Hello again,

So far so good. Harvest has moved along well thus far and good yields for the most part have been the norm. Corn harvest has been completed, there is very little grain sorghum that has not been cut, and a considerable amount of cotton has been picked, but we still have a ways to go. Hopefully mother nature will cooperate a few more weeks and the majority of cotton should be out.

I want to call attention to the fact that Ag Producers, Ag/Timber number, will need to be renewed before January 1, 2016. Texas law requires a person claiming an exemption from sales tax on the purchase of certain items used to produce agricultural and timber products for sale to hold an Agricultural and Timber Exemption Registration Number (Ag/Timber Number).

The law also requires the Ag/Timber Number to be renewed every four years on a uniform date, regardless of the date the number was first issued. Renewals will begin in October and according to http://comptroller.texas.gov/taxinfo/agriculture/ you can renew by phone, online or by mail. If your current mailing address has not changed you should receive a renewal reminder. The above website address will also be posted on http://sanpatricio.agrilife.org. Reminder, if you have the ability to download the QR Code scanner app, you can take a picture of the QR Code on the back page of this newsletter and be taken directly to the county website.

We are now planning our 2015-2016 educational events. Please, if you have any suggestions of Ag or Natural Resource topics that you believe need to be addressed, let me know and I will begin the process of incorporating them into our program planning process.

I also want to call attention to the Fall CEU Conference which will be held October 29, 2015 at the Texas A&M AgriLife Research & Extension Center in Corpus Christi. We have slated Mary Fox with Texas Department of Agriculture who will present on Pesticide Audits and Worker Protection Standards, Dr. Robert Bowling will talk about the old world boll worm, helicoverpa armigera, Bermuda grass stem maggot and sugar cane aphids, Dr. Josh McGinty will discuss weed management, Stephen Biles will give an overview of insect pressure of 2015 and possible scenarios for 2016 and Dr. Megan Clayton and Dr. Ginty will provide a weed identification exercise with both row crop and rangeland weed pests. Jason and I hope you will mark your calendars for this program.

Included in this newsletter are the results from 3 crop trials conducted in San Patricio County. I want to give special thanks to Andy Miller Farms and Ring Bros Farms for the use of their resources to see these tests to completion. I also want to thank Dennis Pietsch and Jonathan Moreno with Texas A&M Crop Testing Program for planting and data collection on the corn tests.

There are several other programs coming up, please see fliers for details and I hope you will plan to attend as well. October is a big month for Agricultural activities in San Patricio County and if given the opportunity Thank a Farmer, I know they will appreciate it.

Till next time,
**CORN - HOW MUCH GOES TO BEEF?**

We often see statements about how much corn cattle eat to produce beef and how much better the world would be if that corn went directly to humans. Just how much of U.S. corn production actually goes to beef cattle? Of the total domestic use of corn, 11.3% is used by beef cattle. Some corn is exported so, of total U.S. corn production, 9.4% is used by beef cattle. Even when combined, beef, dairy, pork, and poultry account for 44.9% of total domestic use of corn and 36.4% of total U.S. corn production.

(USDA Feed Grain Database and Agricultural Marketing Resource Center, 12/19/14)

**WORLD CATTLE NUMBERS**

According to the United Nations Food and Agriculture Organization, the most recent data (2013) show 1,468 billion cattle worldwide. Brazil leads with 211.8 million (14.4% of world total), followed by India (189.0 million, 12.9%), China (113.5 million, 7.8%), and the U.S. (89.3 million, 6.1%), giving these four countries over 40% of the world’s total. While the U.S. is only fourth in numbers it is first in total beef production. Rounding out the top 10 in numerical order are Ethiopia, Argentina, Sudan, Pakistan, Mexico, and Australia, but no other country has as much as 4% of the total. There are 104 countries (of 209 listed) with over 1 million head. Greenland is last, with 15 head.

(http://faostat3.fao.org/browse/Q/QA/E)
### San Patricio County Irrigated Corn Hybrid Test

**Ring Brothers Farm - Cooperator**

<table>
<thead>
<tr>
<th>Brand</th>
<th>Hybrid</th>
<th>Moisture %</th>
<th>Test Weight lb/bu</th>
<th>Adj. Yield lb/acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Golden Acres</td>
<td>G6811</td>
<td>14.3 b</td>
<td>56.4 c</td>
<td>134.4 a</td>
</tr>
<tr>
<td>Golden Acres</td>
<td>G5621</td>
<td>13.5 d</td>
<td>58.7 a</td>
<td>128.1 a</td>
</tr>
<tr>
<td>Mycogen</td>
<td>2C797</td>
<td>13.9 c</td>
<td>54.9 d</td>
<td>127.1 a</td>
</tr>
<tr>
<td>Terral</td>
<td>23BHR55</td>
<td>13.9 c</td>
<td>54.9 d</td>
<td>122.1 a</td>
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<tr>
<td>Dekalb</td>
<td>66-40</td>
<td>13.2 de</td>
<td>56.5 c</td>
<td>121.9 a</td>
</tr>
<tr>
<td>Dekalb</td>
<td>64-69</td>
<td>14.0 bc</td>
<td>57.6 b</td>
<td>121.6 a</td>
</tr>
<tr>
<td>Pioneer</td>
<td>P1395</td>
<td>14.0 bc</td>
<td>56.6 c</td>
<td>117.5 a</td>
</tr>
<tr>
<td>Mycogen</td>
<td>2D848</td>
<td>16.7 a</td>
<td>55.1 d</td>
<td>116.4 a</td>
</tr>
<tr>
<td>Pioneer</td>
<td>P1401</td>
<td>14.0 bc</td>
<td>56.2 c</td>
<td>115.3 a</td>
</tr>
<tr>
<td>Golden Acres</td>
<td>7672</td>
<td>13.0 e</td>
<td>52.8 e</td>
<td>105.5 a</td>
</tr>
</tbody>
</table>

**Mean**
- Moisture: 14.0
- Test Weight: 56.0
- Adj. Yield: 121.0

**Std. Dev.**
- Moisture: 1.01
- Test Weight: 1.74
- Adj. Yield: 12.79

**C.V %**
- Moisture: 7.22
- Test Weight: 3.12
- Adj. Yield: 10.57

**L.S.D.**
- Moisture: 0.3673
- Test Weight: 0.8712
- Adj. Yield: N/A

**p>f (hybrid)**
- Moisture: <0.0001
- Test Weight: <0.0001
- Adj. Yield: 0.0986

*mean separation via Fisher’s protected LSD @ 0.05
Adjusted yield standardized to 15.5% moisture
# of Rows 2; Row Length 26ft; # of Reps 4; N-112#; S-7#, 1.5 gal/ac 6-24-6

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### Texas A&M AgriLife Research

**Monthly Seminar Series**

**Sugar Cane Aphid on Sorghum: Southern Texas Update**

Robert Bowling  
Texas A&M AgriLife Extension  
Corpus Christi

Meetings will be broadcast via the web. Use this link for online meeting location: [https://texasrangeclassroom.adobeconnect.com/coastalbend/](https://texasrangeclassroom.adobeconnect.com/coastalbend/)  
and this link for system check: [http://ccag.tamu.edu/files/2014/01/online.pdf](http://ccag.tamu.edu/files/2014/01/online.pdf)

September 14, 2015  
Program starts at 1 p.m.  
Texas A&M AgriLife Research & Extension Center  
10345 Hwy 44  
Corpus Christi, TX 78406  
Center Auditorium  
Contact phone: 361.265.9201  
E-mail: s-klock@tamu.edu

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San Patricio Agriculture “Agriculture Affects Everyone”
There is some concern within the County with regards to 2,4-D use near unfinished cotton. The current regulation is:

**San Patricio County** - No permit is required during the period beginning August 15 and ending March 1 of the following year. Application of regulated herbicides during the period of March 2 through August 14 must be in compliance with the Act, Subchapter G and regulations adopted thereunder. Only boom-type equipment can be used, for ground applications with nozzle height not to exceed 24 inches and maximum pressure not to exceed 20 pounds per square inch. The use of 2,4-D amine herbicides must meet the following requirements for both ground and aerial applications:

1. wind velocity of 0-5 mph downwind within 16 rows and upwind 8 rows;
2. wind velocity of 6-10 mph downwind 1/8 mile and upwind 8 rows.

In a conversation with Dr. Gaylon Morgan, he states recent research trials demonstrated that low rates of 2,4-D applications on cotton has virtually no impact on cotton yields once cotton has completed bloom. He went further to say “However, when applied to mature cotton (70+%) it will cause leaves to stick. All that to say if you are going to be using any of these products watch your drift and give your neighbors a chance to get all they can from their labors.

Nueces and San Patricio Counties

Spring Wheat Workshop

September 23, 2015
10:30 to 1:30
To be held at the
Johnny Calderon
Nueces County Building
710 East Main,
Robstown, TX.

A participation fee of $15 which includes lunch will be charged at the door.
Please RSVP by September 16, 2015
By calling 361.767.5223

Workshop Topics

Spring Wheat Variety Performance Data
Insect Management
Dealing With Foliar Disease
Weed Management
Fertility Management

Texas A&M AgriLife Extension Service
Nueces County
710 East Main Street
Suite 1
Robstown, TX 78380
Phone: 361.767.5223
Fax: 361.767.5248
E-mail: j-ott@tamu.edu

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.

San Patricio Agriculture “Agriculture Affects Everyone”
Introduction to Aquaponics

Join AgriLife Fisheries Specialist, Peter Woods for an informative short course on the Basics of Aquaponics.

September 24th
8:30 to 3:00pm

Aquaponics is a method of growing plants in a symbiotic relationship with fish. The fish waste feeds the plants, the plants clean the water that returns to the fish!

Register now to attend this full day Aquaponics Workshop. You will gain insight into how to design and manage your very own backyard aquaponics system, as well as, learn about the marketing strategies, business planning, and economics of larger aquaponics systems.

Topics to be Covered:
- System Design and Terminology
- Planting and Harvesting Techniques
- Fish Health and Water Quality
- Marketing Aquaponic Produce
- Economics of an Aquaponic System

To be held at:
DELMAR ECONOMIC DEVELOPMENT CENTER, ROOM 117
3209 S. STAPLES
CORPUS CHRISTI, TX 78404

A participation fee of $30, which includes lunch and a light breakfast, will be charged at the door. Seating is limited to the first 30 participants to RSVP before September 17th to:

Texas A&M AgriLife Extension Service
Nueces And San Patricio Counties
710 East Main
Robstown, TX 78380
361.767.5223
j-ott@tamu.edu

San Patricio Agriculture “Agriculture Affects Everyone”
2015 Soil Testing Campaign

From **October 1 thru November 20, 2015**, Monday thru Friday from 8-5pm you can begin to pick up soil sample bags at the Extension Office, 219 N. Vineyard, Sinton.

The price is $7.00 a sample for Routine Analysis.

Shipping to College Station is **Free**, when you return your sample bags to the Extension Office.

This is for Agriculture use **Only**, please **No** homeowner samples.

Also, this is a good time to take deep soil samples down to 24 inches, in order to take advantage of possible nitrogen bank in soil.

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**Soil, Water & Forage Testing Lab**  
Soil & Crop Sciences  
Texas A&M Agrilife Extension  
College Station, TX  
(979) 845-4816

**Soil Sample Bag**  
(Required Fill Line)

**HOW TO GET A GOOD SOIL SAMPLE**

1. Take 10 to 20 thin slices or cores at random, put in a clean plastic bucket, mix thoroughly, then fill bag to line above.

2. Collect soil to depth of 6 inches.

3. Use spade, shovel, sampling probe or suitable tool. The most important requirement is to cut a thin slice or core of soil to the desired depth.

4. Complete soil submittal form, D-494. Place completed form, payment and filled sample bag(s) into a padded envelope or other suitable shipping container. **DO NOT put check in the soil bag OR mail separately!** Make check payable to “Soil Testing”. **DO NOT SEND CASH**!
“Agriculture Affects Everyone”

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

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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

Visit us online!
http://sanpatricio.agrilife.org