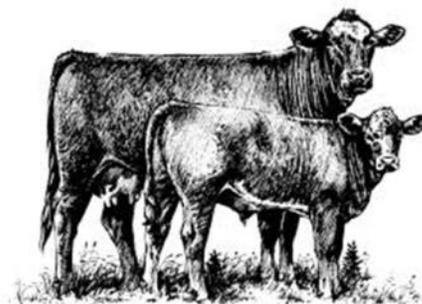


TEXAS A&M AGRILIFE EXTENSION

AgriLife Extension
411 N. Wells
Edna, TX 77957
361-782-3312
jackson@ag.tamu.edu



Volume XII, Issue I

Jackson County Agri-News

January 2017

Important Dates

- Jan 18—Western Rice Belt Conf. El Campo Civic Ctr.
- Jan 19—Grain Handlers Conf.—El Campo Civic Ctr.
- Jan 19—Jackson County Cattle Raisers Assoc. Banquet
- Jan 24—Texas Well Owner Network Program—Port Lavaca
- Jan 25—Lavaca River Watershed meeting—Auditorium
- Jan 26—Feed Grain & Cotton Conf.—Wharton Fairgrounds
- Feb 2—Re-certification Conf.—Wharton Fairgrounds
- Feb 3—Colorado Co. Beef & Forage 5 Hour CEU Conf.
- Feb 4—JCCRA Cattle Sale
- Feb 9—Pesticide App. Training

Jackson County Cattle Raisers Association

The Jackson County Cattle Raisers Association (JCCRA) is having their annual banquet on **Thursday, January 19, 2017** at the Jackson County Services Building Auditorium. Registration will start at 6:00 p.m. Door prizes will be given out after the program.

◆ **6:00PM-Registration**

◆ **6:30-Meal**

◆ **7:00-Program, Jason Bagley**, Texas Beef Council senior manager for beef quality and exports. Jason will explain new names for cuts of beef used in marketing, proper injection sites, and the impact the extra dollar in the Beef Check Off has had in importing beef in Texas.

◆ **Door Prizes**

The Jackson County Cattle Raisers Association works for youth development and beef/forage educational programs for all of Jackson County. The JCCRA is moving forward in sponsoring the Fourth Annual Premium Bull & Replacement Female Sale and Trade Show on Feb. 6th at the Edna Livestock Auction. The JCCRA works for youth development by sponsoring steer & commercial heifer awards at the Jackson County Youth Fair yearly. For 2016, **JCCRA also awarded 7 - \$1,000 scholarships** to qualifying individuals. The majority of participants in Jackson County Cattle Raisers Association functions have increased levels of understanding of all topics discussed at programs and have thereby increased the bottom line of their operations.



JACKSON COUNTY
CATTLE RAISERS
ASSOCIATION

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Colorado County Beef and Forage 5 Hour CEU Conference

The Colorado County Beef and Forage 5 Hour CEU Conference will be held February 3, 2017, at the Exhibit Hall in the Colorado County Fairgrounds. The program will offer 5 CEU credits for those producers who possess a private pesticide applicator's license. This year they will have the Texas State Climatologist, Dr. John Nielsen-Gammon, speaking at the event. His presentation will include how to read the weather and forecast for applying pesticides, better understanding your local forecast, and his long-term weather and climate outlook. There will also be a live demonstration of sprayer equipment, spray tips, booms, pressure regulation, pesticide mixing, and more. Other topics include Understanding Pesticide Labels, Being the Voice for Pesticide Stewardship, and a Laws and Regulations Update. Those interested may pre-register by January 30th, 2017 for \$25 per person and \$30 for couples. Registration at the event will be \$30 per person and \$35 for couples. To preregister or for more information, call the Colorado County Extension Office at 979-732-2082.

TEXAS A&M
AGRILIFE
 EXTENSION

WESTERN RICE BELT

Production Conference

TEXAS RICE COUNCIL ANNUAL MEETING

January 18, 2017 • El Campo Civic Center

Agenda

2.5 TDA CEUs
 CCA Credits Applied For

RICE TRADE SHOW
 Including booths from
 Conference Sponsors

EXHIBITS INCLUDE
 Equipment
 Seed Dealers
 Chemical Suppliers
 Other Rice Industry
 Products

CONTACT INFO
 Corrie Bowen
 979-532-3310

Stephen Janak
 979-732-2082

- 8:00 a.m. REGISTRATION**
- 8:15 a.m. Welcome - Judge Philip Spenrath**
- 8:20 a.m. Weed Control Update - Dr. Muthu Bagavathiannan**
- 8:50 a.m. Association Report: USA Rice**
- 9:05 a.m. BREAK**
- 9:30 a.m. Rice Disease Management Update - Dr. Shane Zhou**
- 10:00 a.m. TDA Pesticide Laws and Regs Update - Melissa Barton**
- 10:50 a.m. Financial Risk Management - Carrie Watts-Silveus**
- 11:00 a.m. Rice Market Inventory and Outlook - Thomas Wynn**
- 11:30 a.m. Insect Management - Dr. Mo Way**
- 12:00 p.m. LUNCH**
- Rice Poster Contest Results - Rachel Berry
 - Texas Rice Council Producer Elections - Ray Stoesser
- 1:00 p.m. Association Report: U.S. Rice Producers - Tommy Turner**
- 1:15 p.m. Rice Policy Update - Joe Outlaw**
- 1:45 p.m. Price Risk Management Tools - Dennis Delaughter**

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.

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 auxiliary aid, service or accommodation in order to participate in any Extension activity, are encouraged to contact the County Extension Office for assistance 5 days prior to the activity.

TEXAS A&M
AGRILIFE
 EXTENSION

UPPER GULF COAST GRAIN HANDLERS CONFERENCE

JANUARY 19, 2017 - EL CAMPO CIVIC CENTER

Preregister - \$20.⁰⁰

*By contacting the Colorado County
 Extension Office before January 13*

At the Door - \$25.⁰⁰

Registration - 8:00 am
 Program - 9:00-3:30 pm

5 CEUs

2 IPM, 2 Gen, 1 L&R

*(pending TDA approval)
 NO structural CEUs offered.*

**FOR MORE INFORMATION
 & TO REGISTER, PLEASE
 CONTACT:**

Colorado County
 Stephen Janak
 (979) 732-2082

Wharton County
 Corrie Bowen
 (979) 532-3310

Jackson County
 Mike Hiller
 (361) 782-3312



Program Topics and Speakers

Phosphine Management: Why are Insects Surviving Fumigation?

An Integrated Approach

Ed Hosoda - Cardinal Professional Products

TDA Pesticide Laws and Regulations Update

Greg Baker - Texas Department of Agriculture Pesticide Inspector

Live Insect ID for Stored Grain

Dr. Robert Bowling - Texas A&M AgriLife Extension Entomologist

Kate Harrell - Texas A&M AgriLife Extension IPM Agent

Fumigation Equipment Demonstration & Safety

Josh Behrens - Research Fumigation Company

Manlift Inspection, Maintenance, and Safety

Joshua Fairchild - Austin Elevator Company

Fall Prevention and Proper Use of Equipment

Richard Sommerlatte - Applied Industrial Technologies

IPM Speaker Panel; How to Stay "Bug-Free"

Rodney Teagler, Rice Belt Warehouse

Terry Pitts, Central Life Sciences

Greg Baker, Texas Department of Agriculture

Steven Craig, United Ag - United Ag

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 Co-operating. Individuals with disabilities who require an auxiliary aid, service or accommodation in order to participate in this meeting are encouraged to contact the County Extension Office at (979) 732-2082 prior to the meeting to determine how reasonable accommodations can be made.

Water Well Owners Educational Event



Tuesday, January 24, 2017
8:30 a.m.— 3:30 p.m.

Calhoun County Extension Office
186 Henry Barber Way
Port Lavaca, TX

TEXAS WELL OWNER NETWORK PROGRAM

The Texas Well Owner Network (TWON) program is a free, educational training for Texas residents who depend on household wells for their water needs. TWON is for private well owners who want to become familiar with groundwater resources, septic system maintenance, well maintenance, water quality and water treatment. Private well owners are independently responsible for monitoring the quality of their wells. Essentially, they are the operators of their own water system and are responsible for ensuring that their water is safe.

BRING YOUR WELL WATER SAMPLES!

Well owners may bring water samples to the training to be screened for nitrate–nitrogen, total dissolved solids (TDS) and *E. coli* bacteria for \$10. Pick up approved sample containers with instructions at the [Calhoun](#), [Victoria](#), [Jackson](#) or [Matagorda](#) County Texas A&M AgriLife Extension offices or the Style Beauty Salon, 122 Hwy 35N. in Tivoli. Bring your samples and payment of \$10 to the training on January 24th.

Each participant will receive free *AgriLife Extension* publications related to private wells and septic systems.

Pre-register for the workshop at

<http://twon.tamu.edu/training/> or call **979-845-1461**



Funding provided through a Clean Water Act Section 319(h) grant from the Texas State Soil and Water Conservation Board and the U.S. Environmental Protection Agency.

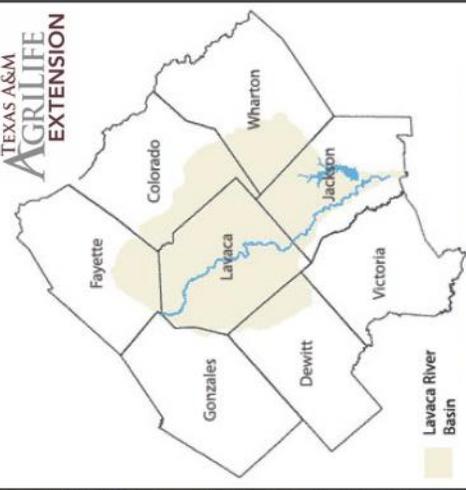
TEXAS Watershed Steward



The Texas Watershed Steward program is a free educational workshop designed to help watershed residents improve and protect their water resources by getting involved in local watershed protection and management activities.

**January 25, 2017:
1:00 pm - 5:00 pm**

Jackson County Services Building
411 North Wells Street
Edna, TX 77957



Edna, TX

Workshop provided through Clean Water Act 319 nonpoint source grant funding from the TWSSWCB and U.S. EPA

The workshop will provide an overview of water quality and watershed management in Texas, including a discussion on the Lavaca River watershed and efforts by the Texas Water Resources Institute and area residents to improve and protect it. Lite refreshments will be provided. Free continuing education credits are offered for a wide variety of professional disciplines ranging from licensed Texas Department of Agriculture pesticide applicators to select TCEQ occupational license holders. For a complete list of CEUs offered, or to register, visit our website or call the number below.

<http://tws.tamu.edu/>

Pre-register for the workshop by going to:
<http://tws.tamu.edu/workshops/registration/> or calling
979.862.4457





**TEXAS A&M
AGRI LIFE
EXTENSION**

**2017 UPPER GULF COAST
FEED GRAIN
& COTTON
PRODUCTION CONFERENCE**

JANUARY 26, 2017

CRESCENT HALL - WHARTON COUNTY FAIRGROUNDS - WHARTON, TX

Registration 8:30 a.m.

Feed Grain Conference 9:00 a.m. - 12:30 p.m. || Cotton Conference 1:00 p.m. - 3:30 p.m.

4 TDA CEUS (2 IPM, 1 L&R, 1 General) Applied for - 6 CCA Hours Applied for

FEED GRAIN CONFERENCE

- 9:00 **Southern Rust in Grain Crops**
Tom Isakeit, Extension Plant Pathologist
- 9:30 **Precision Ag - Speaker Panel**
Extension Specialists & Local Producers
- 10:15 **Feed Grain Economics**
Dr. Rob Hogan, Extension Economist
- 11:00 **Pesticide Laws and Regulations Update**
Greg Baker, TDA Pesticide Inspector
- 12:00 **Update on Sorghum/Sugarcane Aphid on Sorghum**
Robert Bowling, Extension Entomologist



RSVP by
12 Noon
JANUARY 25,
2017

12:30 LUNCH PROVIDED BY SPONSORS

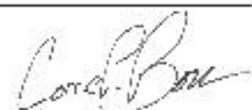
COTTON CONFERENCE

- 1:00 **Nitrogen Management in Cotton**
Jake Mowrer, Extension Soils Specialist
- 1:30 **Bollworm Outbreak of 2016**
Robert Bowling, Extension Entomologist
- 2:00 **Weed Management in Cotton**
Josh McGinty, Extension Agronomist
- 2:30 **RACE Trial Update/Potassium Trial Update/Other**
Dr. Gaylon Morgan, Extension Cotton Specialist
- 3:00 **Cotton Disease Update**
Tom Isakeit, Extension Plant Pathologist



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CORRIE BOWEN
County Extension Agent - Wharton County
315 E. Millam, Ste. 112, Wharton, TX 77488
979-532-3310 - Fax: 979-532-8863





2017 WHARTON COUNTY TDA PESTICIDE APPLICATOR RE-CERTIFICATION CONFERENCE



FEBRUARY 2, 2017

WHARTON COUNTY FAIRGROUNDS • CRESCENT HALL

REGISTRATION: 8:00 a.m. — 9:00 a.m.

PROGRAM: 9:00a.m. — 3:00 p.m.

FEE: \$35/PERSON • LUNCH INCLUDED

PROGRAM TOPICS

- TDA PESTICIDE LAWS & REGULATIONS UPDATE
Dr. Don Renchie — Associate Professor and Extension Specialist
- WORKER PROTECTION STANDARD LAW
Greg Baker — TDA Pesticide Inspector
- HERBICIDE APPLICATION METHODS AND MODES OF ACTION
Rob Brooks — Range and Pasture Specialist, Dow AgroSciences
- INTEGRATED PEST MANAGEMENT OF AQUATIC WEED CONTROL
Peter Woods — Extension Program Specialist II
- FLATSEDGE, WEEDS, HUISACHE& ROSEHEDGE CONTROL
Dr. Megan Clayton — Assistant Professor and Extension Range Specialist

The program will include 2 CEUs in Laws and Regulations, 2 CEUs in Integrated Pest Management, and 1 General CEU. No Structural Credits Offered.

To register, return the attached Registration Form and your payment by January 31st to:

WHARTON COUNTY EXTENSION OFFICE

Attn: Stacey Shanks
315 E. Milam, Suite 112
Wharton, TX 77488



CORRIE P. BOWEN

Wharton County Extension Agent
Agriculture and Natural Resources
315 E. Milam, Suite 112
Wharton, TX 77488
979-532-3310

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Veterinary Feed Directive

The VFD is part of the U. S. Food and Drug Administration's regulation of use of antibiotics in livestock. These regulations are designed to 1) promote prudent antibiotic use, 2) protect human health, and 3) restrain development of resistance in microbes to antibiotics. The VFD (which will go into effect October 1, 2015, and must be fully implemented by January 1, 2017) addresses the use of drugs in feeds for livestock. Current focus is on antimicrobials that are considered medically important, that is, have applications in human medicine.

Important provisions of the VFD rule:

1. ends the use of medically important antimicrobials to enhance livestock performance;
2. transitions many of the antimicrobials in feed that are currently available "over-the-counter" (OTC) into the VFD drug category;
3. places the use of VFD animal drugs in or on animal feed under professional supervision of a licensed veterinarian;
4. requires producers to obtain written VFD orders from a licensed veterinarian to purchase and utilize VFD antimicrobials on or in feed.

To purchase and use VFD materials, producers must receive a signed and written (not oral) authorization (a VFD order) from a licensed veterinarian. To obtain a VFD order, there must be an established veterinary-client-patient relationship (VCPR). A VCPR requires that 1) the veterinarian assumes responsibility for medical judgments of livestock and the client agrees to follow their instructions, 2) the veterinarian has sufficient knowledge of an animal's condition in order to properly diagnose medical status, and 3) the veterinarian is readily available for follow-up care. A valid VCPR **can not** be established solely by telephone or electronic means.

Watch for Lice as Winter sets in

Wintertime is high time for lice infestations. If you see evidence of scratching or rubbing, the time to act is now. As any rancher who has dealt with a lice outbreak in his herd knows, lice are largely a winter problem. When lice populations are heavy enough to cause cattle to be visibly scratching, we know that the animals are not performing optimally, whether they are feeder cattle or pregnant cows about to calve and start lactating.

Other operations, such as purebred breeders, are also interested in the cosmetic effects of hair loss. These operations, whether they can actually see signs of lice or not, should consider a January or February treatment for lice, to knock populations down before the cattle get to the point of rubbing and itching.

Lice infest cattle all year, but numbers are usually low in summer because most of them are shed off in the spring with winter hair and don't survive well in hot temperatures. Producers generally don't need to treat if a few show up in late March or early April, because the population won't grow at that late date. Even on untreated cattle, lice numbers are dropping at a rapid rate by that time. Lice don't survive very well in heat. If the cow is standing in bright sunlight in summer, the temperature on the skin may go up to 115 to 120 degrees F. Lethal limit for adults and eggs is about 104 degrees F. Adult lice are dying off and not reproducing, so the population crashes when weather warms up.

Some animals, due to poor immune function or other factors, are more vulnerable to extensive lice populations, and transmit lice to the other cattle in the herd. This is the old 80-20 rule; about 80% of the cattle don't have lice and 20% do, for some reason. The carrier animals always have heavy loads, and general recommendation is to cull those. Cattle with lice readily pass them to herdmates through direct contact, since cattle are social animals.



**JACKSON COUNTY CATTLE RAISERS ASSOCIATION
PREMIUM BULL & REPLACEMENT FEMALE SALE & TRADE SHOW
Saturday, February 4, 2017**

The Jackson County Cattle Raisers Association (JCCRA) would like to invite you to be a part of our 5th Annual Premium Bull and Replacement Female Sale at 1:00 pm on Saturday, February 4, 2017 at the Edna Livestock Auction Barn. The JCCRA, in cooperation with the Jackson County Beef Cattle Committee and Mike Hiller, Jackson County CEA, have embarked on this project to help area producers have a place to sell their quality animals and aid our local producers in having a place to buy quality replacement cattle.

Our sale last year at the Edna Livestock Auction saw a huge crowd with very active bidding for over 350 head of replacement cattle. Forty-nine bulls sold for an average of \$3479. One hundred pairs sold in 26 lots for an average of \$2,456, while 132 bred females sold in 35 lots for an average of \$2038, and 54 open heifers sold in 18 lots for an average of \$1644 Total sales were over \$830,000.00.

The JCCRA Sale Coordinator was very pleased with the results of the Sale attributed the success to beautiful weather and the excellent Sale Management Team of Gulf Tex Livestock. Also the Edna Livestock Auction proved to be a more favorable venue for the Sale.

We are presently contacting possible consignors for this sale. The cattle will come in on Friday and will be available for viewing on Friday and Saturday. Gulf Tex Livestock Marketing will be our sale manager. We are excited to work with Billy Schwertner and his partner's again this year. For consignment forms, please go their website at: www.gulftexlivestock.com/, or call: 979-482-2018

This Sale will be held at the Edna Livestock Auction Barn one mile north of Edna on Hwy 111. All cattle will be in covered pens. There will be a social and meal on Friday evening for consignors, sponsors, and prospective buyers.

We are asking for your support of this event with your consignments. With the cattle numbers down there is still a demand for replacement livestock. We want to continue to present high quality cattle in our sale and need your consignments. All cattle will be screened by Gulf-Tex before the Sale. The price of replacement cattle has been at an all time high. Anyone interested in consigning cattle or would like more information can contact the Gulf-Tex Livestock Marketing Team at 979-482-2018 or Lynn Utz at 361-782-3403. We are very excited about this fifth sale and hope to keep improving it each year. We are anticipating your participation in our sale.

Sincerely,
Lynn Utz,
President & Sale Coordinator
Jackson County Cattle Raisers Association

TEXAS A&M
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Proper Body Condition Scores

Getting or keeping cows in proper body condition throughout the winter can optimize pregnancy rates the following season. Dr. Jason Banta, beef cattle specialist, Overton, said cows with proper body condition scores at calving are more likely to breed back and produce healthy calves in the future. Proper nutrition and supplementation are two keys to keeping cows in good shape.

Supplemental feeding during winter months is critical to ensure cows are in optimal condition for pregnancy, calving and future breeding. Banta said 2- and 3-year-old cows should have a body condition score of 6 or better at calving. Cows 4-years-old and older should be in a body condition score of 5 or greater at calving.

Cows with a body condition score of 5 should display abundant muscle tissue. Ribs are noticeable but overall fat cover is lacking. Hooks and pins are less obvious and hips and backbone are slightly rounded versus a sharp appearance, according to the AgriLife Extension overviews.

A body condition score of 6 represents cows that are ideal at calving. Ribs are covered completely with fat and beginning to cover the rump, and muscle tissue is at its greatest. For more body score information, go to: <http://bit.ly/2hpHOWJ>.



Hay should be tested for nutritional quality, which will give producers the necessary information to help determine supplementation requirements, Banta said. Any supplementation plan should be based on three primary criteria – the nutrient requirements of the animal, the quality of available hay or roughage, and the current condition of the cows.

Winter supplementation will depend greatly on what stage of production the cow is in, Banta said. Lactating cows require different amounts of supplementation than dry cows, those pregnant but not nursing a calf. “When evaluating pasture or hay, consider the nutrient requirements of the cow,” Banta said. <https://youtu.be/PVqikryt2f8>. For example, to maintain its body condition, a lactating cow would require hay that is about 11.5 percent protein and 62-63 percent total digestible nutrients, or TDN. A dry cow in late gestation would need about 8 percent protein and 55 percent TDN.

Producers should select supplements based on the cost per unit of nutrient needed, Banta said. Cubes are a common supplement used by many producers. If both energy and protein supplementation are needed, a 20 percent cube would likely be most cost effective, he said. However, if only a protein supplement is needed, then a 40 percent cube is more cost effective.

Banta said producers should start slow and build up with supplements, such as concentrates and grains, because cows are designed to consume grasses. It’s also important to feed them supplements consistently each day to avoid digestive problems such as acidosis, which can lead to founder, foot abscesses, damage to the rumen lining damage, or death. He recommends starting with no more than 2 pounds of supplement per cow per day and slowly building up from there.

Banta said producers should watch manure patties to monitor cows’ protein intake. “If patties look like they are stacking up and are firm, that tells us we need more protein supplement”. A 40 percent cube is a good concentrated supplement source of protein. Generally speaking, if cows are in good condition then 1-1.5 pounds of a 40 percent cube or something similar is a good place to start for dry cows; 2-3 pounds per day would likely be needed for wet cows. If cows also need energy, then something like a 20 percent cube could be a good option. With average quality hay, a common feeding rate for dry cows would be about 2-3 pounds per day per cow or 4-6 pounds for wet cows.

“Feeding amounts really depend on hay quality and other factors, so for more information I recommend visiting with a nutritionist or an AgriLife Extension beef cattle specialist,” Banta said.

2017 District 11 Texas Crop and Livestock Budgets

The District 11 – Coastal Bend and Upper Gulf Coast 2017 Crop, Forage, and Livestock Enterprise Budgets are now on-line for all producers to use. The budgets are located on the District 11 web-page under the AG/NR Program and Agricultural Economics tabs. A link is listed below.

<http://agecoext.tamu.edu/2017-district-11-texas-crop-and-livestock-budgets/>

Forage Crops

[Coastal Bermudagrass Hay and Grazing \(3 Cuttings\)](#)

[Coastal Bermudagrass Pasture](#)

[Sorghum Hay \(2 Cuttings\)](#)

Field Crops – Irrigated

[Cotton – Genetically Modified Seed, Conv. Till-24 Row, Irrigated, 1250 lb. Yield Goal](#)

[Sesame – Conventional Till-12 Row, Irrigated, 1100 lb. Yield Goal](#)

[Sorghum – Conventional Till-24 Row, Irrigated, 100 bu. Yield Goal](#)

[Hard Red Spring Wheat, Irrigated, 60 bu. Yield Goal](#)

Field Crops – Lower Coast Dryland

[Canola, Dryland, 1500 lb. Yield Goal](#)

[Cotton – Conventional Seed, Till-24 Row, Dryland, 800 lb. Yield Goal](#)

[Cotton – Genetically Modified Seed, Conv. Till-24 Row, Dryland, 800 lb. Yield Goal – Lower Coast](#)

[Sesame – Conventional Till-12 Row, Dryland, 800 lb. Yield Goal](#)

[Sorghum – Conventional Till-24 Row, Dryland, 72 bu. Yield Goal](#)

[Hard Red Spring Wheat, Dryland, 35 bu. Yield Goal](#)

[Hard Red Spring Wheat, Dryland, 35 bu. Yield Goal, Northwest](#)

Field Crops – Upper Coast Dryland

[Corn – GMO Seed, Conventional Till-12 Row, Dryland, 100 bu. Yield Goal](#)

[Cotton – GMO Seed, Conv. Till-12 Row, Dryland, 900 lb. Yield Goal](#)

[Sorghum – Conventional Till-12 Row, Dryland, 90 bu. Yield Goal](#)

[Soybeans – GMO Seed, Conventional Till-12 Row, Dryland, 30 bu. Yield Goal](#)

[Soft Red Winter Wheat, 45 bu. Yield Goal](#)

Rice

[Rice West of Houston, 1st Crop, Surface Water](#)

[Rice West of Houston, 2nd Crop, Surface Water](#)

Livestock

[Cow-Calf Improved Pasture](#)

Build Your Own Budgets:

[Spreadsheet Budgets*](#) ([Spreadsheet Budget Help Video](#) – best viewed in full screen)

[Machinery Cost Estimator](#) (calculate your machinery cost)

Agri-News Trivia

Did you know?

- American agriculture industry supports **23 million U.S. jobs**, making them the largest employer in the nation.
- *Texas has more cattle on feed than Australia and Canada COMBINED.*
- Texas women operated 38,452 farms and ranches. That's higher than the total number of farms and ranches in 28 other states. Farms operated by Texas women account for over 12 million acres.

Private Applicators License Training

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 A&M AgriLife Extension Service will be sponsoring a Private Applicator Training at 8:00 AM on **Thursday, February 9, 2017** at the Jackson County Extension Office. Books and study materials for the course need to be purchased ahead of time for \$50.00 at the Extension Office. The exam can be taken a location of your choice. If you complete the training portion and score a 70 or above on the examination, you will be eligible to apply for your Private Applicator License, which will allow you to purchase all state limited use and restricted use pesticides used in agriculture. To reserve your spot at the training, contact the Jackson County Extension Office at (361) 782-3312.



Real Learning for Real Life



Newsletter by E-Mail

Due to increased postage costs, we would like to make future newsletters and announcements available to you electronically. If you would like to receive future information by email send an email to mrhiller@ag.tamu.edu. Benefits of having your newsletter sent through e-mail are: pictures and graphs will be in color, easy to store on your computer, no papers to mess with, click-able links to other internet sites, and sooner access.

Mike Hiller, CEA-Ag/NR



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Texas A&M AgriLife Extension Service Jackson County

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