

## UNIVERSITY OF MINNESOTA

Southern Research and Outreach Center

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SUBJECT: SOUTHERN RESEARCH & OUTREACH CENTER WEATHER UPDATE  
AUGUST 25 THROUGH AUGUST 31, 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	8/25	81	58	19.5	----
Friday	8/26	74	52	13.0	----
Saturday	8/27	74	53	13.5	0.50
Sunday	8/28	74	61	17.5	0.22
Monday	8/29	85	62	23.5	----
Tuesday	8/30	86	67	26.5	0.27
Wednesday	8/31	80	56	18.0	----

COMMENTS: Rain fell across southern Minnesota this week again, but amounts were closer to normal than they have been recently. Temperature averaged 68.8 degrees or 0.8 degree above normal. Rainfall totaled 0.99 inch only 0.01 inch below normal. Growing degree units (GDUs) totaled 131.5, which is 3% more than normal. Since May 1, we have now accumulated 2336 GDUs, this is 10% more than normal. We expect to reach 2336 GDUs by September 13.

Last year this week was cool and dry with temperature averaging 62.9 degrees and rainfall totaling 0.46 inch. Last year at this time we had accumulated 2054 GDUs.

After our second wettest July on record we followed that with our second wettest August. Rainfall totaled 11.70 inches this August. This is 6.95 inches above normal, and only 0.19 inch short of the record for August, set in 1924. The July-August period this year will be remembered as our wettest two-month period ever. This July-August brought us 20.63 inches of rain exceeding the old record of 17.33 inches during July and August of 1979. Many remember 1993 as a very wet season. For comparison, that year the July-August period saw five inches less rainfall than this year.

Corn continues to move along ahead of normal. Silage harvest will begin very soon. Soybeans are showing signs that the end of summer is near, and aphid numbers remain low.

Symptoms of soybean diseases including sudden death syndrome, brown stem rot and white mold are showing up in soybean fields, but the areas affected seem to be relatively small. With the crop maturing slightly ahead of normal, loss from diseases hopefully will not be too detrimental to yields.

We will soon be moving into fields to harvest with some of the heaviest equipment we use all year. Soil compaction may be a concern after this very wet growing season. For tips on how to minimize soil compaction this harvest season read the following from the U of M.

<http://blog-crop-news.extension.umn.edu/2016/08/soil-compaction-management-at-harvest.html>

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