

CROP MANAGEMENT REPORT

September 9, 2016

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If you would like to be added to our newsletter mailing list please email tara.johnson@ag.tamu.edu
THANK YOU

Phytogen Field Day

9/21

10:00 am

Eric Seidenberger's

Dump Ground Rd/Corner Farm

Lunch at Glasscock Co-op

Randy Childress—Amvac—Co-sponsor

Tri-County Crop Tour	9/13
Monsanto Field Day	9/19
4-H Dove Hunt	9/20
Runnells Co. Crop Tour	9/28
Tom Green Co. Crop Tour	10/6

ST. LAWRENCE PEST MANAGEMENT
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GENERAL SITUATION

Well the clock is starting to run down and this season's crop as bolls having started popping and the crop has started advancing fairly quickly over the past couple of weeks. In many cases, quicker than we would have liked. There not a whole lot going on from a pest stand point except for some light disease pressure. We have a little bit of everything right now, but fortunately the crop is at the point where any most all disease pressure will not hurt it and in some cases will help, at least with defoliation. Early grains have done good, but late grains need to keep an eye out for aphids.

COTTON

The biggest concern I have been hearing about here lately is disease pressure. Most everyone just calls it "Blight", but we actually have several different diseases showing up in the field right now. We do have a little Bacterial blight or Angular leafspot spot. It is not uncommon for this disease to show up when we get into a wet period. More and more varieties are being bred with resistance to Bacterial blight now days. Research conducted in Lubbock over the past several years shows that varieties such as ST 5115, FM 1911, 2007, 1830, 2334, 1900, 2484, PHY 339, NG 4111, 4012, 4010 & 1511 have resistance. We also have some verticillium wilt around the area. The classic Vert. symptoms that we see all of the time including the interveinal chlorosis generally occurs on the larger watered fields. However; sometimes the fields we have that turn south in a hurry, they have red leaves, red bolls, these fields may also have verticillium wilt. The easiest way to know for sure is to cut a cross-section of the stem and look for the brown vascular tissue. If it is present, chances are it is Vert. There are varieties available that offer resistance, but I have not been able to find any information on any current varieties. Reddening of leaves and bolls also many times can be a nutrient deficiency. Potassium as well as several micro nutrients can become deficient later in the growing season and as the soil becomes depleted the nutrient is then removed from the leaves causing a deficiency.



Verticillium Wilt or Premature Senescence?



Verticillium Wilt vascular tissue

Alternaria leaf spot has also been showing up more and more this year. Once again, it is primarily due to us finally getting a little rain. There is not a lot that we can do about it at this time. Dr. Jason Woodward, Pathologist at Lubbock wrote a great article on [Alternaria leaf spot](#).



Alternaria leaf spot

Weather Data

	May 10	May 20	June 1	June 10
Daily ET	.199 in/day	.264 in/day	.264 in/day	.264 in/day
Total water use	19.44 in	17.71 in	12.84 in	10.49 in

Sugarcane Aphid

Anyone who still has grain sorghum or haygrazer in the field needs to be keeping an eye on it for Sugarcane aphids right now. Most all of our grain has been cut except for some late planted fields, but any field I have looked at in the past couple of weeks has some level of aphids in it and looks like it will need to be treated before the season is over. The same goes for haygrazer. If left unchecked, swathing and baling are nearly impossible.

TRI-COUNTY CROP TOUR

TUESDAY, SEPTEMBER 13TH

2:00 PM

MEET AT MIDKIFF COMMUNITY CENTER

SOCIAL & MEAL TO FOLLOW TOUR

HEAT UNITS

Heat units averaged 19.2 per day this past week and 17.64 per day the past two weeks. Heat units since 5/10, 5/20, 6/1, and 6/10 are compared with last year and the five year average in the table below. Things are starting to slow down quite a bit now, and are actually getting below average for this time of year. Be careful pushing that crop trying to finish out the upper bolls, you may end up with a lot of immature cotton. It takes 850 Heat Units to make a boll from a bloom. We can live with 750 HU's but the mic may be a little low. If we get less than that, the grade will suffer.

DATE	5/10	5/20	6/1	6/10
2016	2360	2265	2060	1941
2015	2308	2207	2101	1949
5 Year AVG	2467	2357	2162	1982