TEXAS A&M AGRILIFE EXTENSION

San Patricio Agriculture

"Agriculture Affects Everyone"

January, 2015 Volume 4, Issue 1

SPECIAL POINTS OF INTEREST:

* January 30, 2015
  Field Crop Symposium
* February 20, 2015
  Coastal Bend Landscapers Conference
* March 26, 2015
  Grass Growers Gathering
* April 15, 2015
  Municipal Irrigation Workshop
* April 15, 2015
  Residential Irrigation Workshop
* April 22, 2015
  Coastal Bend Grain Storage & Handlers Safety Conference

If you would prefer to receive this newsletter by email instead of by U.S. Postal Service, please contact the Extension Office at 361/364-6234 or by email - sanpatri@ag.tamu.edu

FOLLOW ME ON TWITTER @bmcagnr

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

Hello again,

January has started off rapidly and with stock show season around the corner it will get busy quickly. The much needed moisture we have been blessed with, has improved our soil moisture profile and given us a good start for the 2015 growing season.

Two deadlines fast approaching with regards to 2015 are February 27, 2015 which is the last day to re-allocate bases and update yields and March 31 which is the last day to enroll in PLC or ARC. If you have questions regarding these deadlines you need to contact your local Farm Service Agency Office. In Sinton the phone number is 361-364-2625 ext. 2.

I also want to include the Agricultural & Food Policy website, ww.afpc.tamu.edu. Here you will find the Farm Bill Decision Aid Tool and podcasts to guide you through the process. There is also a help line, 1-888-890-5663, that you are encouraged to use if you have any questions.

I hope you will make plans to attend the Field Crop Symposium at the Texas A&M AgriLife and Research Center, Hwy 44 in Corpus Christi on January 30, 2015. This program is hosted by Nueces & San Patricio County AgriLife Extension will offer 5 TDA CEU's and 6 CCA CEU's. Please see flyer for more details.

I have included a flyer Generation Next. This two day program is coming to Corpus Christi April 9 and 10, 2015. This looks to be an informative program designed for children and grandchildren of landowners but pertinent to many new landowners or those who maybe landowners in the future.

The last CEU opportunity for those whose licenses will expire on February 28, 2015, is The Coastal Bend Landscapers Conference to be held February 20, 2015 at the AgriLife Extension and Research Center in Corpus. We expect to offer 5 TDA CEU's and 5 TNLA CEU's. See flyer for more details. Anyone interested is encouraged to register.

Finally, data from recent brush demonstrations is also included in this newsletter. I have been assisting Dr. Megan Clayton with these demonstrations and I want to thank her for her diligence in seeing these projects to completion. I also want to thank Welder Wildlife Foundation and Nedbalek Farms for allowing us to use their property to conduct these tests.

I am looking forward to the San Patricio-Aransas County A&H Show. The show officially gets started on Saturday, January 17, 2015 with the Pen of Three Commercial Heifer Show & Sale and ends January 24, 2015 with the Premium Auction Sale that starts at 1:00 pm. Good luck to all participants! Enclosed is a schedule of events for the show.

Until next time,

FIELD CROP SYMPOSIUM

TEXAS A&M AGRILIFE EXTENSION

Extending Knowledge. Providing Solutions.

Texas A&M AgriLife Extension Service - Nueces Co. Office
710 E. Main St.,Ste 1
Robstown, TX 78380

Phone: 361.767.5223
Fax: 361.767.5248
E-mail: j-ott@tamu.edu

http://nueces.agrilife.org/

6 CEUs Offered

January 30, 2015

Texas A&M Research and Extension Center
10345 Highway 44
Corpus Christi, TX

TENTATIVE AGENDA

8:00 – 8:30 am	**Registration, Coffee, and Donuts**
8:30 – 8:35 am	**Welcome and Introduction**
8:35 – 9:20 am	**Cropping Systems for the Coastal Bend** Dr. Juan Landivar, Texas A&M AgriLife Research, Corpus Christi
9:20 – 10:05 am	**Pest Management: Sugarcane Aphids and Beyond** Dr. Robert Bowling, Texas A&M AgriLife Extension, Corpus Christi
10:05 – 10:20 am	**Break**
10:20 – 11:05 am	**Topguard Application Strategies and Other Disease Management Issues for Cotton and Sorghum** Dr. Tom Isakeit, Texas A&M AgriLife Extension, College Station
11:05 – 11:50 am	**Preparing For Planting** Dr. Josh McGinty, Texas A&M AgriLife Extension, Corpus Christi
11:50 – 12:30 pm	**Catered Lunch**
12:30 – 1:00 pm	**Determining Breakeven Price per Bushel/Pound** Dr. Levi Russell, Texas A&M AgriLife Extension, Corpus Christi
1:00 – 1:30 pm	**State of the Fertilizer Industry and Nutrient Management** Dr. Larry Unruh, American Plant Food Corporation, Galena Park
1:30 – 1:45 pm	**Break**
1:45 – 2:45 pm	**Review of Texas Pesticide Laws and Regulations** Jason Ott, Nueces County Extension Agent, Ag/NR
2:45—2:55 pm	**Review and Evaluation of Program**
2:45 pm	**Issue CEU Certificates and Adjourn**

Please RSVP to 361.767.5223 by January 23rd. A participation fee of $20 will be charged to all participants and include a catered lunch.

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Comparison of Herbicides for Ground Broadcast Huisache Management
Final Report
Austin and San Patricio Counties

Cooperators: Private Landowner & Welder Wildlife Foundation

Philip Shackleford, County Extension Agent, Austin County
Bobby McCool, County Extension Agent, San Patricio County
Jason Ott, County Extension Agent, Nueces County
Megan Clayton, Extension Range Specialist

Summary
Combinations of herbicides for ground-broadcast application were installed at two locations for huisache management. One site was on a private landowner's property in Austin County and the other site was located at Welder Wildlife Refuge in San Patricio County. Both treatments tested provided over 90% control on smaller huisache trees.

Objective
The purpose of this project was to test efficacy of two different herbicide combinations for huisache management.

Materials and Methods
Treatments were established in Austin County on 25 October 2012 and San Patricio County on 1 November 2012. Treatments were applied with an ATV equipped with a Boom Buster nozzle at the rate of 15 gallons of spray volume per acre. MSO was included in all treatments. All treatments were replicated 3 times in plots sized 20' x 100'.

Austin County:

91°F Temperature
76°F Soil Temperature
Soil Moisture = 7
Soil Texture is Sandy Loam
54% Relative Humidity
5.4 mph S-SW Wind
90% leaf potential
Trees 3' tall

San Patricio County:

80°F Temperature
71°F Soil Temperature
Soil Moisture = 4
Soil Texture is Victoria Clay
76% Relative Humidity
1.7 mph SE Wind
75% leaf potential, 5% new leaf
Trees 4' tal

Results and Discussion
Both treatments provided very high control, but it is important to note the size of trees (3-4' tall) and soil moisture (4-7). These factors likely contributed to the high kill.

Table 1. Huisache treatments and one- and two-year apparent plant-mortality.

Treatment	Austin County		San Patricio County		Overall	
	1 YAT	2 YAT	1 YAT	2 YAT	1 YAT	2 YAT
Sendero 28 pz/ac	100	100	83	83*	92	92
Grazon P+D 1 gal/ac + Milestone 7 oz/ac	100	100	97	97*	98	98

*Over 50% topkill

Conclusions

Both of the treatments provided over 90% plant-kill. Although the Grazon P+D and Milestone option provided 6% more control, Sendero would be more economical for huisache management.

Acknowledgements

Appreciation is expressed to Dow AgroSciences for support of this project.

Comparison of Herbicides for Individual Plant Treatment (IPT)
Huisache Management
Final Report
Karnes and San Patricio Counties

Cooperators: Mixon Ranch & Nedbalek Farm

JD Folbre, County Extension Agent, Karnes County
Bobby McCool, County Extension Agent, San Patricio County
Megan Clayton, Extension Range Specialist

Summary

Rates of Sendero on huisache as individual plant treatment (IPT) were installed at Mixon Ranch in Karnes County on 19 October 2012 and Nebdalek Farms on 22 October 2012. Huisache control was 100% for all rates of Sendero tested and 80% for the standard, Grazon P+D.

Objective

The purpose of this project was to test efficacy of different rates of Sendro and the chemical standard, Grazon P+D for IPT huisache management.

Materials and Methods

Treatments were established in Karnes County on 19 October 2012 and San Patricio County on 22 October 2012. Treatments were applied with a Solo backpack sprayer equipped with a TeeJet X8 nozzle spraying until all leaves were wet, but not dripping. Surfactant was included at 0.25%, and blue dye at 0.5% for all treatments.

Karnes County:

77.5°F Temperature
74°F Soil Temperature
42% Relative Humidity
4 mph E Wind
100% leaf potential
Trees multistem 4.5' tall

San Patricio County:

82°F Temperature
76°F Soil Temperature
78% Relative Humidity
5 mph SSE Wind
100% leaf potential
Trees multistem 5" tall

Table 1. Huisache treatments, one- and two-year apparent plant-mortality.

Treatment	Karnes County		San Patricio County		Overall	
	1 YAT	2 YAT	1 YAT	2 YAT	1 YAT	2 YAT
Sendero 1/2%	100	100	100	100	100	100
Sendero 3/4 %	100	100	100	100	100	100
Sendero 1%	100	100	100	Trt Removed	100	-------
Grazon P+D 1%	80	90	100	71*	85	80.5

*Basal Respouting

Conclusions

Sendero was very effective at controlling huisache through individual plant treatment methods at all rates. As compared to the standard chemical recommended for IPT treatment of huisache, Grazon P+D, Sendero controlled the trees slightly better. However, an 80% control rating for huisache is still considered very high control.

Acknowledgements

Appreciation is expressed to Dow AgroSciences for support of this project.

Comparison of Herbicides for Ground Broadcast Honey Mesquite Management
Final Report
San Patricio County

Cooperators: Nedbalek Farms

Bobby McCool, County Extension Agent, San Patricio County
Megan Clayton, Extension Range Specialist

Summary
Sendero and the previous standard for Honey mesquite, Remedy Ultra and Reclaim, were applied with a ground-broadcast application in San Patricio County. Both treatments tested provided high to very high control of mesquite.

Objective
The purpose of this project was to test efficacy of Sendero, a relatively new herbicide with the standard recommendation for honey mesquite management.

Materials and Methods
Treatments were established in San Patricio County on 13 June 2012 and were applied with an ATV equipped with a Boom Buster nozzle at the rate of 15 gallons of spray volume per acre. MSO was included in all treatments at a 1% rate. Both treatments were replicated 3 times in plots sized 20' x 100'.
Conditions:
87°F Temperature
Soil Texture is Hard clay Loam
73% Relative Humidity
2 mph SE Wind
90% leaf potential
Trees 4.5' tall

Results and Discussion
Both treatments provided high to very high control. Sendero did not rate as high at one year after treatment, but at the second year evaluation, another plant was found. A few huisache were also in the plot, but no plant kill was observed.

Table 1. Honey mesquite treatments and one- and two-year apparent plant-mortality.

Treatment	% Kill	
	1 YAT	2 YAT
Sendero 28 pz/ac	56	83
Remedy Ultra 16 oz/ac Reclaim 11 oz/ac	75	75

Conclusions
Sendero provided very high control of honey mesquite, while Remedy Ultra and Reclaim, the previous standard recommendation, provided high control.

Acknowledgements
Appreciation is expressed to Dow AgroSciences for support of this project.

Trade names of commercial products used in this report is included only for better understanding and clarity. Reference to commercial products or trade names is made with the understanding that no discrimination is intended and no endorsement by Texas AgriLife Extension Service and the Texas A&M University System is implied. Readers should realize that results from one experiment do not represent conclusive evidence that the same response would occur where conditions vary.

Coastal Bend Landscapers' Conference

FRIDAY, FEBRUARY 20, 2015

8:00AM — 2:45PM

5 CEUs TDA & TNLA Offered

TEXAS A&M AGRILIFE EXTENSION

Texas A&M AgriLife Research and Extension Center
10345 Hwy 44 , Corpus Christi, TX

TOPICS

- **Integrated Pest Management**
- **Rainfall Capture & Retention Methods**
- **Drift Management & Calibration**
- **Tree Care Issues: Managing Key Pests of Trees**
- **Tomato Problem Solver**
- **Review of Pesticide Laws & Regulations**

Pre-registration required by February 16 by calling
(361) 767-5217
Fee: $40 (includes lunch)

Make checks payable to NCEPC
(Nueces County Extension Program Council)

For More Information Contact:

Texas A&M AgriLife
Extension Service—
Nueces County
710 E. Main, Suite 1
Robstown, TX 78380
(361) 767-5217

Sponsored by: Texas A&M AgriLife Extension Service, Nueces Horticulture Advisory Committee and Nueces County Extension LAB

INDIVIDUALS WITH DISABILITIES WHO REQUIRE AN AUXILIARY AID, SERVICE OR ACCOMMODATION IN ORDER TO PARTICIPATE IN ANY EXTENSION EVENT ARE ENCOURAGED TO CONTACT THEIR COUNTY EXTENSION OFFICE AT (361) 767-5217 AT LEAST ONE WEEK IN ADVANCE OF THE PROGRAM INORDER FOR PROPER ARRANGEMENTS TO BE MADE.

GRASS TETANY

Feed - Lot Magazine January 5, 2015

Grass tetany is considered a problem that usually occurs when cattle or sheep are eating lush, spring grass or annual cereal forages such as rye, wheat or triticale; but, it can also occur when cattle are being fed harvested forages.

Grass tetany, sometimes called grass staggers or hypomagnesaemia, is a metabolic disorder of cattle related to a deficiency of magnesium (Mg). Magnesium is a critical mineral to the nervous system and muscle function. Low levels of magnesium can result in cattle that exhibit hyper-excitability, reduced feed intake, and muscle twitching, especially around the face and ears. Cattle may also appear uncoordinated and walk with stiff gait.

Texas Notice FLP-926 **EXHIBIT F**

USDA FSA

NEWS RELEASE

UNITED STATES DEPARTMENT OF AGRICULTURE • FARM SERVICE AGENCY

USDA
Farm Service Agency

2287 N. Texas Blvd., Suite 3
Alice, TX 78332-3310

FSA ACCEPTING EMERGENCY LOAN APPLICATIONS January 13, 2015

Aransas, Bee, Jim Wells, Nueces, Refugio, San Patricio, Brooks, Duval, Jim Hogg, Kenedy, Kleberg, Live Oak, McMullen and Webb Counties was declared eligible for Farm Service Agency (FSA) disaster emergency loans based on damages and losses caused by **drought January 1, 2014 and continuing.** Generally, that means that farmers who have lost at least 30 percent of their **production or suffered any physical loss** due to the **drought January 1, 2014 and continuing** are eligible for FSA loans. Proceeds from crop insurance and/or hazard insurance are taken into consideration when determining a producer's eligibility and total loss.

FSA Farm Loan Manager, **Roel Garza**, is urging farmers who are interested in receiving an emergency loan to submit their applications into FSA as soon as possible. **Garza** said, "We hope farmers will get their applications in early rather than waiting until near the deadline, which is **September 8, 2015**. The longer they wait, the more chance there is for long delays. If the applications come in early, we can avoid backlogs and speed up the process."

The FSA office is at **2287 N. Texas Blvd., Suite 3** in **Alice**. The telephone number is **361-668-8361 Ext. 2.**

GENERATION NEXT

Our Turn to Ranch

Join us for a 2-Day Agricultural Business Start-Up School

- ✓ Gain ideas about 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

Available In

San Angelo: March 5th-6th

Stephenville: March 12th-13th

Corpus Christi: April 9th-10th

Course Includes: 2 Days of Expert Instruction, a Resource Notebook & File Drive, 5 included meals, and Earn a Generation Next School Completion Certificate

Registration Fee: $100 ($25 discount for students)
Limited to the first 50 people per location
To Register: https://agriliferegister.tamu.edu/ESSM
Or call 979-845-2604

TEXAS A&M AGRILIFE EXTENSION

SCHEDULE OF EVENTS 2015
SAN PATRICIO-ARANSAS COUNTIES A&H SHOW

	SATURDAY, JANUARY 10
5:00 p.m.	Queen's Contest
	SATURDAY, JANUARY 17
1:00 p.m.	Pen of Three Heifer Show, followed by Auction at 5:00 p.m.
	SUNDAY, JANUARY 18
8:00 a.m. Check in	Check in Horses
9:00 a.m.	Horse Show
	MONDAY, JANUARY 19
5:00 p.m. to 7:00 p.m.	Check in Textile, Clothing, Handicraft, Fine Art and Photography entries
	TUESDAY, JANUARY 20
8:00 a.m. to 10:00 a.m.	Check in Foods entries
10:00 a.m.	Judging of all Homemaking Division entries (closed to public)
	WEDNESDAY, JANUARY 21
8:00 a.m. to 10:00 a.m.	Check in Poultry and Rabbit entries
8:00 a.m. to 12:00 noon	Check in Steers, Breeding Beef, Hogs, Lambs, Goats
8:30 a.m.	Special Show
12:00 Noon	Judging of Poultry
1:00 p.m. to 3:00 p.m.	Weigh in and sift Meat Goats
1:00 p.m. to 4:00 p.m.	Weigh in and Classify Market Hogs
3:00 p.m. to 5:00 p.m.	Weigh in and Classify Market Steers and Breeding Beef
3:00 p.m. to 6:00 p.m.	Weigh in Market Lambs
5:00 p.m.	Judging of Rabbits
5:00 p.m. to 7:00 p.m.	Check in Ag Mech Projects
	THURSDAY, JANUARY 22
9:00 a.m. to 5:00 p.m.	Homemaking Building open to Public
8:00 a.m.	Judging of Meat Goats
12:00 noon	Judging of Ag Mech Projects
3:00 p.m.	Judging of Market Steers
	Division I - British and Crosses of Purebred British Breeds
	Division II - American
	Division III - Exotic
	SELECTION OF GRAND AND RESERVE CHAMPIONS
Immediately Following Steers	Judging of Breeding Beef
7:30 p. m	Judging of Market Lambs
	Division I - Predominately Southdown or Shropshire
	Division II - Fine Wool
	Division III - Fine Wool Cross
	Division IV - Medium Wool
	SELECTION OF GRAND AND RESERVE CHAMPIONS
	FRIDAY JANUARY 23
9:00 a.m. to 6:00 p.m.	Homemaking Building open to Public
8:00 a.m.	Judging of Market Hogs
	Division I - Duroc
	Division II - Hampshire
	Division III - Crosses
	Division IV - Yorkshire
	Division V - Other Purebred Breeds
	SELECTION OF GRAND AND RESERVE CHAMPIONS
1 hour After Hog Show	Awards – Ag Mech
4:30 p.m.	All Around Senior Showmanship Contest
6:00 p.m.	Junior Livestock Judging Contest
	SATURDAY JANUARY 24
9:00 a.m. to 3:00 p.m.	Homemaking Building open to Public
8:00 a.m. until 10:00 a.m.	Check out "take home" Steers, Hogs, Lambs, Goats, Poultry, Rabbits not in Auction Sale
10:00 a.m. to 6:00 p.m.	Ag Mech Silent Acution
12:30 p.m.	Parade of Champions (Homemaking Division, Horse Division)
1:00 p.m.	Auction Sale

Bobby R. McCool
San Patricio County Extension Agent
Agriculture/Natural Resources
219 N. Vineyard
Sinton, TX 78387

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http://sanpatricio.agrilife.org

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Individuals with disabilities who require an auxiliary aid, service, or accommodation in order to participate in any Extension event are encouraged to contact their County Extension Office at 361-364-6234 at least one week in advance of the program in order for proper arrangements to be made.

In the event of a name, address or phone number change please contact the office at:

Texas A&M AgriLife Extension Service
219 N. Vineyard Attn: Ag/NR
Sinton, Texas 78387
(361) 364-6234

Bobby R. McCool
County Extension Agent
Agriculture/Natural Resources
Texas A&M AgriLife Extension Service, San Patricio County