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SUBJECT: SOUTHERN RESEARCH & OUTREACH CENTER WEATHER UPDATE
SEPTEMBER 14 THROUGH SEPTEMBER 20, 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.

| | | Air Temp. | | | |
|---|---|---|---|---|---|
| Date | | Max. | Min. | GDU's | Precip. |
| | | - - - - - - - ºF - - - - - | | | inches |
| Thursday | 9/14 | 85 | 60 | 22.5 | ---- |
| Friday | 9/15 | 88 | 62 | 24.0 | ---- |
| Saturday | 9/16 | 84 | 64 | 24.0 | 0.01 |
| Sunday | 9/17 | 77 | 47 | 13.5 | ---- |
| Monday | 9/18 | 65 | 46 | 7.5 | 0.02 |
| Tuesday | 9/19 | 61 | 53 | 7.0 | 1.27 |
| Wednesday | 9/20 | 79 | 60 | 19.5 | 0.01 |

COMMENTS: After three consecutive weeks of cool and dry conditions the weather did an about face and turned warm and wet. Temperature averaged 66.5 degrees or 5.7 degrees warmer than normal. Rainfall totaled 1.31 inches which is 0.49 inch more than normal. Growing degree units (GDUs) totaled 118 which is 47% more than normal. Since May 1 we have now accumulated 2400.5 GDUs, within 1% of the long-term normal.

Last year this week was also warm and wet. Temperature averaged 64.8 degrees and 0.99 inch of rain fell. Last year at this time we had accumulated 2691.5 GDUs.

The warm weather hastened corn maturity and an early maturing (95 to 100 day) hybrids have reached maturity if planted in late April or early May. A 106 day hybrid planted on those dates had not yet reached maturity. Hand shelled samples of corn that had reached maturity indicated grain moisture content is in the mid-30s. Soybeans are also maturing quickly with the warm conditions. Soybeans in the 1.5 to 1.7 maturity range have reached the R8 (full maturity) stage. Once mature, soybeans will be ready for harvest in about a week to 10 days.

Before farmers get busy with harvest now may be a good time to catch up on some reading. The University of Minnesota Extension Service has written a piece on fall application of

nitrogen fertilizer. It is a complex subject and this information will help farmers make the best use they can of nitrogen fertilizer. The information can be found by following this link: http://blog-crop-news.extension.umn.edu/2017/09/everything-you-need-to-know-before.html

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