

CROP MANAGEMENT REPORT

TEXAS A&M AGRI LIFE EXTENSION

April, 2014

Volume 1, Issue 2

INSIDE THIS ISSUE:

| | |
|--|---|
| General Situation | 1 |
| Wheat | 1 |
| Corn/Milo | 2 |
| Private Pesticide Applicator Training | 2 |
| Scouting Program | 2 |
| Spray Guide & Root Rot Apps | 3 |
| Newsletter Renewal | 3 |
| Rabies Vaccination Clinic | 4 |

ST. LAWRENCE PEST MANAGEMENT

BRAD EASTERLING

EA-IPM

GLASSCOCK, REAGAN, UPTON COUNTIES

PO Box 299

GARDEN CITY, TX 79739

432-354-2381 (o)

940-356-1524 (m)



GENERAL SITUATION

I would say it is still hot and dry, but I think April 15th convinced us that it is dry with variable temperatures. The freeze on the 15th brought temperatures officially down to 23° but I have heard of lows down to 19°. More importantly was the duration. We spent approximately 7 hours below freezing that morning. On top of all of that, we have barely accumulated a half inch of rain on the year officially at the Mesonet Weather Station. Fortunately there was some subsoil moisture deep down for the dryland, now if we can only get some good rain prior to planting. Our drought monitor rating dropped again this past week to D-2 and portions of Sterling, Coke, Tom Green and Irion Counties are in D-3. Without some significant moisture soon we will be in the same situation that we have found ourselves in over the past couple of years. The St. Lawrence area was anywhere from D-2 to D-4 at this time last year, so we are in a little better situation right now than we were a year ago.

Wheat

As you all are well aware of, the wheat crop took another beating with the freeze a week ago. I was just about to get this newsletter out when the freeze hit so I decided to hold off and wait until I had some information about the effects of the freeze. Unfortunately as many of you know by now, they are not very good. The timing could not have come at a much worse time for most of this crop. The vast majority of the crop was heading out with much of it beginning to flower. On the second page I have attached a chart with the temperatures at which a wheat crop is vulnerable to freezing. Knowing these temperatures will not allow you to prevent them, but it will give you something else to worry about each spring, or perhaps consider sowing a later maturing vari-



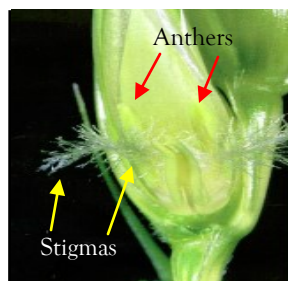
TWISTED, UNOPENED ANTHERS— OFTEN
TURN WHITE OR BROWN

Wheat Cont.

produce any grain, but other signs include: a dead, brown flag leaf still inside the whorl, twisted, unopened, white or brown anthers, or grayish or white seed. More information on wheat freeze injury is available in our Extension Publication, [Wheat Freeze Injury in Texas](#) or you can locate a copy at the variety testing website.

The information given herein is for educational purposes only. Reference to commercial products or trade names is made with the understanding that no discrimination is intended and no endorsement by the AgriLife Extension Service is implied.

Extension programs serve people of all ages regardless of socioeconomic level, race, color, sex, religion, disability, or national origin. The Texas A&M University System, US Department of Agriculture, and the County Commissioners Courts of Texas Cooperating



HEALTHY ANTHERS AND STIGMAS

| Growth Stage | Approximate Injurious Temperature (two hours) | Primary Symptoms | Yield Effect |
|--------------|---|--|--------------------|
| Tillering | 12 F (-11 C) | Leaf chlorosis; burning of leaf tips; silage odor; blue cast to fields | Slight to moderate |
| Jointing | 24 F (-4 C) | Death of growing point; leaf yellowing or burning; lesions, splitting, or bending of lower stem; odor | Moderate to severe |
| Boot | 28 F (-2 C) | Floret sterility; spike trapped in boot; damage to lower stem; leaf discoloration; odor | Moderate to severe |
| Heading | 30 F (-1 C) | Floret sterility; white awns or white heads; damage to lower stem; leaf discoloration | Severe |
| Flowering | 32 F (0 C) | Floret sterility; white awns or white heads; damage to lower stem; leaf discoloration | Severe |
| Milk | 28 F (-2 C) | White awns or white heads; damage to lower stems; leaf discoloration; shrunken; roughened, or discolored kernels | Moderate to severe |
| Dough | 28 F (-2 C) | Shriveled, discolored kernels; poor germination | Slight to moderate |

Corn/Milo

Corn and milo also took a little hit from the freeze but rest assured, everything that I have looked at so far should be fine. I have gone back and looked at a few corn fields and they have recovered even better than I predicted that they would. They will be set back about a week, but fortunately the growing point of the plants was still well below the ground and safe from freezing.

Private Pesticide Applicator Training

The Texas A&M AgriLife Extension Service and Angelo State University's agriculture department will conduct a training May 2 for individuals needing a Texas Department of Agriculture private applicators license. The training and subsequent testing will begin at 1 p.m. in room 263 of Angelo State's Vincent Nursing and Physical Science Building, 2333 Vanderventer Street in San Angelo. Individual registration is \$50 if received before April 25 and includes study materials. To register and for more information, call the AgriLife Extension office in Tom Green County at 325-659-6523.

Scouting Program

We are currently taking applications for IPM Field Scouts for this Summer. The starting salary this year will be \$10.00 an hour plus mileage. If you know of anyone looking for a summer job (kids, nieces, nephews, grandkids, wives, etc...) have them contact me here at my office or on my cell phone.

Spray Guide App

I have come across an new app that might be useful, especially for those of you with your own spray rigs. It is called PHT Spray Guide and it is available on both I-Tunes and the [Google Play Store](#) for I-phones and Android based phones. The app contains a spray guide that will help you when mixing multiple pesticides that

you may not be completely familiar with and not necessarily know the mixing order. Or course there is the disclaimer, always do a compatibility test. If you make the same mix over and over, it will save that for you. You can input rates, chemicals, farm names, crops, acres, etc... Your record keeping will be done. There is even a local weather connection, however; you have to pay extra for it and I'm too cheap to pay for it. I do not know exactly what weather station they are getting their information from. All-in-all, this can be a very useful app for those of you growing more accustomed to working digitally. It is however easier to use on a tablet than on a phone. But you can at least reference applications that you have on your phone. I just would not want to put the information in on my phone.

| ENTER USE RATES | | |
|---------------------|--------------|-----------------|
| Dan's Farm | | |
| 1. AATREX NINE-O | | |
| Quantity | Units | Area/Volume |
| 2 | Pounds | Acres |
| 2. CALLISTO XTRA | | |
| Quantity | Units | Area/Volume |
| 2.50 | Gallons | Per 100 Gallons |
| 3. VERDICT | | |
| Quantity | Units | Area/Volume |
| 5 | Fluid Ounces | Acres |
| 4. ROUNDUP POWERMAX | | |
| Quantity | Units | Area/Volume |
| 16 | Fluid Ounces | Acres |
| SAVE USE RATES | | |

| Spray Guide | |
|------------------|-------|
| Herbicides | 2/6 > |
| Fungicides | 0/4 > |
| Insecticides | 1/4 > |
| Adjuvants | 0/3 > |
| Nutrient | 0/4 > |
| GET MIXING ORDER | |
| CLEAR SELECTION | |

Agrilife Extension & ASU Develop Root Rot App

Experts with the Texas A&M AgriLife Extension Service and Angelo State University said their “Cotton Root Rot Return to Treatment Calculator,” a producer decision aid for iPhone/iPad and android device users, is now available.

“Cotton root rot is a fungal disease that for decades has essentially eliminated thousands of acres of cotton across wide swaths of Texas,” said Bill Thompson, AgriLife Extension economist at San Angelo, one of the apps’ authors.

Producers who utilize Apple mobile devices, iPhones and iPads, can download the app from Apple’s iTunes Store www.apple.com, while android device users can download the app from the Google Play Store <https://play.google.com>. A spreadsheet version of the decision aid can be found at <http://sanangelo.tamu.edu/extension/west-central-agricultureconomic/analytical-tools/>. All three versions of this producer decision aid are free to download and use.

Newsletter Renewal

I am once again asking everyone to update their addresses and confirm whether or not they wish to continue receiving the Newsletter. I understand that many of you have had the same address for 30 years or more, but dropping me a note is the only way that I can know for sure that you still want to receive the newsletter so that I can maximize my resources. Once the season starts I will only send the newsletters out to those who have updated their information with me. Also, for those of you who wish to receive them via email, I will email the newsletter to you. I will also occasionally send out short little emails if I am finding something out in the field. You will also get your newsletters a couple of days quicker and save me some money on postage. For those of you who still want a hard copy that is not a problem. If you need a new form let me know and I can get you one. You can also call the Extension office and let us know to leave you on the mailing list.



RABIES VACCINATION CLINIC

**SPONSORED BY THE GLASSCOCK COUNTY EXTENSION
PROGRAM COUNCIL**

**PARTIAL PROCEEDS WILL GO TO THE
GLASSCOCK COUNTY 4-H CLUB**

On **Thursday, May 8th**, veterinarian Dustin McElwee of Brock Veterinary Clinic will be in Glasscock County to vaccinate your pets against rabies, \$8.00 each.

**St. Lawrence Church Pavillion --1:00 p.m. until 3:00 p.m. Garden
City Community Center --3:30 p.m. until 5:30 p.m.**

ANIMALS MUST BE PRESENT TO BE VACCINATED

Also available:

Dogs and cats:

Parvo \$8 (per dog)
Distemper/Parvo \$20 (per dog)
Feline Distemper \$15 (per cat)
Dewormer \$5 (per animal)
Bordetella \$12
Rattlesnake \$10

Horses:

Rabies \$10
Coggins Test for Horses \$20
Distemper/Strangles \$20
Flu/Rhino \$15
*West Nile Vaccination \$25
*Encephalitis/Tetanus \$25
* OR option of one shot: \$25
(West Nile/Encephalitis/Tetanus)

It is your responsibility, by law, to have your pets vaccinated against this disease. This is a community effort to prevent any rabies problem in this area.

Please be sure to make an effort to protect your pets and your family.

