

CROP MANAGEMENT REPORT

July 15, 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



GENERAL SITUATION

HOT! HOT! HOT! There is really no other way to describe the past two weeks than hot. We all know it gets hot out here and we accept that, but let me try and put it into perspective. Since July 1st our average high temperature has been 100 degrees, our average low temperature has been 74.5 degrees with an average daily temperature of 87.5 degrees. The first two weeks of July 2011 were 98.2 degrees, 71.1 degrees, and 84.7 degrees. Of course May and June of 2011 were much hotter and dryer than this year. We are still not in terrible shape, just declining. We need daytime and especially nighttime temperatures to cool off and a good rain to freshen things up.

COTTON

Our crop continues to be spread out from 3 true leaves to 2nd week of bloom. The late cotton is hanging on fairly well because it is not using much water at this time. The cotton that is blooming is pulling a very heavy demand right now. Over the past week demand has approached 0.5 inches on some days and a total of 2.65 inches for the week. If you've been putting off drilling those 10 new wells to go fishing, now might be a good time. Despite what some of your scouting reports have shown, square sets are remaining stable for the most part. Most all fields are anywhere from 85% - 97%. I have checked the fields with extremely low square sets on reports and if you have not heard from me then everything is fine. I am seeing some tiny blasted squares, pinhead, and smaller out there. Most of these are sand related with some caused by heat and even some thrips. Overall fleahoppers are still below economic levels in most fields, but need to be monitored through bloom. As cotton begins to bloom be on the lookout for stinkbugs, especially if it is close to sorghum. Stinkbugs are still very high in most sorghum fields. If it is your neighbors sorghum, consider sharing the cost of application, it is still cheaper than treating your cotton.

TURNROW MEETINGS

Tuesday, July 19	9:00 a.m. Glasscock Coop
Wednesday, July 20	9:00 a.m. Midkiff Coop
Tuesday, July 26	9:00 a.m. Glasscock Coop
Wednesday, July 27	9:00 a.m. Midkiff Coop

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CORN/SORGHUM



50% starch line. Irrigation termination point.

Sugarcane aphids are slowly getting closer to us as the weather has turned hot and dry. Joel Webb, our new IPM Agent in Tom Green and Runnels County found SCA over by Wall on July 1st and they have since been treating for them in Water Valley and Grapecreek. To date I have **NOT** found any in Glasscock, Reagan, or Upton Counties. With the rate this crop is maturing, I am hoping most fields can out run SCA to harvest. A lot of fields are 3-4 weeks away from being ready for harvest, especially if it stays hot. For many or most of our corn fields and most of our sorghum fields that might be watered, you can go ahead and shut off the water or finish out the cycle that you are on and then shut it off. Keep in mind with the high temperatures we have you need adequate soil moisture to finish the crop. However, you don't want to get behind on your cotton. Where will that inch of water make you the most money. Corn needs to be watered until it reaches the 50% starch/milk line. Sorghum needs to be past soft dough and entering hard dough stage. Give me a call if you want me to check some fields.



Black Layer

Weather Data

	May 10	May 20	June 1	June 10
Daily ET	.40 in/day	.40 in/day	.08 in/day	.08 in/day
Total water use	5.01 in	3.09 in	1.7 in	1.09 in

HEAT UNITS

Heat units averaged 26.6 per day this past week and 27.25 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. We are accumulating heat units at a near record pace which is not necessarily a good thing. Cotton grows best at temperatures between 65 and 90 degrees. As both the high and low temperatures climb, it puts more stress on the plant.

DATE	5/10	5/20	6/1	6/10
2016	1233	1138	933	814
2015	1010	910	803	666
5 Year AVG	1253	1143	948	623