator License from Texas Department of Agriculture (TDA). This license will enable the applicator to purchase and apply state limited use and federally restricted chemicals on his land or land he has control of for the purpose of production of agricultural commodities. All farm and ranch operators who do not have a Private Applicator's License to purchase "restricted use" pesticides (such as 2, 4-D, Grazon P+D, Tordon 22K, etc.) will need to attend this training.

If you are interested in obtaining a Private Applicator License Training, please contact the Austin County Extension office at (979) 865-2072 to RSVP and to purchase the manuals. You can also RSVP on https://austin.agrilife.org/event-registrations/

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Vegetable Conference Fort Bend Regional





FARM BUREAU















Variety Selection for Disease Management

Pesticide Comparison - Organic Vs Conventional

Organic Agriculture Opportunities and Challenges

Farm 3 Bill S

Online Registration ONLY via Eventbrite

Click here to register!

All registered attendees will receive meeting details Session will be held online via Zoom including the link to attend

Administrative Assistant ANR, by phone 281-633-7029 or For additional information, please contact Brandy Rader, by email brandy.rader@ag.tamu.edu

ary service or accommodation in order to participate in any Extension activities, are encouraged to contact the Fort Bend County Extension Office at 281-342-3034 for assistance five working days prior to activity. orientation, or gender identity. The Texas A&M University System, U.S. Department of Agriculture, and the County Commissioners Courts of Texas cooperating, Individuals with disabilities who require an auxil-Fexas A&M AgriLife Extension provides equal opportunities in its programs and employment to all persons, regardless of race, color, sex, religion, national origin, disability, age, genetic information, veteran status,

2021 BCSC Sessions

SUNDAY, AUGUST 1

8:00 A.M

- Veterinarian Continuing Education Training
- Managing the Ranch Horse

MONDAY, AUGUST 2

8:00 A.M.

 General Assembly for Instructions and Orientation

8:30 A.M

- Nutritional Management: "How Much Should I Feed my Cows?"
- Introduction to Cattle Production I
- Forages Management I
- Cattle Breeds and Breeding
- Pesticide Applicator Re-certification
- · Advanced Animal Health

12:00 P.M.

Lunch

1:30 P.M.

General Session

4:15 P.M.

Trade Show Social Hour

5:30 P.M.

Texas Aggie Prime Rib Dinner



TUESDAY, AUGUST 3

8:30 A.M.

- · Beef Cattle Health Management
- Ranching Around the World
- Forages Management II
- Nutritional Management: "How Much Should I Feed my Cows?"
- · Reproductive Management
- Cattle Marketing Marketing Commercial Calves
- Introduction to Cattle Production II

12:00 P.M.

Lunch

1:30 P.M.

- Landowner Rights: Ask an Ag Lawyer
- Ranch Management: Putting the Pieces of the Puzzle Together
- Vector Borne Disease Session: Flies, Gnats, Ticks
- Purebred Cattle Marketing
- Range Management Workshop: Balancing Rangeland Opportunities and Challenges
- Farm to Fork Finishing/Marketing Cattle on the Ranch
- Beef Cattle Research in Texas

WEDNESDAY, AUGUST 4

8:30 A.M.

- Tractor Safety, Hay Production and Sprayer Calibration
- Cattle Handling Demonstrations
- Beef Cattle Chute Side Demonstration
- Beef Cattle Business Management Workshop
- Beef Carcass Value Determination Workshop
- Brush Busters Demonstration

Click Here to Register

TEXAS A&M CGRILIFE

2021 Austin County 3 Hay Show 4 Fall Forage Seminar

Hay Sample entry forms & boxes are available at:

- Austin County Extension Office, Harrison Farm Service, and Linseisen's Feed & Supply Inc in Bellville
- Steinhauser's in Sealy
- Dudensing Farm Service in New Ulm
- Lindemann Store in Industry

Hay Samples collected August 1st-31st

Results available at the Fall Forage Seminar

Fall Forage Seminar

Austin County Fairgrounds

Friday, October 8, 2021

Registration: 8:30am - 9:00am

Program: 9:00am - 12:00pm

Cost: \$20 per person (lunch included)

Please RSVP by October 1st

For more information please visit the Austin County Extension Office website: <u>austin.agrilife.org</u> or contact the office, 979-865-2072

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Department of Agriculture, and the County Commissioners Courts of Texas Cooperating.



Bees & Trees for Homeowners

2021 Multi-County New Landowner Educational Series



Washington County Expo Sales Facility

1305 East Blue Bell Road Brenham, Texas 77833

Registration 1:00-1:30 pm Program 1:30-5:00 pm \$20 / person

To register online visit: https://washington.agrilife.org/nlo

Topics to be covered:

Bee Keeping Basics
 Trees for Texas Landowners

2 CEUs (1 IPM; 1 Gen)

For More Information Please Contact:

Stacie Villarreal

Austin County (979)865-2072 Austin.AgriLife.org

Laramie Kettler

Colorado County (979) 732-2082 Colorado. AgriLife.org

Scott Willey

Fayette County (979) 968-5831 Fayette.AgriLife.org

Kara Matheney

Washington County (979) 277-6212 Washington.AgriLife.org





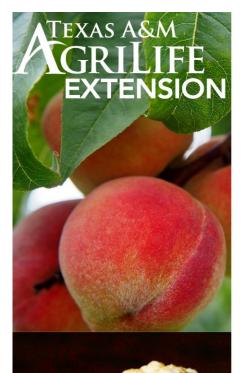








Somerville



Fall Horticulture Seminar

August 27, 2021

American Legion Hall

1630 Meyer St., Sealy, TX 77474

Registration: 1:00pm Program: 1:30pm-5pm \$20/person



- Planting Fall Vegetables
- Fruit Tree Care and Maintenance
- Citrus Tree Care and Maintenance
- Prepping Plants for Freezes

Speakers:

- Robert "Skip" Richter, CEA Brazos County
- Tim Hartmann, PhD, Extension Program Specialist
- Monte Nesbitt, PhD, Extension Program Specialist

RSVP by: August 25, 2021
Please call Texas A&M AgriLife Extension Service
of Austin County at 979-865-2072 to register
or visit our website at http://austin.agrilife.org



Individuals with disabilities who require an auxiliary aid, service or accommodation in order to participate in this activity are encouraged to contact the Extension Office in Austin County at least eight days prior to the program for assistance.

The members of Texas A&M AgriLife will provide equal opportunities in programs and activities, education, and employment to all persons regardless of race, color, sex, religion, national origin, age, disability, genetic information, veteran status, sexual orientation or gender identity and will strive to achieve full and equal employment opportunity throughout Texas A&M AgriLife.



Horticulture Production

2021 Multi-County New Landowner Educational Series



September 17, 2021

The Vine - Tasting Room 25200 Bernard Road

25200 Bernard Road New Ulm, Texas 78950

Registration 1:00-1:30 pm Program 1:30-5:00 pm \$20 / person

To register online visit: https://washington.agrilife.org/nlo

Topics to be covered:
Introduction to Fruit and Pecan
Production
Starting a Vineyard

2 CEUs

For More Information Please Contact:

Stacie Villarreal

Austin County (979)865-2072 Austin.AgriLife.org

Laramie Kettler

Colorado County (979) 732-2082 Colorado.AgriLife.org

Scott Willey

Fayette County (979) 968-5831 Fayette.AgriLife.org

Kara Matheney

Washington County (979) 277-6212 Washington.AgriLife.org















Somerville

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2021 Austin County Fall Forage Seminar & Hay Show

Sponsored by: The Austin County Beef & Forage Committee

Austin County Fairgrounds

Friday, October 8, 2021

Registration: 8:30am - 9:00am

Program: 9:00am - 12:00pm

Cost: \$20 per person (lunch included)

Topics/Speaker's

- Recalibration of Spray Equipment- Mark Matocha, PhD
- Pasture Management for Soil Health- Megan Clayton, PhD
- How to Judge your Hay Samples & Read your Results-Bobby Lane, PhD

2 CEU's provided to those with a pesticide applicator license (2 General)

Hay Show sample results available at the Fall Forage Seminar

Please RSVP by October 1st

For more information please visit the Austin County Extension Office website: austin.agrilife.org or contact the office, 979-865-2072

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Department of Agriculture, and the County Commissioners Courts of Texas Cooperating.

GRILIFE

Austin County Pecan Show

Sponsored by: The Horticulture Committee of Austin County

Entry Deadline: Monday, November 22, 2021, 9am

Texas A&M AgriLife Extension Service of Austin County 800 E Wendt St., Bellville, TX

Guidelines:

- Entries must be delivered to the Extension Office during normal business hours (8am-12pm & 1pm-5pm) beginning Monday, November 15th to Friday, November, 19th
- All entries must be submitted by 9am on Monday, November 22nd.
 No Late Entries Accepted!
- Each entry should have 50 uncracked pecans of the same variety
- Each entry MUST be in a brown paper bag labeled with entrant's name and entry form
 - Entry forms can be picked up at the Extension office or printed off the website (austin.agrilife.org)
- Entries are limited to one entry of each named variety per person
- Pecans must be from 2021 Crop
- No entry fee

All entries become property of the Austin County Horticulture Committee

Results will be available at the Pecan Program on 12/2/21

For more information please visit the Austin County Extension Office website: austin.agrilife.org or contact the office, 979-865-2072

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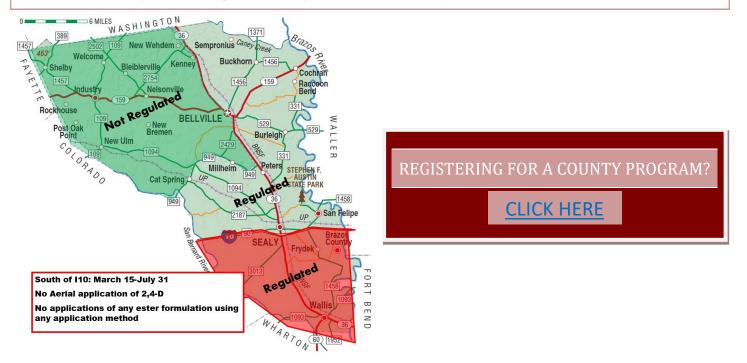
Department of Agriculture, and the County Commissioners Courts of Texas Cooperating.

SPRAY PERMITS REQUIRED FOR A PORTION OF AUSTIN COUNTY

As a reminder to anyone that will be using state limited use or state restricted use herbicides in Austin County, a permit to apply these herbicides must be obtained through the Texas Department of Agriculture if you plan on spraying in certain portions of the county. The following areas of Austin County must acquire a permit as is specified in the Texas Agricultural code, chapter 75,

- 1) Only that portion of Austin County lying east and south of the line beginning at the point where State Highway 36 crosses the north county line, thence southerly along Highway 36 to FM 949; thence westwardly along FM 949 to the San Bernard River is regulated by the Act, Subchapter G and regulations adopted thereunder.
- 2) Between March 15 and July 31, in that portion of Austin County lying south of Interstate Highway 10, the following restrictions on the use of 2,4-D formulations shall apply:
 - (A) the application by aircraft is prohibited
 - (B) the use of all ester formulations by any method is prohibited.

Permits may be obtained from the Texas AgriLife Extension Service of Austin County at (979) 865-2072. Forms can also be obtained by contacting the Texas Department of Agriculture Gulf Coast Regional Office in Houston at (713) 921-8200.



Please feel free to contact me if you have any questions.

Sincerely,

Stacie M. Villarreal

Texas A&M AgriLife Extension Service

County Extension Agent- Agriculture & Natural Resource-Austin County

1 East Main, Bellville, TX 77418 (Mailing Address)

800 E Wendt St, Bellville, TX 77418 (Physical Address)

Phone: 979-865-2072

stacie.villarreal@ag.tamu.edu

Austin.agrilife.org

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