

Listed below are upcoming educational events offered by Texas A&M AgriLIFE Extension Service:

- ◆ ****TOMORROW**** Private Applicator Training – Washington County Extension Office Conference Room – **July 1, 2016 (Flyer Attached) (NO CEUs)**
- ◆ Backyard Basics, Organics, and Myth Buster 5 Hour CEU Seminar – Cat Spring Ag Hall – **July 8, 2016 (Flyer Attached) (5 CEUs)**
- ◆ Beef Cattle Short Course – Texas A&M University – **August 1-3, 2016 (Brochure Attached) (7 CEUs)**
- ◆ Multi-County New Landowner Educational – Weed and Brush Control – Washington County – **August 19, 2016 (Brochure Attached) (3 CEUs)**
- ◆ Texas Sheep and Goat Expo – San Angelo Fairgrounds, San Angelo, Texas – **August 19-20, 2016 (Flyer Attached)**
- ◆ Gardening Lunch-N-Learn Series – Gardening in the Hell Strip – Washington County Fairgrounds Sales Facility – **September 6, 2016 (Flyer Attached)**
- ◆ 2016 Agricultural Custom Rate Survey – Excellent Resource for Evaluating Farm/Ranch Costs
- ◆ NEW Non-Emergency Number for Washington County
- ◆ Weed of the Week: Grassbur (field sandbur, sandbur, etc.)
- ◆ Cattle Fever and Fever Ticks – by Dr. Joe Paschal
- ◆ Wild Pig Newsletter – Summer Edition (**Attached**)

Private Applicator Training – Extension Office Conference Room – Friday, July 1, 2016

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 on Friday, July 1, 2016 at the Washington County Extension Office, 1305 E Blue Bell Road, Brenham. Books and study materials for the course need to be purchased ahead of time for \$40.00 at the Extension Office. A registration fee of \$10.00 will be charged for the training. The registration fee will include the training, additional study materials, refreshments, and breakfast. The training will begin at 8:30 am and conclude at approximately 12:30 pm.

The Texas Department of Agriculture who over sees 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. Once an applicant has completed the training, and pass the exam with a score of 70 or above, they 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.

In preparation for the training please remember these important things:

1. Please be sure to purchase the TWO study guides before the class. These manuals are required by Teas Department of Agriculture and will cost \$40/set and are available at the Extension Office in Brenham. You can purchase your study guides from any county office but will be asked to pay the training fee for the day of the event.
2. The training will begin at 8:30am and should conclude around 12:30pm. We will provide a folder of reference material, breakfast, coffee, and a variety of drinks. The cost for the training will be \$10/person.
3. At the conclusion of the training you will be eligible to apply for your license through the TDA. We will have the forms available for you to complete and we will be glad to mail them off for you or you can mail them on your own. TDA will require the application form and \$60 for your license.
4. Once TDA has processed your application and verified your training they will ask the Regional Testing Center to contact you to schedule your Applicator Exam. You will not be permitted to take the exam prior to completing the training, submitting the application, and being contacted by the Testing Center.
5. After you have passed your exam TDA will mail you a license and you can begin to purchase restricted use pesticides as well as begin accruing CEUs toward your recertification.

For more information and to reserve your spot at the training, contact the Texas A&M AgriLIFE Extension Office of Washington County at (979) 277-6212.

Online Training Available - \$75 for Training and Books – No Notes or Study Material Provided – No Refund
<https://agriliferegister.tamu.edu/index.cfm/productDetails/ProductID/1730/>

Beginning in March of 2015 the required Private Applicator Training became available online. This course is designed for people in Texas who wish to obtain a Private Pesticide Applicator License with the Texas Department of Agriculture (TDA). Along with access to the on-line course, you will also receive the Texas Private Applicator Manual (B-1648) as well as the laws and regulations manual (B-5056), shipped via Fed Ex (3-5 day ground) within 2-3 business days of registration. Upon successful completion of the course you will be able to print an electronic version of the D-1411 to send to the TDA along with your application for licensing. A private pesticide applicator is someone who uses or supervises the use of restricted-use or state-limited-use pesticides or regulated herbicides to produce an agricultural commodity on:

- ♦ Personally owned property, rented property, property owned by his or her employer, property under his or her general control or, the property of another person if applied without compensation, other than the trading of personal services between producers of agricultural commodities.

An agricultural commodity is a plant or animal grown for sale, lease, barter, feed or human consumption and animals raised for farm or ranch work. No license is required to apply general-use pesticides to produce agricultural commodities. Important: If an applicant has any questions about licensing or exam categories, please contact TDA at 1-800-835-5832 or 512-463-7622. Texas Department of Agriculture – Agriculture Pesticide Program P.O. Box 12847 Austin, TX 78711.

Private Applicator Q&A Corner

I never received my license renewal?

- ♦ The most common cause for not receiving a license renewal form is that the license holder did not notify TDA of a change of address. According to the TDA Laws and Regulations it is the responsibility of the applicator to notify TDA within 30 days of any change of address.

Can I carryover my CEUs from one cycle to the next?

- ♦ No. CEUs received during any one or five year re-certification cycle may only be applied to the cycle in which they were received. TDA does not allow CEUs to be carried forward.

Private Applicator Facts!

Private Applicator -- A person who uses or supervises the use of restricted-use or state-limited-use pesticides for the purpose of producing an agricultural commodity on property owned or rented by the person or the person's employer or under the person's general control; or on the property of another person if applied without compensation other than the trading of personal services between producers of agricultural commodities. An agricultural commodity is defined as a plant or animal grown for sale, lease, barter, feed or human consumption and animals raised for farm or ranch work. Private applicator licenses are valid for five years, and the applicator must obtain 15 CEUs during that time to renew.

Private Applicator Certificates -- From 1977 through 1989, TDA issued private applicator certificates (not licenses) under a voluntary program. Private applicators who originally obtained a private applicator certification prior to January 10, 1989, were "grandfathered" by the legislature, meaning the certificate does not expire; however, in 1989 the Texas Pesticide Regulations were revised to require recertification for all applicators, including certified applicators, in order to purchase or use restricted-use or state-limited-use pesticides. The original "grandfathered" certificates had an issue number of 158532 or below. Because of computer advancements, when the original certificate is recertified, the applicator is given a new certificate number. Certified private applicators may not supervise an application of restricted-use or state-limited-use pesticides. Certificate holders must obtain 15 CEUs every five years to keep the certificate valid.

Backyard Basics, Organics, and Myth Buster 5 Hour CEU Seminar – Cat Spring Ag Hall – July 8, 2016

What does sustainability mean? Do you have questions about sustainability as it applies to agriculture? Interested in learning more about “going back to the basics” with a garden, poultry, livestock or landscape? Join us on Friday, July 8, 2016 at the Cat Spring Ag Hall in Cat Spring, Texas. The day will be chalked full of great information, handouts, tradeshow vendors, and of course wonderful food! **PLUS – this a great chance for all pesticide applicators to earn five (5) CEUs (2 General, 1 IPM, and 1 L/R) toward the renewal of the applicator license.**

The morning will kick off with registration from 8:30-9:00am; breakfast kolaches, piping hot coffee, and refreshments will be available throughout the morning. First to the podium will be Dr. Craig Coufal, Extension Poultry Specialist, to address **Backyard Poultry Production**. His presentation will focus on the hows and whys of back yard chicken production and the potential benefits.

Following a small break Dr. Joe Paschal will join us to address **Beef Myths!** He will stomp out the common misconceptions related to beef production including hormone use, antibiotics, and environmental impacts. In addition to the myths we will have an opportunity to discuss the safety and security of the beef production system for consumers.

Just before lunch Mr. Boone Holiday will share a presentation on **Sustainable Gardening and Gardening Basics**. How to reduce pesticide use is a common question for gardeners and will be one of the many topics addressed in this presentation. Sustainability, a natural approach, and alternative cultural practices to improve garden plant performance are hot topics for the day.

Following the catered lunch, the afternoon will include a presentation on **Organic Laws and Labeling** from a Texas Department of Agriculture representative. This particular presentation will be great for anyone producing a product with intentions to label as organic as well as helping the consumer understand what some of the organic labeling means!

The final presentation for the day will focus on **EarthKind Landscaping**. The concept of reducing water use and selecting environmentally friendly plants for the home landscape is of interest to many residents in the multi-county area. Attendees will leave with a plethora of plant suggestions and landscaping ideas to help manage water use in the home landscape.

County Extension Agents from Austin, Colorado, Fayette, and Washington Counties are looking forward to the event and invite you to join us for a great day of education and networking. Again, registration will begin at 8:30am, the program at 9:00am, and the event will conclude at 3:30pm. A registration fee of \$30/person (before July 5th) or \$40 at the door will be charged. Pre-registration can be completed [online](#) or by calling one of the Extension Offices listed below to add your name to the list of attendees. Five (5) CEUs (2 General, 1 IPM, and 1 L/R) will be offered for all pesticide applicators who are in attendance for the duration of the program and collect a certificate at the conclusion of the day.

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

62nd Annual Texas A&M Beef Cattle Short Course – Texas A&M University – August 1-3, 2016 (Brochure Attached)

After a historic run in beef cattle prices, producers are left with many decisions regarding the future of the cattle market, consumer demand and long-term weather projections, said a Texas A&M AgriLife Extension Service beef cattle expert. These topics and more will be discussed at the 62nd Texas A&M Beef Cattle Short Course Aug. 1-3 at Texas A&M University in College Station.

“We’ve had quite a run over the past two years with regards to high cattle prices,” said Dr. Jason Cleere, conference coordinator. “Cattle prices fell considerably last fall and ranchers are concerned with where they will go in the future. While a lot of folks have enjoyed healthy bottom lines over the past few years because of high prices, margins are smaller this year and producers will have to manage costs to maintain profitability. This year’s short course will focus on controlling costs while improving productivity of the ranch.”

The short course is the premier beef educational event in Texas, attracting more than 1,400 attendees annually, Cleere said. It features 20 sessions covering basic practices, new technologies and other important industry topics. These sessions provide participants with an opportunity to choose workshops based on their level of production experience and the needs of their ranch.

“Concurrent workshops will feature information on forage and beef cattle management, nutrition and reproduction, record keeping, genetics, purebred cattle and much more,” he said. In addition to classroom instruction, participants can attend one of the program’s popular demonstrations on the morning of Aug. 3, Cleere said. “There will be demonstrations on brush control, chute-side calf working, cattle handling, bull fertility testing, brush management and beef carcass value determination,” Cleere said.

“The goal of the short course each year is to provide the most cutting-edge information needed by beef cattle producers. We think we have information for everyone to take home and apply to their operations.”

Participants can earn seven Texas Department of Agriculture pesticide continuing education units if they are already licensed, Cleere added. An industry trade show, featuring more than 120 agricultural businesses and service exhibits, will be held during the event. “And the famous Texas Aggie Prime Rib Dinner is always a highlight of the short course,” Cleere said.

Registration is \$180 per person before July 25 and \$220 afterwards. It includes educational materials, a copy of the 600-page short course proceedings, trade show admittance, admission to the prime rib dinner, lunches, breakfasts and daily refreshments.

Registration information and a tentative schedule can be found on the short course website at www.beefcattleshortcourse.com

Producers can also register on the website or by contacting Cleere’s office at 979-845-6931.

Multi-County New Landowner Educational Series – Weed and Brush Control – **August 19, 2016 (Brochure Attached)**

The Multi-County New Landowner Education program is a series of 9 informational meetings, seminars, and field days designed to make new landowners in Austin, Colorado, Fayette, & Washington Counties aware of what types of agricultural enterprises are best for their property. Participants in the program will hear from experts in a variety of fields in agriculture about the best management practices that they can implement on their own property. This innovative program assists new landowners in understanding the concepts of rural living. Participants in the program are given exposure to ideas on raising livestock and horses, plant identification, fence building, applying pesticides, soil testing, stock pond management, pond construction, fruit and nut production, rain water harvesting, turf management, and much more. The program also serves as a way for new residents of the four counties to network and meet new people in their communities, find out what can be done on their land, what operations can be profitable, and possibly what opportunities they have to serve the community.

The program will be held on the third Friday of the months of January through May and August through November. Each month's meeting will be held at different locations in one of the four counties. The meetings begin at 1:30 pm and will last between 4 and 5 hours depending on the topic and possible tour stops. The cost for the program series is \$125.00 per person or \$200.00 per couple for all nine meetings or \$20.00 per person per meeting. *CEU's* for pesticide applicators will be offered as they are applicable, and refreshments will be served at each program session. Participants will receive a notebook at the beginning of the series to fill as we progress through the program with handouts and reference material that will be useful as they move forward with improvements on their property.

August Program

The 6th meeting for the 2016 series will take place on ***Friday, August 19, 2016*** in Washington County. The program will focus on **Weed and Brush Control**. Registration will begin at 1:00 with the program at 1:30. The goal of this session is to help landowners identify common weeds and brush species in our area. In addition to identifying problem species we will cover a variety of herbicides and application methods for management and control of these plants. with common questions/challenges related to building a bond, stocking a pond, and aquatic vegetation control for ponds in this area. This is a great opportunity for any and all landowners to learn from the experts in a classroom setting and have a great opportunity to see equipment and demonstrations as part of the day. **Also, if you have a weed or brush sample you would like identified please bring it and we will be glad to identify it for you.** Don't miss this wonderful opportunity!

The 2016 Multi-County New Landowner series is generously supported by:

Citizens State Bank – Somerville ----- Capital Farm Credit – LaGrange and Bellville!

Be sure to remember them for all your banking and lending needs. Additional contact information for each of these sponsors will be provided at the monthly New Landowner Sessions.

For more information please contact the Texas A&M AgriLife Extension Office in Austin, (979-865-2072), Colorado County (979-732-2082), Fayette (979-968-5831) or Washington (979-277-6212). Registration materials and more information can also be found on our website, <http://agrilife.org/coastalbend/program-areas/new-land-owner-information/>

Texas Sheep and Goat Expo – San Angelo, Texas – August 19-20, 2016 (Flyer Attached)

Featuring the latest in sheep, goat technology, management, marketing

Plans are fast coming together for a Texas A&M AgriLife sheep and goat doubleheader featuring two events that planners tout as this year's premier educational events for Texas sheep and goat producers wishing to stay abreast of their industry.

For the second time in as many years, the Texas A&M AgriLife Extension Service and Texas A&M AgriLife Research have teamed up to produce back-to-back educational programs for sheep and goat producers on Aug. 19-20 in San Angelo. The events will feature live animal demonstrations, new technology and techniques tempered with plenty of fun, food and camaraderie, said Marvin Ensor, AgriLife Extension regional program leader at San Angelo.

The first event will be the 43rd Annual Texas A&M AgriLife Sheep and Goat Field Day, whose theme this year will be "Precision Production Practices." The event will be conducted by and on the grounds of the Texas A&M AgriLife Research and Extension Center, located just north of San Angelo on U.S. Highway 87. That event will start with registration at 7:30 a.m. followed by the program from 8:30 a.m. – 1 p.m.

The second event is the 2nd Texas Sheep and Goat Expo, which will follow the field day on Aug. 19, and again on Aug. 20 at the San Angelo Fairground's Wells Fargo Pavilion.

"The idea is for folks to first attend the field day, eat a great lunch at the center and then leisurely migrate to the San Angelo Fairground's Wells Fargo Pavilion where registration and exhibits will open at 1 p.m. followed by the program from 2-8:30 p.m." Ensor said. "Though last year's events were both major successes, planners this year were very cognizant of the need for new topics, demonstrations and speakers to maintain the high level of interest the previous programs generated. I'm pleased to say both events will more than meet that goal."

Dr. John Walker, AgriLife Research resident director at San Angelo, said the center field day will be dedicated to Dr. Charles "Butch" Taylor, who recently retired after 45 years with the agency, 32 years of which he served as superintendent of the Texas A&M AgriLife Research Station at Sonora.

"Honoring Dr. Taylor will be a great source of pride for me and I'm sure for many of the people attending these two events," Walker said. "He has been a mainstay in the sheep and goat industry and has long been the driving force in the use of prescribed fire for improving range management for both livestock and wildlife throughout our area. In that capacity, he has also been the key figure responsible for organizing the highly successful Edwards Plateau Prescribed Burning Association, which serves as the keystone for many similar associations now found across the nation."

Walker said the center field day will feature a five-stop tour of sheep equipment, feed supplementation, range management practices, herding animals with a drone, and work being done with livestock guardian dogs. The remainder of the program will be indoors and will include results of a five-year goat marketing study, a Texas A&M University Animal Science update and drought scenario planning.

The expo will begin with a general session on the current sheep and goat markets followed by a mock auction where marketing tips will be presented using live animals. The afternoon will then break into three concurrent sessions on internal parasites, cooking lamb and predation before reconvening for dinner and an address by Dr. Dennis Stiffler, chief executive officer for Mountain States Rosen. The first day's activities will conclude with a stockmanship demonstration.

"August 20 activities will start bright and early with a chuckwagon breakfast prepared by the Cocklebur Camp," Ensor said. "The program will start with opening remarks and industry updates from 8:30-9 a.m., followed by four concurrent sessions broken among hair sheep, wool sheep, club lambs and meat goats, similar to last year. But the topics within each category will be new with only the class heading being familiar to last year's attendees."

Ensor said the sessions will meet for lunch and the presentation, What is Going to Shape the Future of Animal Agriculture? by Dr. Ron Gill, AgriLife Extension livestock specialist at College Station. After the lunch break, the concurrent session will resume for a final time. The expo will conclude by 3 p.m., following a general session on consumer demands and a carcass quality evaluation presentation with representatives from various companies that market lamb products providing information on current and future opportunities.

All the activities are open to the public. The center field day and lunch are free, while the expo has an individual registration fee of \$30 due by August 17 and \$50 thereafter. Register online for both events at <http://agrilife.org/westresults/registration/>. For more information on the Expo call Myra Marsh at 325-653-4576, Ext. 237. For information on the center field day, call Phyllis Benge, 325-653-4576, Ext. 233.

Gardening Lunch-N-Learn Series – Washington County Fairgrounds Sales Facility

1st Tuesday September-November (Flyer Attached)

The Bluebonnet Master Gardeners of Washington County are please to present the 2016 “Lunch-N-Learn” series to be hosted on the *first Tuesday of each month, June & September-November*. The series will boast topics related horticulture with the homeowner and backyard gardener in mind! Speakers are experts in their fields and practical gardeners with great tips and information for everyone. As we begin to see spring on the horizon this will be a great opportunity to begin thinking about plans for spring gardening, composting, fruit trees, and much more!

Program registration will begin at 11:50am with the program beginning at 12:05pm and concluding at 12:55pm. At the conclusion of each session the speaker and our Washington County Master Gardeners will be available to answer questions.

The Lunch-N-Learn Sessions will be held at the Washington County Fairgrounds Sales Facility, 1305 E. Blue Bell Road in Brenham. All Master Gardener Lunch-N-Learn programs are free to the public and you are welcome to bring your own lunch and drink. Light refreshments will be available courtesy of the Master Gardener Hospitality Committee!

September 6th – Gardening in the Hell Strip

October 5th – Role of Bees in the Garden

November 1st – Native Trees and Wildlife Habitat

The Master Gardener Program is a state-wide volunteer development program offered by Texas A&M AgriLife Extension Service and is designed to increase the availability of horticultural information and improve the quality of life through horticultural project. Bluebonnet Master Gardeners serve Austin, Colorado, Fayette, and Washington counties and have project gardens in each of the four counties.

For more information, contact the Washington County Extension Service at 979-277-6212 or visit the Washington County Extension Service website at <http://washington.agrilife.org/ag/master-gardeners-lunch-n-learn/> Be sure to check out the Bluebonnet Master Gardener Association and Washington County AgriLife Extension on Facebook also! Missed a session? Check out our website for the publications for each session! <http://washington.agrilife.org>

2016 Agricultural Custom Rate Survey – Excellent Resource for Evaluating Farm/Ranch Costs

The Texas A&M AgriLife Extension Service has published online the 2016 Texas Agricultural Custom Rate survey of regional and state rates charged for custom agricultural operations. “Each year, AgriLife Extension receives many requests for prevailing rates for certain kinds of work and custom farm or machine operations,” said Dr. Steven Klose, AgriLife Extension economist in College Station. “This is an update of information that has been used extensively over the years.”

To view current and past custom rate publications, visit <http://agecoext.tamu.edu/crs>. The online publication is 27 pages. It includes data on tractor rentals, tillage operations, planting operations, application of fertilizer and chemicals, cotton harvesting, peanut harvesting, hauling and drying, combining and hauling grains, haying and silage operations, land preparation, brush control and miscellaneous livestock operations.

A survey was distributed to select farmers, ranchers, landowners and custom operators across Texas to acquire information for the publication. In addition, this year the survey included an online version open to the public. The results helped establish a baseline of rates statewide to further assist with inquiries about custom-hire activities, Klose said.

“We are very thankful for the people who take the time to complete this survey,” Klose said. “Outside of this survey, market information on specific custom work in Texas is very limited to non-existent. This publication provides a range of rates for different services. It’s an important information resource whether you are providing or hiring custom services in Texas agriculture.”

NEW Non-Emergency Number for Washington County

Washington County 911 has a new non-emergency telephone number as the transition from a city department to a county one is completed. In October of 2014, the Communications Department began transitioning to a county-operated facility; during that time, the non-emergency number remained listed with the city of Brenham.

"Changing the non-emergency number is really one of the last items that needs to be completed in this transition. The current non-emergency number is 979-337-7272. We are changing that number to 979-277-7373. We do want to make sure our residents remember that if they have an emergency, they need to call 911. The non-emergency number of 979-277-7373 is just that – for non-emergencies.," said Kristy Taylor, Operations Manager of the Communications Department.

Taylor said the current non-emergency number will continue to automatically roll over to Communications for 60 days. Calls that come in during the 61-120 day period will be directed to "push 1" to be connected to Communications. Calls that come in from 121-180 days will be given the correct phone number, and then the call will disconnect, requiring callers to dial the correct number.

"We are basically giving a six-month window for our residents to become accustom to the new phone number. We'd also like to take this opportunity to ask all of our residents to register with us if they have a medical or special need. It's important for us to have this type of information in the event of a disaster. It allows us to check on those individuals as quickly as we can to ensure they are ok," she said. Taylor reiterated that anyone with an emergency needs to call 911.

Weed of the Week: Grassbur (field sandbur, sandbur, etc.)

Grassbur is a grass weed that is very troublesome in pastures and hay meadows throughout Texas. Most grassburs are easily recognized in the mature stage of growth when the "bur" seed heads become apparent. The bur itself is actually a "capsule" that usually contains from 1 to 3 seeds. We tend to think of the grassbur species as a warm season annual plant. However, many grassburs are classified as perennials because they can survive from one year to the next. The presence of grassburs can be an indication of a weak stand of forage. Grassburs are more tolerant of acidic, low fertility soils than many of our warm season forages. One of the best cultural control measures is to maintain a healthy stand of forage with proper management.



Two to Three Leaf Stage



Mature Grassbur

Identifying grassbur is key to chemical control. Unfortunately most can't identify a grassbur until it has produced the bur seed head. Dr. Paul Baumann, Professor & Extension Weed Specialist, Texas A&M AgriLife Extension, has an excellent publication on grassbur identification. Click [here](#) for a copy of the publication: [Grassbur: Early recognition is a key for management](#).

Select Herbicide Options:

Prowl H2O (pre-emergent; labeled for winter dormant bermudagrass only)

Pastora (post-emergent for bermudagrass pastures, will destroy bahiagrass)

REMEMBER: THE LABEL IS THE LAW! Always read the pesticide label before using.

Cattle Fever and Fever Ticks – by Dr. Joe Paschal

Cattle Fever, formerly called Spanish, Texas or Splenic Fever is caused by two different protozoa called Babesia (B. bigemina and B. bovis) that are carried in two cattle fever ticks (*Rhipicephalus annulatus* and *R. microplus*). These were formerly called *Boophilus annulatus* and *B. microplus*. Cattle Fever is caused when an infected tick takes a blood meal and injects the organism into the host animal's bloodstream. The Babesia organism infects and reproduces in the host's red blood cells. Destruction of the red blood cells causes anemia and reduction in oxygen carrying capacity and a reduction in weight and often death. Cattle infected with Babesia often have red colored urine from the excreted hemoglobin (redwater) although this can be caused by other diseases.

Fever ticks get infected by ingesting blood from an infected cow. The protozoa migrate to the reproductive system and when tick's eggs are shed, they are also infected. The principal hosts of the ticks are cattle and horses but can include deer and exotic wildlife like axis red deer and nilgai (an Indian antelope prevalent in South Texas), making control efforts difficult.

In 1906, the fever tick (and the fever) was in 14 southern states and as far north as Virginia. Control methods used were principally long, narrow dipping vats full of an acaricide (insecticide that killed ticks, usually an arsenical compound, and later organophosphates). The cattle and calves were forced swim the length of the vat and they were submerged at least once to treat their head. Dipping vats are still in use but wildlife are being fed avermectin treated corn (until 60 days before the hunting season begins) in certain problem areas. By 1943 the fever tick was contained to a 580 mile long Permanent Quarantine Zone in Texas ranging from Del Rio to Brownsville. It ranges from about 125 yards to almost 8 miles in depth.

Cattle inside the Zone must be examined (scratched for ticks) and treated before they can move outside the Zone. Usually there are a few cases just outside the Zone as ticks migrate. Currently Zapata county has some premises under quarantine outside the Zone because of that. However, recently there have been over 20 cases well north of the Zone in Cameron and Willacy counties and one each in Kleberg and Jim Wells counties. Most (but not all) are thought to be carried by wildlife (white tailed deer and Nilgai). Ranchers have the option of treating all their cattle every 2-4 weeks or vacating their pastures for 6 to 9 months.

Ticks prefer brushy areas over grasslands so brush management can help reduce but will not eliminate tick habitat.

Recently the Texas Animal Health Commission has adopted a new tick vaccine. It must be administered by a veterinarian to beef cattle only, 2 months and older. Two vaccinations (initial and booster) 28 days apart with another booster every 6 months are required. The vaccine will be used on cattle inside the Zone and possibly in some problem areas as well.

There is no Babesia in Texas but if there were, the initial cost is estimated to be \$1.2 billion cost would be well over \$100 million per year.

It is unlikely that you will ever have fever ticks but if you see ticks you aren't familiar with can contact the Texas Animal Health Commission at 1-800-550-8242.

For more information:

TAHC Press release on tick vaccine: http://www.tahc.texas.gov/news/pr/2016/2016-06-07_TAHCFevertickVaccine.pdf

TAHC Maps of current infestations: http://www.tahc.state.tx.us/animal_health/fevertick/2016-04_FevertickInfestations.pdf

TAHC Fever tick brochure: http://www.tahc.state.tx.us/news/brochures/TAHCBrochure_Fevertick.pdf

APHIS Fever tick

brochure: https://www.aphis.usda.gov/publications/animal_health/content/printable_version/CattleFevertick.pdf

As always please call or email if you have questions,
Kara

Kara J. Matheney, MS
Texas A&M AgriLife Extension Service
County Extension Agent – Agriculture & Natural Resource

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 this meeting are encouraged to contact the County Extension Office at (979) 277-6212 prior to the meeting to determine how reasonable accommodations can be made.

Private Applicator Training

Friday, July 1, 2016
Washington County Fairgrounds Conference Room

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 on **Friday, July 1st** at the Conference Room on the Washington County Fairgrounds. Books and study materials for the course need to be purchased ahead of time for \$40.00 at the Extension Office. A registration fee of \$10.00 will be charged for the training. The registration fee will include the training, additional study materials, refreshments, and breakfast. The training will begin at 8:30am and conclude at 12:30 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. Once an applicant has completed the training, and pass the exam with a score of 70 or above, they 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.

For more information and to reserve your spot at the training, contact the Texas A&M AgriLIFE Extension Office of Washington County at (979) 277-6212 or visit the Washington County Extension Website at <http://washington.agrilife.org>.

Private Applicator Q&A Corner

I never received my license renewal?

- ♦ The most common cause for not receiving a license renewal form is that the license holder did not notify TDA of a change of address. According to the TDA Laws and Regulations it is the responsibility of the applicator to notify TDA within 30 days of any change of address.

Can I carryover my CEUs from one cycle to the next?

- ♦ No. CEUs received during any one or five year re-certification cycle may only be applied to the cycle in which they were received. TDA does not allow CEUs to be carried forward.

Private Applicator Facts!

Private Applicator -- A person who uses or supervises the use of restricted-use or state-limited-use pesticides for the purpose of producing an agricultural commodity on property owned or rented by the person or the person's employer or under the person's general control; or on the property of another person if applied without compensation other than the trading of personal services between producers of agricultural commodities. An agricultural commodity is defined as a plant or animal grown for sale, lease, barter, feed or human consumption and animals raised for farm or ranch work. Private applicator licenses are valid for five years, and the applicator must obtain 15 CEUs during that time to renew.

Private Applicator Certificates -- From 1977 through 1989, TDA issued private applicator certificates (not licenses) under a voluntary program. Private applicators who originally obtained a private applicator certification prior to January 10, 1989, were "grandfathered" by the legislature, meaning the certificate does not expire; however, in 1989 the Texas Pesticide Regulations were revised to require recertification for all applicators, including certified applicators, in order to purchase or use restricted-use or state-limited-use pesticides. The original "grandfathered" certificates had an issue number of 158532 or below. Because of computer advancements, when the original certificate is recertified, the applicator is given a new certificate number. Certified private applicators may not supervise an application of restricted-use or state-limited-use pesticides. Certificate holders must obtain 15 CEUs every five years to keep the certificate valid.



**For More Information
Please Contact:**

Travis Gonzales
Austin County
(979) 865-2072

Stephen Janak
Colorado County
(979) 732-2082

Scott Willey
Fayette County
(979) 968-5831

Kara Matheney
Washington County
(979) 277-6212



July 8, 2016

Cat Spring Agricultural Society
13035 Hall Road
Cat Spring, Texas 78933

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

\$30 Pre-Registration Before July 5th
\$40 Registration At the Door

Breakfast, Snacks, Refreshments, Lunch and
Conference Proceedings Included

- Program Topics:**
- Beef Myths
 - Backyard Poultry
 - Gardening Basics - Sustainable Gardening
 - Organic Labeling
 - Earth Kind Landscaping

To **RSVP** please contact the
Washington County Extension Office
at (979) 277-6212
Or at washington.agrilife.org

62nd
Annual
Texas A&M

Beef Cattle Short Course

August 1-3, 2016

7+ CEU's
offered

The largest beef educational
event in the country!

Visit,
<http://beefcattleshortcourse.com>
for more information

The Texas A&M Beef Cattle Short Course (BCSC) is a three-day seminar that represents the culmination of knowledge from industry leaders and experts. Each year more than 1,400 beef producers attend the BCSC to expand their knowledge of the beef cattle industry and join in the discussion of the most current issues facing the producer. This industry gathering features the popular Cattleman's College, a general session with the nation's leading beef cattle experts, seminars, workshops and hands-on demonstrations.

Diverse Trade Show

Come enjoy the BCSC trade show which includes over 120 beef industry exhibits from agribusinesses, associations, Extension, ag finance, computer software, livestock equipment and much more.

Customize Your Course

More than 20 concurrent sessions are offered including topics such as: animal health, nutrition, reproduction, breeding, genetics, selection, research, marketing and handling. Management sessions will cover business, forage, range, and purebred cattle. Topics such as "365-Days on a Ranch", "Landowner Issues" and "Hay and Beyond" will be featured at this BCSC. Sessions are designed for everyone, from the newest member of the industry to the most seasoned producer. Seven plus pest CEU's and 17 veterinarian CEC's, along with BQA credits are offered.

Registration

Complete the registration form on page two or register online by Monday, July 25th to take advantage of the early registration rate of \$180.

The price includes a ticket to the Aggie Prime Rib Dinner, breakfasts each morning, two lunches, a copy of the 600+ page proceedings and trade show admittance.

2016 Participant Registration Form

62nd Annual TAM
Beef Cattle Short Course
August 1-3, 2016

Participant Information

Name(s) _____

Address _____

City, State, Zip _____

Phone Number _____

Pesticide Applicator
License # _____

Email Address _____

Fees & Options

Registration Fee: \$180.00 per person

_____ x \$180.00 = _____

* Includes 3 daily breakfasts, 2 lunch tickets, 1 Prime Rib Dinner ticket, 1 proceedings, trade show admittance, refreshments and access to campus shuttle service.

Late Fee (after July 25): \$40.00 per person

_____ x \$40.00 = _____

Additional "Aggie Prime Rib Dinner" Tickets: \$30.00 each

_____ x \$30.00 = _____

Additional Lunch Tickets (Mon & Tue): \$10.00 each

_____ x \$10.00 = _____

Additional Bound or CD Proceedings: \$60.00 each

_____ x \$60.00 = _____

TOTAL = _____

****Parking is not included with registration! Please see information below for instructions!****

Payment

Check (Payable to "Beef Cattle Short Course")

Credit Card (Fill out information below)

Cardholder Name _____

Credit Card Type _____

Card Number _____

Exp. Date (MM/YY) _____

Mail your Registration and Payment to:

Conference Services, Texas A&M Beef Cattle Short Course, 1232 TAMU, College Station, TX 77843-1232

Fax your Registration and Payment to:

979.845.2519, Attn: Joani Groce

Parking: The three day pass for lot 61 (MSC), Lot 74 (Rosenthal), and Lot 63 (Pearce Pavilion) can be purchased for a flat event rate of \$15 at

<https://transport.tamu.edu/Account/Conference/parkingpermits.aspx>. Also, parking is available across the street from the MSC in the University Center Garage for \$15 per day if you do not prepay.

Cancellation Requests: Must be made in writing to Joani Groce. Refunds of seminar registrations fees (less administration fee of \$50) will be made if written notification is received no later than July 27, 2016. After July 27, 2016 no refunds will be honored.

Questions: For registration questions, call Joani Groce at 979.845.8902. For program or trade show questions call Dr. Cleere's office at 979.845.6931 and speak to Paige Phillips.

2016 BCSC Tentative Conference Schedule

SUNDAY, JULY 31 Rudder/MSC Complex

10:00 a.m. Annual BCSC Scholarship Golf Tournament at Pebble Creek

1:00 to 5:00 p.m. On-site registration and registered participants may pickup their registration materials.

MONDAY, AUGUST 1 Rudder/MSC Complex

6:30 a.m. Coffee and Breakfast compliments of trade show exhibitors

7:00 Registration desk open, TRADE SHOW OPEN in Rudder

8:00 General Assembly for instructions and orientation

8:30 a.m. to Noon - Cattleman's College Sessions - CONCURRENT TRAINING

Introduction to Cattle Production I

Producers with entry-level basic information needs in beef production management practices will receive detailed training in nutrition, health, reproduction and beef cattle genetics. This session will feature a Q&A discussion with the experts.

Forages – Hay and Beyond: Overwintering Cattle

This session highlights the production, harvesting, storage and feeding of hay. Standing hay crops and winter pasture will also be discussed as alternatives to traditional cow-calf hay feeding programs.

"How Much Should I Feed My Cows?" (Repeated from Monday)

Participants are engaged in a lively discussion of cow size, digestive anatomy, nutrient requirements, forage quality and feeds and feeding. The audience will leave understanding the fundamentals involved in determining..."How much should I feed my cows?"

Landowner Issues

This session will address topics that impact the rural landowner. Water issues, liability concerns on the ranch, oil exploration and eminent domain are just a few of the topics that will be covered.

Purebred Cattle Production I –Data and Genetic Management

- Collecting Data for a Profitable Outcome
- Contemporary Grouping the Key to Good Data Collection
- Navigating the World of Genetic Testing
- Speakers Panel

Beef Cattle Research in Texas

This session highlights beef cattle research projects being conducted at Texas A&M University System locations across the state. Topics will encompass cow-calf and grazing aspects through feeding and end product considerations.

11:30 to 1:30 Lunch served, trade show activities

1:30 Afternoon Program

General Session—After Record Cattle Prices, Where is the Beef Industry Headed?

- Beef Cattle Prices: Where are they going next?
- Hot Issues Affecting Ranchers
- Who's our consumer and what do they want during the next 20 years?
- Long Range Weather Outlook

6:00 Famous Texas Aggie Prime Rib Dinner, MSC Ballroom

TUESDAY, AUGUST 2 Rudder/MSC Complex

7:00 a.m. Trade Show opens, coffee and breakfast, on-site registration opens.

8:30 a.m. to Noon - Cattleman's College Sessions - CONCURRENT TRAINING

Introduction to Cattle Production II – 365 Days on a Ranch

What is the yearly production cycle on a ranch? When do I put the bull with the cows? When do I vaccinate? When should I start feeding hay in the winter? When do I fertilize my pasture? These questions and many more will be addressed in this introductory ranch management session.

Pesticide Applicator Re-certification

- Pasture Management Strategies
- Nuisance Wildlife Management
- Pesticide Laws and Regulations Update

Beef Cattle Health Management

How do I know when my cattle are sick? How do I work with my veterinarian to diagnose and treat sick cattle? These questions and other health management topics will be discussed in this session featuring practicing large animal veterinarians. The Veterinary Feed Directive (VFD) will also be discussed in detail.

Special Topics in Beef Cattle Genetics

New developments in selection for replacement heifers, disease resistance and other economically relevant traits. There will also be a special discussion on the genetics of beef production internationally with presentations by ranchers from Latin America.

Forages - The Basics of Pasture and Forage Production

Soil testing, soil fertility, weed management, pest control and grazing strategies will be discussed.

"How Much Should I Feed My Cows?" (Repeated from Monday)

11:30 to 1:30 Lunch served, trade show activities

1:30 Afternoon Program

Purchasing and Managing Stocker Cattle

Stocker cattle are a flexible production option for ranchers. Learn more about purchasing stocker cattle and general management considerations.

Range Management Workshop: Targeted Grazing to Accomplish Specific Management Goals

A general discussion on range management and strategies to improve the forage conditions on the ranch.

Reproductive Management: Focus on the Bull

- Basic Bull Management: Protect Your Investment
- Why Do a Proper Breeding Soundness Exam?
- What's a Pregnancy Cost These Days: Bull vs. AI
- Managing Breeding and Calving Seasons: What You Need to Know About Forage Quality

Flies, Gnats, Ticks – Pester Your Cattle, Cost You Money

- Practical Fly Control Programs for Cattle
- New Ideas in External Parasite Control
- Challenges and Changes in the Fever Tick Program

Purebred Cattle Marketing

- Identifying Your Market
- Marketing Options for Purebred Breeders
- Utilizing Data to Develop Markets
- Marketing Panel for Q&A from the audience

WEDNESDAY, AUGUST 3

Rudder/MSC Complex, Pearce Pavilion, Beef Center, Rosenthal, Freeman Arena

7:00 a.m. Coffee and breakfast at each location.

8:00 a.m. to Noon - Cattleman's College Sessions - CONCURRENT TRAINING

Brush Busters Demonstration

Understanding the Brush Busters concepts and philosophy. This workshop will cover how to take care of Pricklypear, Mesquite, Green Briar, Chinese Tallow trees, Macartney Rose, and Huisache.

Beef Cattle Business Management Workshop

- Basic Records Needed on the Ranch
- New developments in herd management software
- Tax Management and Estate Planning Update - 2016

Beef Carcass Value Determination Workshop

- Beef Grading and Live Market Steer Evaluation
- Video of Market Steers, Grade the Carcasses, and Price the Cattle
- Where is the Value: Carcasses to Cuts

Cattle Handling and Bull Fertility Testing Demonstration

From pasture to the processing chute, this session will focus on low stress cattle penning, working facility design and movement through the system. This year a Bull Breeding Soundness Exam will also be demonstrated to outline proper fertility testing of herd bulls.

Chute Side Working Demonstrations

Live cattle demonstrations covering basic cowherd management practices with emphasis on proper vaccination procedures, castration, dehorning, parasite control and BQA recommendations.

Tractors and Equipment Demonstration

Tractor and equipment purchasing decisions, tractor safety and equipment will be covered as well as a sprayer calibration demonstration.

12:00 Beef Cattle Short Course 2016 - Adjourned



2016 BCSC Participant Reminders

1. Please return the registration form by Monday, July 25th at 5 PM. Remember online registration is available at beefcattleshortcourse.com. There is a \$40 late fee after July 25th.
2. **PARKING:** The three day pass for lot 61 (MSC), Lot 74 (Rosenthal), and Lot 63 (Pearce Pavilion) can be purchased for a flat event rate of \$15 at <http://transport.tamu.edu/Account/Conference/parkingpermits.aspx>. Parking in lots other than those listed above may result in fines. Also, parking is available across the street from the MSC in the University Center Garage for \$15 per day if you do not prepay. **Parking in lots other than those listed above may result in fines.**
- MAPS: Current maps to parking lots and facilities are available at beefcattleshortcourse.com.**
3. Pick up the final program and proceedings as soon as you arrive. The final program will be on the website in late July to help you decide which sessions to attend. One will also be provided at your arrival to BCSC with exact topics, times, locations and speakers. You may pick up your schedule and packet on Sunday afternoon or Monday morning.
4. Hot coffee, juice and a full breakfast will be provided as you arrive early Monday morning. Trade show opens at 6:30 a.m. and a general assembly begins at 8 a.m. for the program orientation and instructions. Monday's concurrent sessions begin at 8:30 a.m. and continue until noon when lunch will be served. The General Session will begin after lunch. The famous Texas Aggie Prime Rib Dinner will be served Monday evening at 6 p.m. in the Texas A&M MSC, following the general session.
5. The BCSC continues on Tuesday with breakfast followed by the Cattleman's College at 8:30 a.m. Lunch will be served at noon, followed by another round of sessions Tuesday afternoon concluding at 5:30 p.m. Tuesday evening is left open for the industry to schedule meetings, receptions and activities.
6. Wednesday morning's program will offer concurrent live demonstrations. These workshops feature cattle handling, Brush Busters, carcass cutting demonstrations, bull fertility testing, and business management workshops. Breakfast will be served at each location. The 2016 BCSC will conclude at noon on Wednesday.
7. Hotel reservations should be made as soon as possible. For hotel reservations contact:

Hilton College Station:

Phone Number: 1-800-HILTONS (1-800-445-8667) or

(979) 693-7500

*Reservations must be made by 7/15/16 to receive the group rate of \$129. Code: BCATT6

Hilton Garden Inn College Station:

Phone: (979) 703-7919

*Reservations must be made by 7/1/16 to receive the group rate of \$114. Code:TBCS

Hampton Inn College Station (Shuttle available)

Phone Number: (979) 846-0184

*Mention the Beef Cattle Short Course and ask for Sylvia to receive the group rate of \$109.

Aloft College Station: (Shuttle available)

Phone Number: 1-855-811-0254

*Reservations must be made by 7/1/16 to receive the group rate of \$119. Ask for reservations through the Beef Cattle Short Course 2016 for the room block.

Best Western Premier at Old Town Center:

Phone Number: (979) 731-5300 (Press 3)

*Reservations must be made by 7/11/16 to receive the group rate of \$114. Code: BEEF

Additional Information

Youth Track Program

The Texas A&M Beef Cattle Short Course is conducting a youth program which will teach participants how to be effective ambassadors for the beef industry. This will be a hands-on opportunity for youth to learn more about the beef cattle industry. Limited to 40 youth. Must be 13 to 18 years old to participate. Registration cost is \$80, with a late registration fee of \$100 after July 25th. See our website for registration forms.

Texas CattleWomen Steak Dinner Fundraiser & Silent Auction

Come join us on Sunday evening, July 31st, for the 10th Annual Texas CattleWomen Steak Dinner to kick off the TAM Beef Cattle Short Course. We will be gathering at 6pm at the Hilton College Station. Nolan Ryan Beef will be providing the steaks. Purchase tickets before July 10th for \$40 per person or \$50 at the door and the proceeds will benefit both the Texas CattleWomen's Scholarship Fund and Texas CattleWomen, Inc. Payments for tickets can be mailed to Kacie Woods at 6022 FM 974 Bryan, Tx 77808. Information with a mail-in form is also available at www.txcattlewomen.org. A limited number of dinner tickets may be available for purchase at the door but are not guaranteed.

Like us on Facebook!

Watch our Facebook page for important reminders, dates, and upcoming events. Also, be sure to share your positive feedback and pictures from your time spent at the Beef Cattle Short Course.

- The largest beef educational event in the country -



/ beefcattleshortcourse.com / 979.845.6931 / extansc@tamu.edu

2016 Schedule

3rd Friday of the Month

<input type="checkbox"/> January 15 Colorado County	Introduction Ag/Wildlife Valuations
<input type="checkbox"/> February 19 Fayette County	Horticulture Production Fruit and Pecan Trees
<input type="checkbox"/> March 18 Washington County	Bees and Trees for Homeowners
<input type="checkbox"/> April 15 Austin County	Forage Management
<input type="checkbox"/> May 20 Austin County	Pond Production
<input type="checkbox"/> August 19 Washington County	Weed and Brush Control
<input type="checkbox"/> September 16 Colorado County	Rural Laws and Codes
<input type="checkbox"/> October 21 Fayette County	Wildlife Management & Native Prairie Restoration
<input type="checkbox"/> November 18 Austin County	Livestock Production Tour

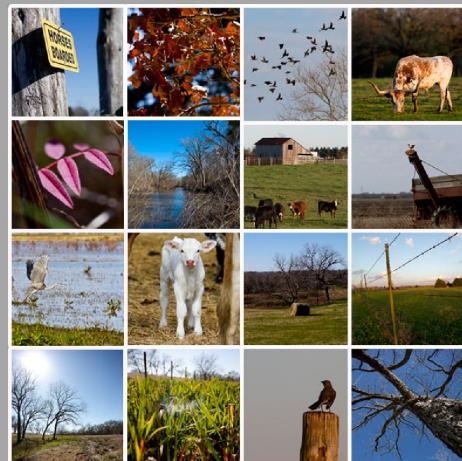
Please make checks payable to:

Extension Education Fund

Registration Forms & Payment can be mailed to:

Texas A&M AgriLife Extension Service
Austin County
Courthouse, 1 East Main Street
Bellville, Texas 77418

who to Contact



Travis Gonzales

979.865.2072

travis.gonzales@tamu.edu

Austin County

Stephen Janak

979.732.2082

stephen.janak@ag.tamu.edu

Colorado County

Scott Willey

979.968.5831

sawilley@ag.tamu.edu

Fayette County

Kara Matheney

979.277.6212

kjmatheney@ag.tamu.edu

Washington County



2016 Schedule

3rd Friday of the Month

Participants will receive a New Landowner Notebook **FULL** of timely information and handouts over the course of the series!

January 15 Colorado County	Introduction Ag/Wildlife Valuations
February 19 Fayette County	Horticulture Production Fruit & Pecan Trees
March 18 Washington County	Bees and Trees for Homeowners
April 15 Austin County	Forage Management
May 20 Austin County	Pond Production
August 19 Washington County	Weed and Brush Control
September 16 Colorado County	Rural Laws and Codes
October 21 Fayette County	Wildlife Management & Native Prairie Restoration
November 18 Austin County	Livestock Production Tour

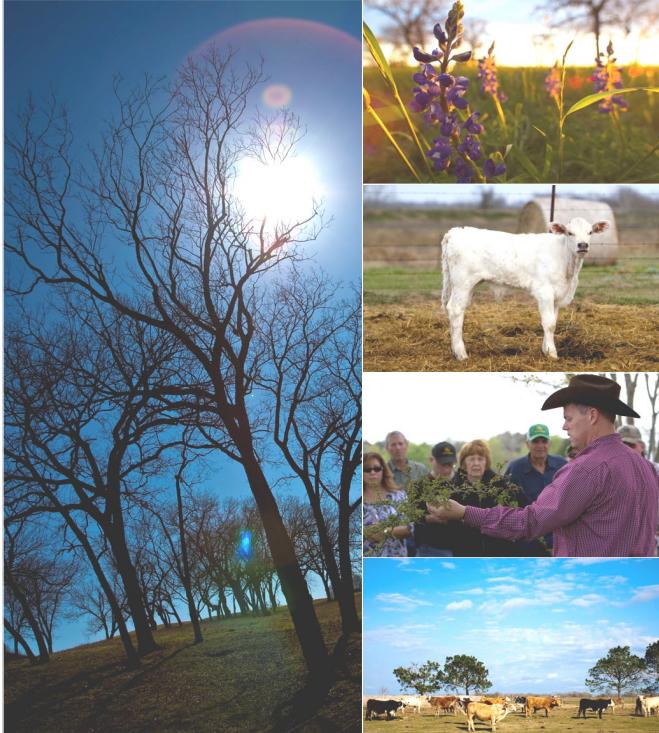
All educational programs begin with:

Registration at 1:00-1:30PM
Program from 1:30-5:00PM

Maps and Directions
Provided prior to each monthly meeting

Please visit our New Landowner Website
<http://agrilife.org/coastalbend/new-land-owner-information/>

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.



What is it?

The Multi-County New Landowner Education program is a series of meetings/seminars/field days designed to educate new landowners in Austin, Colorado, Fayette, and Washington counties. Participants in the program will hear from Extension experts in various fields about best management practices they can implement on their own property.



Sign me up!

Name(s)

Address

Cell Phone

I am interested in a text reminder the day before each session.

Emergency Contact Name and Number

E-mail

I am attending all sessions

\$125.00 per person or \$200.00 per couple

I am attending only select sessions (Please mark on back)

\$20.00 per person for each session
Payable at the door or in advance.

Mail this form and checks made payable to
Extension Education Fund to:
Texas A&M AgriLife Extension Service
Austin County
Courthouse, 1 East Main Street
Bellville, Texas 77418

**TEXAS A&M
AGRILIFE
EXTENSION** 2016 TEXAS SHEEP & GOAT EXPO

A premier sheep and goat educational event



SPEAKERS

DR. DAVID ANDERSON
AgriLife Extension Economist, College Station

MIKE BODENCHUK
Director, Texas Wildlife Services

BOB BUCHHOLZ
Rancher, Schleicher County

DR. THOMAS CRAIG
Professor, Veterinary Medicine, Texas A&M University

WARREN CUDE
Rancher, Pecos County

PRESTON FARIS
Rancher, Sutton County

NICK FORREST
Past Chairman, American Lamb Board

PHILLIP GLASS
President, American Dorper Society

DR. RON GILL
AgriLife Extension Livestock Specialist, College Station

KAYLN HODGES
Sterling Lamb, Sterling City

WESLEY HODGES
Rancher, Sterling County

CRAIG JONES
Capra Foods, Goldthwaite

DR. RONALD POPE
AgriLife Research Scientist, San Angelo

DR. SHAWN RAMSEY
Assoc. Professor, Animal Science, Texas A&M University

DR. REID REDDEN
AgriLife Extension Sheep & Goat Specialist, San Angelo

BRAD ROEDER
AgriLife Extension Agent, Gillespie County

DR. CAREY SATTERFIELD
Asst. Professor, Animal Science, Texas A&M University

DR. DENNIS STIFFLER
Chief Executive Officer, Mountain States Rosen

DR. Charles "BUTCH" TAYLOR
AgriLife Research Scientist, Sonora (Retired)

BILL THOMPSON
AgriLife Extension Economist, San Angelo

DR. JOHN TOMECEK
AgriLife Extension Wildlife Specialist, San Angelo

DR. DAN WALDRON
AgriLife Research Scientist, San Angelo

AUGUST 19 & 20

Friday &
Saturday

**SAN ANGELO
FAIRGROUNDS**
San Angelo TX

REGISTRATION
\$30 early registration
\$50 after August 17th

**SEE PROGRAM ON
REVERSE SIDE**

Register online: <http://agrilife.org/westresults/registration>

For more information call (325) 653-4576

Friday, August 19

- 1:00 pm Registration/Exhibits
- 2:00 pm Welcome and Introductions
- 2:10 pm Market Update
Dr. David Anderson
- 2:30 pm **Mock Auction-Marketing Tips using Live Animals**
Expert Panel
- 3:45 pm Break
- 4:00 pm Concurrent Sessions - A, B, C
- Session A
 - Developing a Plan to Manage Internal Parasites...Smart Drenching
Dr. Reid Redden
 - Session B
 - How to Cook Awesome Lamb...
Old Favorites and New Recipes
Nick Forrest
 - Session C
 - How to Minimize Losses to Predation
Dr. John Tomecek & Mike Bodenchuk
- 6:00 pm Dinner/Guest Speaker
"Past, Present, and Future of Mountain States Rosen"
Dr. Dennis Stiffler
- 7:15 pm Demonstrating Low Stress Animal Handling- Techniques, Facilities Equipment, Stockman Skills
Bob Buchholz

Saturday, August 20

- 7:00 am Chuck Wagon Breakfast *Cocklebur Camp, Odessa TX*
- 8:30 am Welcome and Introduction
- 8:40 am Sheep and Goat Industry Updates
- 9:00 am Concurrent Sessions - SEE SCHEDULE BELOW
- 12:00 pm Lunch/Guest Speaker
"What is going to Shape the Future of Animal Agriculture"
Dr. Ron Gill
- 1:00 pm Concurrent Sessions - SEE SCHEDULE BELOW
- 1:45 pm Demands of Consumers/ Evaluation of Carcasses
Dr. Dennis Stiffler -Mountain States Rosen
Kalyn Hodges -Sterling Lamb
Craig Jones -Capra Foods
- 3:00 pm Closing Remarks/Door Prize Winners/Adjourn



Concurrent Sessions –Saturday, August 20

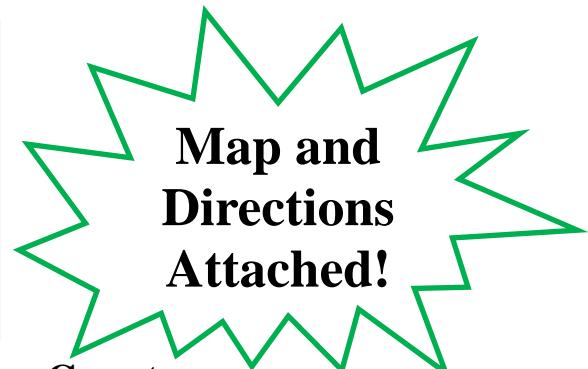
Hair Sheep Session		Wool Sheep Session		Club Lamb Session		Meat Goat Session	
9:00 am	Appreciation for the Unique Traits of Hair Sheep <i>Phillip Glass</i> <i>Wesley Hodges</i>	9:00 am	Labor and Resource Management <i>Producer Panel</i>	9:00 am	Protecting your Investment – Ram Management <i>Dr. Shawn Ramsey</i>	9:00 am	History of Meat Goat Production in Texas <i>Preston Faris</i>
9:45 am	Effective Management Systems for Hair Sheep <i>Producer Panel</i>	9:45 am	Making the most from Wool <i>Dr. Ronald Pope</i>	10:00 am	Ewe Management to Increase Flock Productivity <i>Dr. Carey Satterfield</i> <i>Panel Discussion</i>	9:45 am	Successful Practices in Commercial Meat Goat Production <i>Producer Panel</i>
11:00 am	Do's and Don'ts on Handling Dorper Sheep <i>Brad Roeder</i>	1:00 pm	"Shepherds for Profit" Workshops <i>Dr. Reid Redden and Bill Thompson</i>	11:00 am	Lamb Management; Lambing to Weaning (Pasture Lambing vs Jugs, Nutrition, etc.) <i>Panel Discussion</i>	11:00 am	Can you Manage for Meat Goats and White-Tailed Deer? <i>Dr. John Tomecek</i>
1:00 pm	Getting your Hair Sheep Ready for Sale or Show <i>Warren Cude</i>			1:00 pm	Holistic Approach to Parasite Management <i>Dr. Thomas Craig</i>	1:00 pm	Utilizing Meat Goats to Control Brush and Improve Range Health <i>Dr. Butch Taylor</i>

2016 Washington County *Lunch - N - Learn* Series

February 2	March 1	April 5	May 3
Texas Superstar Plants	Spring Veggie Gardens	Citrus Growing	Herb Gardening
<i>Harold Pieratt</i>	<i>Bill Adams</i>	<i>Charlene Koehler</i>	<i>Henry Flowers</i>
June 7	September 6	October 4	November 1
Compost Tea	Gardening in the Hell Strip	Role of Bees in the Garden	Native Trees & Wildlife Habitat
<i>Glenn Schroeder</i>	<i>Gaye Hammond</i>	<i>Jesse McDaniel</i>	<i>William Amalang</i>

Your One Stop Shop For All Things Gardening!

- ♦ Registration: 11:50am - 12:05pm
- ♦ Program: 12:05pm - 12:55pm
- ♦ No Pre-Registration Required
- ♦ FREE to the Public
- ♦ Light refreshments, water, and coffee provided



Washington County
Bluebonnet Master Gardeners

Lunch-N-Learn Coordinators:

Margarette Boswell - margaretteboswell@yahoo.com
Kathy Conway - klightf@gmail.com
Pam Langston - holeinthewall26@yahoo.com

Washington County Extension

Kara J. Matheney

County Extension Agent

979-277-6212; kjmatheney@ag.tamu.edu



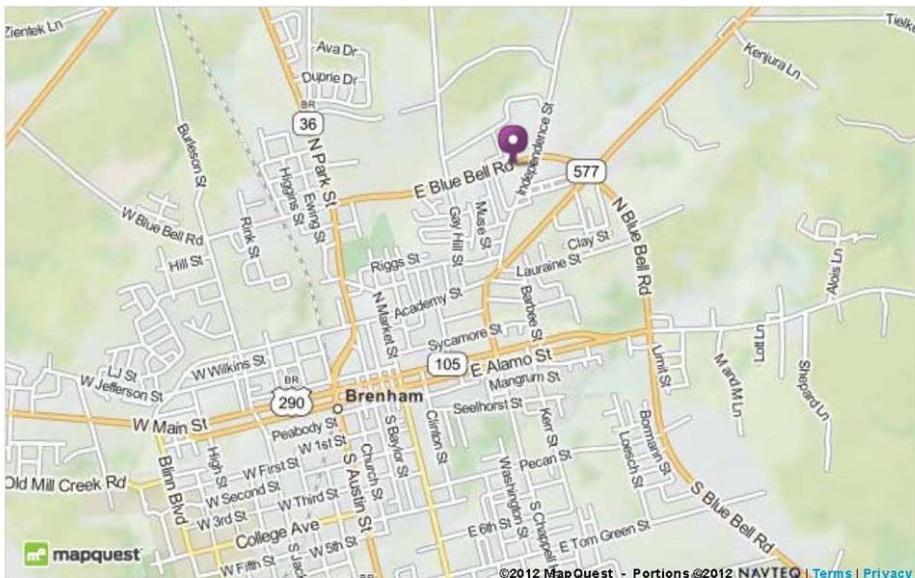
TEXAS A&M
AGRILIFE
EXTENSION



Map and Directions

Washington County Fairgrounds Sales Facility 1305 E Blue Bell Rd (979) 277-6212

North on Independence Road
3rd Gate on the Left (West)
Brick Front Building



Driving Directions:

From Houston:

Take US-290W toward Austin. Take FM-577 (Blue Bell Road) toward State HWY 105. Stay straight through HWY 105 intersection on FM-577. Turn right on Independence Street. Enter the third gate on your left into the Washington County Fairgrounds. The Sales Facility will be the brick faced building directly in front of you.

From Austin:

Take US-290 E toward Houston. Turn left onto TX-36 North. Turn right onto FM 577 (Blue Bell Road). Turn left on Independence Street just passed the red brick buildings at the front of the fairgrounds. Enter the third gate on your left into the Washington County Fairgrounds. The Sales Facility will be the brick faced building directly in front of you.