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SUBJECT: SOUTHERN RESEARCH & OUTREACH CENTER WEATHER UPDATE
APRIL 13 THROUGH APRIL 19, 2017

FOR RELEASE: Immediately

Below you will find the daily maximum and minimum air temperatures, 2-inch soil temps, 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.		2" Soil Temp.*		Precip.	
	Max.	Min.	2017	25-Yr Avg.		
		----- ° F -----		--- ° F ---		inches
Thursday	4/13	62	43	48	45	0.08
Friday	4/14	56	47	50	46	T
Saturday	4/15	66	49	52	48	0.69
Sunday	4/16	73	42	57	48	0.09
Monday	4/17	66	44	56	48	----
Tuesday	4/18	61	47	59	50	T
Wednesday	4/19	68	47	54	51	0.15

*Bare soil

COMMENTS: The weather was warm this week, but a little too wet to get a lot of planting done. Temperature averaged 55.1 degrees which is 8.6 degrees warmer than normal. Rainfall totaled 1.01 inches or 0.28 inch above normal. Soil temperature at the two-inch depth averaged 53.7 degrees which is 5.7 degrees warmer than normal.

Last year this week was very good for corn planting. Temperatures averaged 61.6 degrees and rainfall totaled 0.10 inch. Two-inch soil temperature last year this week averaged 54.0 degrees.

We are close to getting ready to plant a lot of corn in south central Minnesota, but it is just a little too wet to begin full scale planting. We have some corn in the ground that was planted on April 10. Inspection of these seeds show progress has been made toward emergence. The radicle (first root) is about one-half inch long and the mesocotyl (shoot) has begun to elongate from the seed. These seeds appear to be in good health and with sunshine we expect good emergence. Small grains planted on April 12 have also made progress but are not up yet.

We hope to report soil moisture status more frequently to you this season by reporting volumetric soil moisture readings which can be measured using sensors instead of removing soil cores. You can find this information at: <https://sroc.cfans.umn.edu/weather-sroc/available-soil-water>. This

chart will show soil moisture values at various depths. Recognize that for our heavy textured (clay loam) soils a value of 45 to 50% water would be saturated, a value of 30% would be quite wet and a value under 20% would be very dry. These charts will be updated weekly throughout the growing season.

Two weeks of sunshine is what we need now to get corn planted in a timely fashion.

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