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SUBJECT: SOUTHERN RESEARCH & OUTREACH CENTER WEATHER UPDATE
SEPTEMBER 1 THROUGH SEPTEMBER 7, 2016

FOR RELEASE: Immediately

Below you will find the daily maximum and minimum air temperatures, growing degree units (GDUs), and 24-hour precipitation amounts for this week. These values are recorded at 8 AM and reflect the conditions for the previous 24-hour period (8 AM to 8 AM) at the Southern Research & Outreach Center, Waseca.

Date	Air Temp.		GDU's	Precip.	
	Max.	Min.			
		----- ° F -----			
Thursday	9/1	80	57	18.5	----
Friday	9/2	78	55	16.5	----
Saturday	9/3	78	56	17.0	----
Sunday	9/4	80	59	19.5	----
Monday	9/5	80	61	20.5	0.51
Tuesday	9/6	82	66	24.0	0.42
Wednesday	9/7	82	67	24.5	1.14

COMMENTS: After a four day break from rain we are right back into a wet pattern. Temperature averaged 70.1 degrees or 4.2 degrees warmer than normal. Daytime high temperatures have been near normal but night time lows were warm resulting in warmer average temperatures. Growing degree units (GDUs) totaled 140.5. This is 20% more than normal. Since May 1, we have now accumulated 2476.5 GDUs. We have exceeded our normal season total with about 3 weeks left in the growing season.

Last year this week was very warm and wet. Temperature averaged 77.6 degrees and 3.00 inches of rain fell. Last year at this time we had accumulated 2242 GDUs.

Full-season corn planted early is very close to physiological maturity. An 85 and 89-day hybrid in our trial planted in April has reached maturity and the 96-100 day hybrids are very close to maturity. Later hybrids (104 to 109 day) are about 1/3 to 1/4 milk line. Soybeans are in the R6 (full seed) to R7 (beginning maturity) stage. Soybean aphids never became a problem in soybeans on our fields this season. The warm and wet weather may have favored predators or disease and kept the aphid populations low this season.

Soil moisture measurements taken on September 2 show that we had nearly 11-inches of available soil moisture in the top five feet. This is 98% of field moist capacity and we have

had 2-inches of rain since then. Dry weather will be necessary before harvest machines can get in the fields.

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