

UNIVERSITY OF MINNESOTA

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SUBJECT: SOUTHERN RESEARCH & OUTREACH CENTER WEATHER UPDATE
AUGUST 24 THROUGH AUGUST 30, 2017

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	8/24	75	48	12.5	----
Friday	8/25	72	56	14.0	0.03
Saturday	8/26	72	59	15.5	0.05
Sunday	8/27	70	57	13.5	0.32
Monday	8/28	75	58	16.5	0.01
Tuesday	8/29	70	52	11.0	T
Wednesday	8/30	77	53	15.0	T

COMMENTS: For the fourth consecutive week we are talking about cooler than normal conditions. Temperature averaged 63.9 degrees which is 4.3 degrees cooler than normal. Rainfall totaled 0.41 inch or 0.6 inch less than normal. Growing degree units (GDUs) totaled 98 which is 25% less than normal. Since May 1, we have now accumulated 2092 GDUs. This is 1% less than normal. Our GDU accumulation is now behind normal for the first time since June 4th.

Last year this week was warm and wet. Temperature averaged 69.9 degrees and 2.52 inches of rain fell. Last year at this time we had accumulated 2318 GDUs.

August has been cool and cloudy this year. Temperature has been below normal on 24 of 30 days and solar radiation is 10% less than normal. These conditions have been favorable for leaf diseases in both corn and soybeans.

The cool weather has slowed corn development. Examination of corn in a planting date trial with hybrids ranging from 95 to 106 RM show that all hybrids planted though May 4 are denting. None of these hybrids planted on May 26 are denting. We usually estimate corn is 3-weeks from maturity at the dent stage. We are still 4 weeks from our average first frost. Warm weather and sunshine during September would help finish off what still appears to be a very good crop.

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