

UNIVERSITY OF MINNESOTA

Southern Research and Outreach Center

35838-120th Street
Waseca, MN 56093-4521

College of Food, Agricultural and
Natural Resource Sciences

507-835-3620
Fax: 507-835-3622
<http://sroc.cfans.umn.edu>

CONTACT: Thomas R. Hoverstad, Scientist

SUBJECT: SOUTHERN RESEARCH & OUTREACH CENTER WEATHER UPDATE
JULY 27 THROUGH AUGUST 2, 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	7/27	83	65	24.0	0.11
Friday	7/28	86	62	24.0	T
Saturday	7/29	82	58	20.0	----
Sunday	7/30	85	59	22.0	----
Monday	7/31	87	60	23.0	----
Tuesday	8/01	86	59	22.5	----
Wednesday	8/02	90	62	24.0	0.28

COMMENTS: Good conditions for crop growth and development settled into South Central Minnesota this week. Temperature averaged 73.1 degrees or 1.6 degrees warmer than normal. Two small rain showers brought us 0.39 inch of rain, which is 0.61 inch less than normal. Growing degree units (GDUs) totaled 159.5 or 8% more than normal. Since May 1 we have now accumulated 1650.5 GDUs, which is 5% more than normal.

Last year this week was warmer and slightly wetter. Temperature averaged 73.9 degrees and 0.61 inch of rain fell. Last year at this time we had accumulated 1714 GDUs.

Monthly totals for July show we were warmer and wetter than normal. Temperature averaged 73.6 degrees, 1.6 degrees warmer than normal. Rainfall totaled 6.56 inches, 2.14 inches above normal. Five of six months this year have been warmer than normal.

The corn and soybean crops in our area continue to look very good. We have adequate soil moisture as corn is entering the grain filling period. Soybeans are in the R3 (beginning pod) to R4 (full pod) stage, depending on planting dates. While corn is through the most critical time for determining yields, soybeans are just entering the critical time to determine the number of pods and seeds that develop. Soybean aphids are now easy to find, but populations above the treatment level have not been wide spread yet. Remember to consider the threshold of 250

aphids per plant on 80% of the plants and an increasing population. Treating too early can often increase the chance that a field will need re-treatment later in the season.

Small grain was harvested this week. Wheat yields were in the 55 to 65 bu/A range and oat yields were 75 to 100 bu/A. Test weights of oats were very low, not surprising given the moisture and humidity we have had.

###