



Stacie Villarreal
County Extension Agent
Ag/Natural Resources
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Upcoming Dates

- ◆ Bennett Trust Women's Conference Oct. 3-4, 2016
- ◆ Ranching 101 Oct. 12, 2016
- ◆ 2016 Generation Next: Agricultural Apps for Smartphones & Tablets October 17, 2016
- ◆ So TX Farm & Ranch Show Oct. 19-20, 2016
- ◆ Southeast TX Grounds Maintenance Oct. 20, 2016
- ◆ Ranch University, Oct. 24-28, 2016
- ◆ Cow Calf Clinic Oct. 28, 2016
- ◆ TBA Conference Nov. 3-5, 2016
- ◆ Grape Camp Nov. 6-7, 2016
- ◆ 2016 Generation Next: Land Management Toolbox Nov. 21, 2016

Interested in the Wine Workshops, please contact Fran Pontasch, Extension Program Specialist Viticulture, Gulf Coast @ fmPontasch@tamu.edu

Ag Newsletter

October 2016

Mosquitoes and Zika Virus-What you need to know

by: *Sonja Swiger, PhD. Assist. Professor Vet/Med Extension Entomologist*

I know, I know, we have been hearing about Zika virus for months now but it is of concern until we see what is going to happen in the US.

Zika virus is not a new disease, it dates back to 1947, but it has stayed in Africa and Asia for decades. Increased human travel has been implicated for the reason we are now seeing outbreaks in the Western Hemisphere.

It is still unknown what will happen in the US. We do have the mosquito *Aedes aegypti* (and have for hundreds of years) but we do not have local transmission of the virus pathogens. This means our native mosquitoes are not carrying Zika pathogens.

Zika is noted to be fairly mild for the 19% who have outward clinical symptoms, 80% will never know they are sick. There is a small 1% who get more severe symptoms and outcomes.

The largest concern is to unborn babies (in utero). Moms that become infected with Zika while pregnant or at conception risk a chance or the fetus developing microcephaly, or a small head, due to damaged brain cells.

So what can you do?

- Drain standing water
- Dress appropriately
- Defend with repellents
- Use screens



In addition, DO NOT travel to Zika endemic areas if you are pregnant or are planning to get pregnant.

If you do, wait 8 wks before getting pregnant and use repellents continually when you return to the US.

If you are a male and travel to Zika areas, have protected sex for 6 months (!) upon return to the US and use repellents. If your partner is pregnant, do not have unprotected sex for the entire duration of the pregnancy.

Unlike other mosquito transmitted diseases, Zika can be spread by men and women during sexual interaction. It can remain in the semen for a longer period of time than in the blood.

For more information on Zika and mosquito management visit <http://preventingzika.org> or www.texaszika.org



Master Gardeners News

Announcing our 2017 Fruit and Nut Tree Sale Fundraiser! Pre-sale officially starts November 1 but we will be taking orders on October 29. We will be at the Pattison Area Volunteer Fire Department for their "Peddler Day" on Saturday, October 29 from 9AM-4PM. This will be your chance to talk with Master Gardeners about the Fruit and Nut Tree Sale and place pre-orders! We will also have information about our 2017 Master Gardener Training Program that starts Saturday, January 7, 2017. We will also have specialists on hand to answer your gardening questions! See the flier in the back of the newsletter for the Tree Sale and the varieties, or stop by the office.

INFORMATION ABOUT VFD

Dear Livestock Exhibitor Families,

We hope that everyone's school year has started off well. We just want to take a minute to help bring you up to speed on a topic that you may or may not have heard about. The topic is the **VFD** or Veterinary Feed Directive.

For now we suggest the following, be proactive, schedule a visit with your veterinarian to discuss your project plans in order to establish a working relationship with them. This will help establish a Veterinary Client/Patient Relationship (VCPR) as appropriate and necessary if antibiotics will be used during the duration of the project.

Beginning January 1, 2017 purchasing feed containing antibiotics or purchasing antibiotics for administration through water will require livestock exhibitors have a working relationship (VCPR) with their veterinarian. A Veterinary Client Patient Relationship (VCPR) is similar to the relationship one would have with their family doctor. The livestock exhibitor, should initiate the VCPR prior to the beginning of the feeding period,

The current **VFD** has been in place since 1996, however January 1st changes impacting livestock exhibitors will become effective. Antibiotics used in feed or water require veterinary oversight. For example *Liconmycin* in swine feed.

The changes will also affect antibiotics administered through water, which require a veterinarian's prescription. For example this will affect those exhibitors treating poultry with *Tetracycline*. It is critical that exhibitors establish a VCPR with their veterinarian and locate a source to purchase antibiotics prior to delivery of poultry.

For now we suggest the following, be proactive, schedule a visit with your veterinarian to discuss your project plans in order to establish a VCPR as appropriate.

Joe W. Mask, Ph.D.
Assistant Professor and Extension Specialist
Texas A&M AgriLife Extension Service

Thomas Hairgrove, DVM., Ph.D.
Associate Professor and Extension Specialist
Texas A&M AgriLife Extension Service



Congratulations to all the 4-H and FFA youth that participated at the Waller County Fair this week. If you have not made it out to the fair, please make sure to attend and support the youth of Waller County!

Name that Plant? Snow-on-the-Mountain or Snow-on-the-

Description

Snow-on-the-mountain and snow-on-the-prairie are annual herbs in the spurge family. They generally grow to 1 to 3 feet tall. The flowering stems have a peculiar construction: a whorl of four to five petal-like members, usually yellow-green, surrounding a cluster of male flowers, each consisting of a single stamen. *E. marginata* leaves are long, oval and nearly hairless and come to a blunt point; the upper leaves usually have distinct white margins. *E. bicolor* leaves are similar but narrower.

Habitat

Snow-on-the-mountain is locally abundant in Central Texas. It is somewhat uncommon in the Rio Grande Plains and Trans-Pecos

regions. It also grows north to Montana and Minnesota and south to Mexico. It is found most often in tight clayey soils of swales and meadows and in dry stream beds. Populations can vary greatly from year to year. Snow-on-the-prairie is commonly found in the eastern third of Texas.

Toxic Agent

The white sap of these plants has long been used to blister the skin or as an intestinal purgative. In most cases, livestock are poisoned by an acrid principle that severely irritates the mouth and gastrointestinal tract. This plant rarely causes death. Experimental feedings of this plant in Texas have shown that 100 ounces produces severe scours and weight loss in cattle, the latter persisting for

several months.

Signs of Livestock Ingestion
Primary signs include: Severe irritation of mouth and gastrointestinal tract; Diarrhea.



Certified Organic Producers

United States Department of Agriculture (USDA) to provide cost share assistance to producers, processors, distributors or other handlers of organic agricultural products.
Eligibility

Texas-based organic producers (crops, wild crops, and/or livestock) and/or handlers are eligible to participate in the National Organic Certification Cost Share Program (NOCCSP). Operations must possess current USDA organic certification to be eligible to receive reimbursements. This means operations either must have successfully received their initial USDA organic certification from a USDA-accredited certifying agent, or must have incurred expenses related to the renewal of their USDA organic certification from a USDA accredited certifying agent between October 1, 2015 and September 30, 2016. Operations with suspended or revoked certifications are ineligible for reimbursement. The applicable NOP regulations and resources for certification are available on the NOP website at www.ams.usda.gov/nop.

The cost share program will be conducted on a first come, first served basis.

Deadline:

Applications MUST be received by Close of Business (5:00 pm CT) Monday, October 31, 2016.

How to submit an application:

Please visit the [Organic Cost-Share website to download submission instructions and application materials](#). TDA will offer two ways to submit your application. We encourage you to try the new online submission application. All you have to do is fill out the required information, attach your documentation and hit submit. Alternatively, applicants may also complete a hard copy form and email to the address listed in the submission instruction.

Please contact the grants office at (512) 463-6695 or Grants@TexasAgriculture.gov with any questions you have.

Garden Helpers

Master Gardeners are asking if you enjoy gardening and would like to help others in their garden please let them know. Several individuals have approached them as they need younger labor to help with their gardening chores. Also in turn if you need help in your garden from time to time to let them know as well.

Generation Next

Our Turn to Ranch Webinars

Join us for a 12-Webinar Series Agricultural Business Start-Up School

- ✔ Gain ideas for operations you can add to an existing ranch
- ✔ Learn options for setting up grazing & wildlife leases
- ✔ Discuss business types, tax info, & insurance needs
- ✔ Exposure to all the latest land management tools & techniques
- ✔ Taught by professionals in each field and topic

**GENERATION
NEXT**
Our Turn to Ranch

*One Monday of every Month
during the noon hour
January-December 2016
Watch from your computer!*

Course Includes: 12 webinar classes of Expert Instruction and
a Generation Next School Completion Certificate

Registration Fee: \$120

To Register: <https://agriliferegister.tamu.edu/GenNextWebinar>

Or call 979-845-2604

Contact: Megan.Clayton@ag.tamu.edu or 361.265.9203

TEXAS A&M
AGRI LIFE
EXTENSION

★ GRIMES COUNTY EXPO CENTER ★

RANCHING 101



ONLY TOGETHER CAN WE
FIGHT
FOR WHAT'S
RIGHTFULLY
YOURS

NAVASOTA, TEXAS • GRIMES COUNTY EXPO CENTER • OCTOBER 12, 2016

WHO: TSCRA Members and the local ranching community are welcome to attend

WHAT: Information on cattle health, resource management, cattle marketing, equipment selection, and a live chuteside demonstration with cattle

WHERE: Grimes County Expo Center
5220 FM 3455 • Navasota, TX 77868

WHEN: Wednesday, October 12, 2016 • 9 a.m. - 4 p.m.

HOW: Please RSVP to 800-242-7820 ext. 192 or rsvp@tscra.org

tscra.org

FREE ADMISSION TO SHOW

Wednesday - 10am - 7pm
Thursday - 10am - 5pm

**\$20.00 per day to attend
Educational Programs (includes lunch)**
Includes lunch ticket

SCHOLARSHIPS: The South Texas Farm & Ranch Show awarded \$15,500.00 in scholarships in 2016. A total of \$175,250.00 has been awarded since 1991 to deserving high school seniors pursuing an agriculture related degree.

2016 Recipients

Stetson Dierlam— Mark Scherer Memorial Scholarship \$1750
Kyle Malae—Melvin Scherer Memorial Scholarship \$1500

Academic Scholarships \$1250 each:

Megan Depine Allison Drabek Mackenley Ebner
Parker Goebel Jeffrey Nemeo

Opportunity Scholarships \$1000 each:

Dillon Berckenhoff Abigail Bradicich
Kalli Ellis Madison Etzler
Lane Koop Wilbur Wimberly

Silver Sponsors

Hillcrest Animal Hospital
Prosperity Bank
Trust Texas Bank
New First National Bank
Victoria Electric Cooperative
Goldman, Hunt & Notz, C.P.A.
All Things Crossroads

Bronze Sponsors

First National Bank of Port Lavaca
Graham Land & Cattle Company
International Bank of Commerce
New Distributing
Texas Corn Producers

Featured Luncheon Speakers



Mr. Darrell Glaser

2014 U.S. Family Farm Environmental
Excellence Award Winner

October 19th

“Production Agriculture Sustainability”



Ms. Julie Borlaug

Associate Director for External
Relations—Borlaug Institute

October 20th

“the Borlaug Legacy”

Platinum Sponsors



From Here. For Here. Since 1846.

VICTORIA ADVOCATE

VictoriaAdvocate.com

Gold Sponsors

Crossroads Wealth Management
Victoria County Farm Bureau
Capital Farm Credit

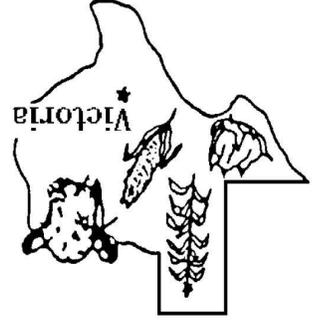
EXTENSION

TEXAS A&M
AGRI LIFE

2016
SOUTH TEXAS
FARM & RANCH SHOW
OCTOBER 19-20, 2016

Victoria Community Center
2905 E. North St.
Victoria, Texas
Phone # 361-575-4581

<http://southtexasfarmandranchshow.com>



2016 South Texas Farm and Ranch Show Educational Programs

October 19-20, 2016

Victoria Community Center * 2905 E. North St. * Victoria, TX

Wednesday, October 19th		Thursday, October 20th		
Annex 1& 2		Annex 1&2		
7:30 - 10:30	<p>Cattlemen's College I 2 CEU's—(1 General, 1 IPM) *Plant Identification Contest *Innovative Pasture & Range Management <i>Dr. Megan Clayton, AgriLife Extension</i> *Overview of Government Programs Judith Canales, USDA Executive Director, <i>Farm Service Agency</i> *Beef Promotions Update <i>Mike McCravey, Texas Beef Council</i> *Pasture & Hay Field Weed Management Alternatives, <i>Dr. Josh McGinty, AgriLife Extension</i> Moderator—<i>Dr. Megan Clayton</i></p>	<p>Crops Management 2 CEU's—General *Commodity Marketing Update and Farm Assist Program <i>Mac Young, AgriLife Extension</i> *Stewardship of New Herbicide Technologies in Crops <i>Dr. Gaylon Morgan, AgriLife Extension</i> *Hybrid Testing Program & Precision Agriculture <i>Dr. Ronnie Schnell, AgriLife Extension</i> Moderator—<i>Mr. Mac Young</i></p>	<p>TDA License Recertification I 3 CEU's—(1 Gen, 1 IPM, 1 L&R) *Pesticide Compliance Issues (L&R) <i>Greg Baker, Texas Department of Agriculture</i> *Taming the Pasture Management Beast <i>Rob Brooks, Dow Agroscience</i> *Predator Control Alternatives <i>Eddie Davis, Texas Wildlife Services</i> *Health and Agriculture, Carissa Wilhelm, <i>AgriLife Extension</i> Moderator—<i>Mr. Greg Baker</i></p>	Annex 4
10:00	Trade Show		Trade Show	
Noon	<p>Luncheon – Mr. Darrell Glaser, U.S Family Farm Environmental Excellence Award Winner, 2014</p>		<p>Luncheon – Ms. Julie Borlaug, Associate Director for External Relations, Norman Borlaug Institute</p>	
1:30 - 4:30	<p>Cattlemen's College II 1 CEU's—General *Managing your Bull for Optimal Reproductive Soundness <i>Dr. Joe Paschal, AgriLife Extension</i> *The Future of Animal Agriculture <i>Dr. Dan Hale, AgriLife Extension</i> *Beef Industry and Sustainability <i>Dr. Dan Hale, AgriLife Extension</i> Moderator—<i>Dr. Joe Paschal</i></p>	<p>Wildlife & Health 1 CEU—General *Bobwhite Quail Ecology, <i>Dr. Eric Grahmann, Caesar Kleberg Wildlife Research Institute</i> *Pond Management Made Easy <i>Peter Woods, AgriLife Extension</i> *Managing for Wildlife, <i>Kirk Feuerbacher, The Nature Conservancy</i> Moderator—<i>Dr. Eric Grahmann</i></p>	<p>TDA License Recertification II 3 CEU's—(1 Gen, 1 IPM, and 1 L&R) *Water Issues in Agriculture <i>Dr. John Tracy, Texas Water Resources Institute</i> *TPM Strategies for Agriculture Dr. Robert Bowling, <i>AgriLife Extension</i> *Pesticide Laws & Regulations <i>Dr. Mark Matocha, AgriLife Extension</i> Moderator—<i>Dr. Robert Bowling</i></p>	<p>*Backyard Vegetable Gardening <i>Sandi Coleman, Victoria County Master Gardener</i></p>
7:00- closed	<p>Trade Show Healthy Cooking School, <i>AgriLifeExtension -Annex 3</i></p>	<p>Trade Show</p>		

Please check area(s) of the landscape maintenance industry in which you are involved:

- _____ Golf Course Maintenance
- _____ School Maintenance
- _____ Landscape Maintenance Company
- _____ Parks & Recreation Department
- _____ Structural Pest Control
- _____ Agriculture
- _____ Other (specify)

Registration Information:

Before October 7 - \$50 per person (includes 1 meal ticket)
After October 7 - \$70 per person

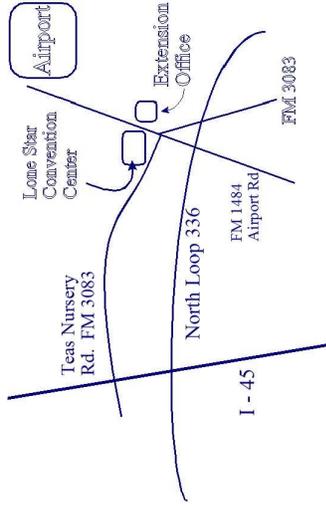
Make checks payable to:

Montgomery County Horticulture Committee

For more information call:
April Fagan, Conference Secretary
Montgomery County Extension Office
(936)539-7822

Programs of the Texas A&M AgriLife Extension Service are open to all citizens without regard to race, color, sex, disability, religion, age or national origin.

Map to the Lone Star Convention Center



Conference Organizing Committee:

Lauren Arnold-Parks Supervisor, Conroe Parks Department

Ray Brown-Pesticide Application Supervisor, Conroe Independent School District

Mike Heimer-Montgomery County Extension Agent -Agriculture

Joe Leggett-The Greenskeeper

Paul Nester-Extension Program Specialist-IPM

Gilbert Pacheco- Conroe Independent School District

Michael Potter-Montgomery County Extension Agent—Horticulture

John Morgan—Ewing

Area Motels:

Fairfield Inn & Suites by Marriott
(3010 I-45 North, Conroe)
(936)756-3040

LaQuinta Inn (4006 Sprayberry Lane, Conroe)
(936)228-0790

Holiday Inn Express (2240 Stoneside Drive, Conroe)
(936)788-5200

TEXAS A&M
AGRI LIFE
EXTENSION

23rd Annual



October 20, 2016

**The Lone Star Convention Center
Conroe, Texas**

Sponsored by the:

**Texas A&M AgriLife Extension Service
Montgomery County Office**

We invite you to join us for this year's Southeast Texas Grounds Maintenance Conference. We continue to improve our annual program based on suggestions from conference attendees. This year we have expanded the educational program to make it even more valuable to our participants.

We have included special sessions for PCOs (fire ants update, landscape disease problems, herbicides, turfgrass selection.) We hope you can join us for this top notch, intensive day of training, specially designed to serve the diverse needs of the Grounds Maintenance Industry. *Participants are not required to attend the entire conference to receive CEU credits for the sessions they attend.*

Continuing Education Credits pending:

- TDA-1 IPM, 1 Laws and Regs, 3 General
- SPCB-1 Weed, 1 Pest, 1 IPM, 1 Laws and Regs, 1 L&O

Conference Schedule:

- 7:30-8:15** Registration & Refreshments
- 8:15-8:30** Welcome and Conference Instructions
Mike Heimer
County Extension Agent-Agriculture
Texas A&M AgriLife Extension Service
- 8:30-9:30** **Management of Insects That Vector Diseases**
Dr. Paul Nester
Asst. Professor & Extension Specialist
Texas A&M AgriLife Extension Service
- SPCS-Pest**
- TDA-Gen**

- 9:40-10:40** **Turf Grass Management**
Dr. Ben Wherley
Extension Program Specialist
Texas A&M AgriLife Extension
- SPCS-IPM**
- TDA-IPM**
- 10:40-11:00** Break (Visit with vendors)
- 11:00 –12:00** **Soil Fertility for Optimum Growth**
Dr. Jake Mowrer
Asst. Professor & Extension
Texas A&M AgriLife Extension Service
- SPCS-Weed**
- TDA-Gen**
- 12:00-1:00** Catered Lunch: Included in
Registration Fee (Visit with vendors)
- 1:00-2:00** **Update on Laws & Regulations**
Dr. Don Renchie
Extension Program Specialist
Texas A&M AgriLife Extension Service
- SPCS-L&R**
- TDA-L&R**
- 2:00-2:15** Break (Visit with vendors)
- 2:15-3:15** **Equipment Calibration and Application Techniques**
Dr. Mat Matocha
Extension Program Specialist
Texas A&M AgriLife Extension
- SPCS-L&O**
- TDA-Gen**
- 3:15-3:25** Closing Comments/Surveys/Certificates

***This registration form will serve as your invoice. No invoices will be mailed.**

Thank you.

(ATTENTION: 1 REGISTRATION FORM PER PARTICIPANT: COPY IF NECESSARY)
(Please Tear Along Perforation)

Registration Form

T.D.A. License #: _____ S.P.C.S. License # _____
 Name: _____ Phone: _____
 Company, School or Organization _____
 Address _____ City _____ State _____ Zip _____
 (\$50/participant before Oct. 6; \$70/participant after Oct. 6) Check# _____ Purchase Order# _____
 Total Enclosed \$ _____

Mail to: Montgomery County Extension Office; 9020 Airport Road Conroe, TX 77303-4304
 (Make check payable to Montgomery County Horticulture Committee)
 *Registration form will serve as invoice. No invoices will be mailed.

RANCH MANAGEMENT UNIVERSITY

October 24-28, 2016

April and October

College Station, TX



For more information please contact: 979-862-8072

Matthew Brown: matthew.brown@tamu.edu

Larry Redmon, PhD: l-redmon@tamu.edu



Ranch Management University

An intensive 4.5-day event for new or inexperienced ranchers and landowners.

Topics covered include:

- Soils and soil fertility
- Forage establishment
- Pasture management
- Livestock management
- Wildlife management
- Horse management
- Small ruminant production
- Pond fisheries management
- Field demonstrations

All meals (breakfast, lunch, and supper) and break materials are included in the registration fee. Attendees all receive a giant manual filled with all Power Point presentations and a resource CD with ~100 publications regarding all aspects of livestock production, wildlife management, soils and fertility, forages, weed management, and much, much more.



For more information, visit:

<http://forages.tamu.edu/workshop.html>

Check us out on Facebook!



SAVE THE DATE

45th South Central



Texas Cow-Calf Clinic

October 28, 2016

At the Washington County Fairgrounds in Brenham, TX.

For details or to get involved keep checking our
website at Washington.agrilife.org or

Welcoming
Display Bulls
& Heifers!!

Like us on Facebook:
[www.facebook.com/
washingtoncountyextension](http://www.facebook.com/washingtoncountyextension)



TEXAS A&M
AGRILIFE
EXTENSION

2016 TBA Annual Conference

November 3-5th, 2016

Bell County Expo Center (Belton- Texas)

www.bellcountyexpo.com

Overcoming Obstacles in Modern Beekeeping

Thursday November 3rd

Mike Palmer

~Sustainable Apiary Workshop~

French Hill Apiaries – St. Albans City, Vermont

Texas Master Beekeepers Fall Testing

tais@tamu.edu

Friday November 4th

Opening Ceremonies begin at 8:00 am

Honey/Photo Contest entries begin

Sessions begin – 8:30 with Keynote Address by Mike Palmer

Session with multiple speakers throughout the day on various topics

7:00 pm Queen's Auction and Queen's Quiz Bowl

Saturday November 5th

TBA President-Chris Moore Introduction 8:00 am

Sessions begin – 8:15 with Mike Palmer

Sessions all day featuring multiple speakers on a variety of topics

6:30 pm – Reception and Awards Banquet and Queen's Auction

~Great Food – Great Fun – Great Cause~

Onsite Vendors selling the latest innovations in beekeeping as well as basic supplies!

Discount accommodations if booked prior to October 17th – La Quinta Inn & Suites (254)939-2772

Conference \$80 for TBA member individual, \$130 family (*non-member pricing also available*)

Luncheon and Banquet tickets purchased separately upon registration

Online registration Open Now thru October 22nd

Register early for discount pricing - At the door tickets available

<http://www.texasbeekeepers.org/annual-convention-2016>

Honey
Contest
winner
receives \$50
and 1st Place
Blue Ribbon!

Photo
Contest
winner will
be used for
the cover of
next year's
TBA
brochure!

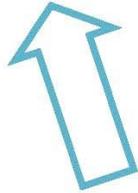


Waller County Master Gardeners

2017 FRUIT & NUT TREE SALE

Waller County Master Gardeners will be accepting pre-orders for fruit and nut trees soon! This includes:

Special Appearance
by Southern Gardens Expert
Dr. Bill Adams
Saturday, January 28



Apples	Kumquats	Oranges	Persimmons
Avocados	Lemons	Peaches	Plums
Figs	Limes	Pears	Pomegranate
Grapefruits	Nectarines	Pecans	Satsumas

Order forms and tree variety information will be available online at website: txmg.org/wallermg. Also on our Facebook page: Waller County Master Gardeners and at the Extension Office.

Visit us at Waller County Extension Office to place order:
Monday- Friday 9AM- noon during November. (excluding holidays)

Payment is due with order. (Cash, check, money order or credit card)

Waller County Master Gardeners
Texas A&M AgriLife Extension Service
Waller County Extension Office
846 6th street, Hempstead, TX.
Phone: 979-826-7651
Website: txmg.org/wallermg
Email:
wallermgardener2013@gmail.com

Pre-order deadline is November 30! No exceptions!

Pickup date: Saturday, January 28, 2017 10AM- 2PM
Location: Tegeler Used Cars
850 Business 290 North, Hempstead, TX., 77445



TEXAS A&M
AGRI LIFE
EXTENSION

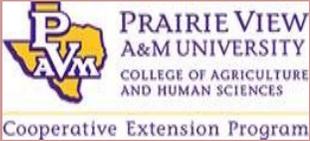
Waller County Master Gardener

Fruit	Variety	Description
Apple	Anna	Prolific crops of large, sweet, crisp fruit that stores for 2 months. Self-fruitful, but better production if pollinated by Dorsett Golden. A yellow apple with slight red blush. Fruit ripens in early June, softens fast. Optimum harvest is before 1/3 of the peel develops the red blush. 200 chill weeks.
Apple	Dorsett Golden	Large, firm, sweet, Golden Delicious type. Fruit ripens in June. If picked with a slight blush, the flavor is sweet, fruit is firm and will store several weeks. Plant with Anna for best cross-pollination. 100-200 chill hours. Self-fruitful.
Apple	Ein Sheimer	Heavy-bearing, very low chilling requirement. Sweet yellow apples in early summer. Excellent pollinator for Anna. Chill Hours, 100. Self-fruitful.
Avocado	Lila	Lila is a genetic clone of Opal. It is a medium-sized pear-shaped fruit promoted for its rich Mexican avocado flavor. This is a super cold-hardy variety that can handle temperatures as low as 15 degrees. Peaks about 10-15 feet.
Avocado	Joey	Named after Joey Rivers in Uvalde, Texas. Very cold hardy to the mid to upper teens, medium sized fruit, egg shaped, purple to black in color. Heavy producer. Ripens August to September.
Fig	Celeste	The Celest Fig tree can reach 25ft high. Vigorously growing tree. Very productive tree. Ripens early summer, before most other fig varieties. Fruits without pollination. The fruit is small and pear-shaped with ribbed sides. The color ranges from purple to brown, tinged with broze. The pulp is white or amber colored. Celeste figs are very sweet with a rich, fresh flavor.
Fig	LSU Purple	The LSU Purple Fig's flavor is excellent and mild with a high sugar content. It has a closed eye and resists spoilage. Light amber to light strawberry red flesh. Very vigorous upright grower and hardier than most fig trees. The fruit are about two to two and a half inches long. Very reliable and excellent in the ground or container grown. Great for the Gulf Coast and surrounding ar
Fig	LSU Gold	LSU Gold fig is a large flattened gold fig up to 1¾ inches in diameter. The amber flesh is tender and exceptionally sweet. It is a vigorous grower and makes a fig at every leaf axil. It has a small, slightly open eye but resists splitting and souring. The superb quality improves during a dry season. Great for eating or preserving
Fig	Texas Everbearing	Violet-brown skin and amber color flesh. Bears well, having two crops a year.
Grapefruit	Bloomsweet	One of the sweetest and hardiest varieties. Hefty- somewhat pear shaped, yellow fruit with succulent white flesh. Cold hardy to 17F. Fruit peels and section easily. Ripens November/December.
Grapefruit	Rio Red	Best of all red grapefruits; produced at an early age. Fruit is sweet, seedless and low in acid. The pulp and flesh are a deep red with high juice content. Ripens to late November. Holds well on the tree until March.
Kumquat	Changsou	Small ornamental tree; spreading form and thornless. Leaves are larger and broader than other kumquat varieties. Fruit is also larger and slightly different in shape. The rind is orange and thinner than Meiwa. Flesh is deliciously sweet-tangy and contains few seeds. Cold hardy, heavy
Lemon	Improved Meyer	A small tree with fabulous fragrant flowers. Produce continuous crops of moderately seedy fruit from August to January. Fruit is sweetest in January. Fruit heavily year after year. Thin-skinned, smooth, bright golden fruit. Tree is cold-hardy to 25F. May freeze to ground in particularly cold winters but produce again in 18 months.
Lime	Mexican Thornless	Known as a key lime, this small, excellent quality fruit is great in pies, limeade, gin & tonic and flavoring foods. Not cold tolerant. Keep in container and move inside during freezes. (Trifolate Root Stock)
Nectarine	Panamint	It does not require a heavy winter chill. The nectarines are medium to large, freestone, bright red with excellent flavor. Midseason bearing. Most adaptable of all fruit trees for home gardens. When planting, they should be spaced to allow a spread of 20 to 25 feet. At 3 to 4 years of age, they begin to bear large crops and reach peak productivity at 8 to 12 years. To maintain size and encourage new growth, heavy pruning is needed
Nectarine	Karla Rose	White flesh freestone fruit with deep red skin. Low acid. Semi-freestone. Excellent for fresh eating. 400-450 chill hours.
Nectarine	Early King	Sweet and juicy freestone fruit with yellow flesh and reddish-orange skin. Self fertile. 400 chill hours.
Orange	Cara Cara	The bright exterior is similar to other navels, but interior is a distinctive pinkish red and has an exceptionally sweet flavor with a tangy crangerry-like zing. They are seedless. It is a cross between the Washington navel and the Brazilian Bahia navel. Also known as the Pink Navel. Sweet and
Orange	Republic of Texas	Medium to large round fruit. Very flavorful and cold tolerant. Originated in 1847 near Angleton. Will grow to be a rather large tree with upright posture. Best taste in early January. A great, sweet orange that everyone should grow. Great for juicing.

Waller County Master Gardener

Fruit	Variety	Description
Peach	La Feliciana	A later ripening variety that yields a large, sweet, freestone peach. Big producer and excellent flavor. Great for home orchard. Self fertile.
Peach	Rio Grande	The Rio Grande Peach is a large, yellow-flesh fruit. Usually ripens around June. 450 Chill Hours needed. Rio Grande Peaches are freestone, meaning the seed/stone comes out clean.
Peach	Tex King	Large red freestone with firm yellow flesh. Bears large fruit with good productivity and excellent firmness. Hardy to below 10 degrees. Self fertile. 400 chill hours.
Peach	June Gold	Reddish-yellow fruit with yellow, sweet flesh. Freestone. Self Fertile. Perfect for eating fresh or for baking.
Peach	Harvester	Reddish-yellow fruit with yellow, sweet flesh. Freestone. Self Fertile. Perfect for eating fresh or for baking.
Pear	Keiffer	Oriental pear with large yellow fruit. White flesh is crisp and juicy, with a coarse texture. It produces fruit in fall. Very hardy and tolerates hot climates. Self pollinating. 400 chill hours.
Pear	Shinseki	Shinseki is a round, medium sized, golden pear with sweet, white, crisp and juicy flesh. Fruit ripens in late July, to mid August and stores well until March. Bears fruit at a young age and requires 250-450 chill hours. Great quality pear.
Pear	Moonglow	Large fruited, similar in appearance to Bartlett. Soft and juicy flesh. Good pollinator for other pear varieties. 500 chill hours.
Pecan	Choctaw	Thin hull, large and attractive. Nut is high in oil content. Good residential lawn tree. Plant with another variety for best production. Protogynous.
Pecan	Desirable	Vigorous growing, disease resistant tree. Good sized, soft-shelled nut. About 55% meat. Protandrous.
Pecan	Kiowa	This is a Mahan-Odom cross. Nuts are large-oblong needing 45- to 50 nuts to make a pound. Bears early and heavy crops of excellent quality nuts. Protogynous.
Pecan	Pawnee	Large nut with good kernal quality. Earliest mature variety. Good for drier areas. Protandrous.
Pecan	Kanza	Compact, easily shelled nut with outstanding flavor. Excellent shade tree with good cold tolerance and disease resistance. Pollinate with
Persimmon	Fuyu	Flat fruit that is crunchy when ripe. Sweet, flavorful, non-astringent. Very easy to grow. Does well in both heat and cool. Ripens late November to December. Self-pollinating.
Persimmon	Hachiya	Rounded, slightly elongated and acorn-shaped, coming to a blunted point at their non-stem end. When fully ripe the fruits are a beautiful deep orange. Another indicator of ripeness is that the fruit should feel like a water balloon when resting in your hand. The skins are thin, similar to a tomato. The flesh is even deeper orange in color and more striking than the skin. Ripens late in year. Self-pollinating.
Plum	Bruce	Japanese plum. Produces fruit with a sweet flavor. Self fertile and early ripening. Perfect for home garden. Self fertile. 500 chill hours.
Plum	Methley	Excellent quality but needs to be picked when ripe as it develops a jelly-like texture. Mild flavor, excellent for fresh eating or jelly. Self-fertile with good disease tolerance. Small, reddish purple fruit in May with a burgundy flesh color. 250 chill hours.
Pomegranate	Garnet Sash	Heavy producer. Slightly dwarf tree. Fruit has a sweet but tart juice. 150 to 200 chill hours. Self Fruitful.
Satsuma	Owari	The original satsuma. Very good flavor, great production. Has 0-6 seeds per fruit. As maturity passes, the neck increases in size. The rind roughens and loosens. Tree moderately vigorous but slow-growing; medium-small sized fruit, spreading and drooping. Ripens late November.
Satsuma	Milho	Medium-sized, spreading tree with deep green foliage. Slightly more cold-hardy than the other Satsumas. Medium-sized, bright red-orange fruit. Rind is smooth, then and leathery. Fruit has an extremely sweet, good flavor and is seedless. Very sweet fruit with upright but low-

**TEXAS A&M
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Help stray livestock get home

Property
Gate Signs

\$12
each

OWNER/AGENT: _____
Waller County
Sheriff's Office 979-826-8282 #XXXX

Unclaimed livestock strays will be held in the custody of Waller County Civil Division a minimum of 18 days and a Notice of the impoundment may be posted on the public notice board at the county courthouse, posted on the website, posted on Facebook or advertised in the local newspaper once per week, for two consecutive weeks and the animal will be held an additional 3 days at the conclusion of the advertisement. In an effort to expedite locating the owner(s) of stray livestock, the Waller County Texas A&M AgriLife Extension Office, through the Beef & Forage is offering pasture gate signs to assist law enforcement in identification of landowners and operators.

These signs are available to the residents of Waller County for \$12.00 each and are about 5"x20" in size. They can be attached to gates or fences where they are visible from the road. The signs are durable and individualized for each producer with an assessing number and a place for a phone number, Ranch name, or Owners Name.

Please call Waller County Extension Office at 979-826-7651 or visit the Extension office at 846 6th Street in Hempstead, TX for further information or to purchase yours today.

Texas A&M AgriLife Extension Service
Waller County Office &
Beef & Forage Committee

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