

Corn and Grain Sorghum Weekly Update – May 27, 2016

2016 Update No 10

Corn and Grain Sorghum Update – Dr. Jason Kelley (Wheat and Feed Grains Specialist)

Warm temperatures finally arrived this week with some areas of the state reporting their first 90 degree high of the year. Combined with warm night temperatures, corn and grain sorghum are both responding with rapid growth. Most of the sulfur and zinc nutrient deficiencies that were prevalent in corn the past few weeks have slowly been resolved through fertilizer applications and warm temperatures. Many areas have started irrigation on corn, especially in the southern half of the state which has missed many of the rains over the last couple weeks. Some of the earliest planted corn in the southern portion of the state will start tasseling late next week. Grain sorghum has struggled much like corn with the cool and wet weather we have experienced over the last several weeks but plant growth has really responded to the warm temperatures this week.

Corn and Grain Sorghum Research Verification – Kevin Lawson (Corn & GS Verification Coordinator)

The Lincoln County field received the first irrigation of the season on Monday May 23. Even though the field got 0.8 inches of rain this week, unless more falls that field will need irrigation next Thursday June 2. The St Francis County field is starting to take off from the sidedress nitrogen. The field missed the real heavy rains on May 24 and irrigation scheduler called for an irrigation, so the pivot was started on May 25. After all of the rain moves through the area and the field dries up, recommended the pre tassel nitrogen. The Prairie and River Valley fields are also starting to take up the sidedress nitrogen but are still about a week away from the pre tassel application. Irrigations should start on these fields next week also. The Pope County field received sidedress nitrogen and herbicide on May 21. The Clay County field is still struggling to grow, but does look better this week. It received a sidedress application of nitrogen and should get herbicide soon.

The White County field is starting to slowly come out of the paraquat drift it received a couple of weeks ago. A sidedress application of nitrogen was applied on May 19 and finally got incorporated by rain on May 25. The Jefferson County field has really responded to the warm weather. The field is ready for sidedress nitrogen and atrazine. The Lawrence County field has some sort of herbicide damage on it. We will re-evaluate this field next week and hope for some good growing weather to bring it out of the damage.

County	Hybrid	Growth Stage	Heat Units	Comments
Clay	Pioneer 1637YHR	V4	526	Applied 240 lbs of Urea + 50 lbs of Ammonium Sulfate May 23 then plowed the middles. Recommended 1.5 qts atrazine + 3.6 pts of Halex Gt. (Scouted May 26)
Lincoln	DKC 66-87 VT2P	V12	1131	Irrigation on May 23. Recommended irrigation on June 2. (Scouted May 27)
Pope	Pioneer 1319HR	V5	571	Applied 175 lbs of Urea, 100 lbs of Ammonium Sulfate + 100 lbs of Potash on May 21 followed by 1 qt of atrazine + 3.6 pts of Halex GT. (Scouted May 24)
Prairie	Armor 1555PRO2	V9	933	Field is growing well. Look at pre tassel N and irrigation next week. (Scouted May 25)
River Valley	Terral REV 23BHR55	V9	781	Field is growing well. Look at pre tassel N and irrigation next week. (Scouted May 24)
St Francis	Pioneer 2089YHR	V11	992	Recommended starting irrigation and applying 100 lbs of Urea next week after field dries up. (Scouted May 25)

County	Hybrid	Growth Stage	Comments
Jefferson	Armor Maverick	V6	Recommended 1.3 qts of atrazine plus oil and 250 lbs of Urea.
Lawrence	DeKalb DKS 51-01	V2	Field is showing some kind of herbicide damage. Will re-evaluate next week. (Scouted May 26)
White	Pioneer 83P99	V6	Applied 200 lbs of Urea on May 19. (Scouted May 25)

Southeast Arkansas Update – Kevin Norton (Ashley County)

Another week of dry sunny weather has helped even out a lot of uneven fields. First round of irrigation was done this week. Early corn is 9 - 10 leaf collars and ready for a pre-tassel shot of fertilizer. We could use a rain.

Central Arkansas Update – Brett Gordon (White County)

Our corn crop is beginning to look better thanks to warmer temperatures. Before the rain this week, producers were busy turning on pumps, laying polypipe, and starting their first irrigation of the season. We received 1.5 to 2 inches of rain from this week's storms.

Northeast Arkansas Update – Stewart Runsick (Clay County)

The story this week has been all the rainfall. Clay County received 3-5 inches depending on where you were located. There has been very few days the past couple of weeks in which field work could be done. Despite all that, most all the corn has been sidedressed and is growing rapidly. The warmer temperatures this week have been welcomed, but we still need more sunshine. There has been tubing laid out but Mother Nature has taken care of the irrigation so far.

River Valley Update – Kevin VanPelt (Conway County)

Most of the corn in the River Valley is looking better than good! With an inch of rain and warmer temperatures, the corn has really taken off. Producers aren't having to irrigate yet, but will probably be making pre tassel nitrogen applications in another week.

Heat Units

Heat units are back up to right at or in some cases a little bit above the 30 year average. There was a cool start to the week, but has really come on at the end of the week. Fields in Southeast and Central Arkansas that were planted around March 28 are ready for pre tassel nitrogen applications. Northeast Arkansas and the River Valley will be ready next week.

	Southeast, AR (Dumas)		Central, AR (Des Arc)		Northeast, AR (Jonesboro)		River Valley (Morrilton)	
	2016	30 Year	2016	30 Year	2016	30 Year	2016	30 Year
May 21	20.5	23.5	19.0	22.5	17.5	20.0	19.0	20.0
May 22	21.5	23.5	21.5	22.5	20.5	20.0	20.0	20.0
May 23	20.5	23.5	21.0	23.0	19.0	20.5	18.0	20.0
May 24	25.0	24.5	25.0	23.5	23.5	21.0	24.5	20.5
May 25	27.0	24.5	24.5	23.5	19.5	21.0	23.5	21.0
May 26	28.5	24.5	28.0	23.5	27.0	21.5	26.0	21.0
May 27	25.5	24.5	25.0	24.5	25.0	22.0	21.5	21.0
Total for Week	169	169	164	163	152	146	153	144
Total Since March 28	1,080	1,045	982	960	923	844	962	857

Twitter

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Row Crop Verification @ar_verification

University of Arkansas Systems Division of Agriculture Cooperative Extension Service Web Pages

Extension Corn Webpage – www.uaex.edu/corn

Extension Grain Sorghum Webpage – www.uaex.edu/grain-sorghum

Row Crop Verification Webpage – www.uaex.edu/verification

Corn & Grain Sorghum Verification Webpage – www.uaex.edu/cgsrvp