CONTACT: Thomas R. Hoverstad, Scientist

SUBJECT: SOUTHERN RESEARCH & OUTREACH CENTER WEATHER UPDATE
AUGUST 1 THROUGH AUGUST 7, 2019

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.

<table>
<thead>
<tr>
<th>Date</th>
<th>Max.</th>
<th>Min.</th>
<th>GDUs</th>
<th>Precip.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thursday 8/1</td>
<td>77</td>
<td>57</td>
<td>17.0</td>
<td>----</td>
</tr>
<tr>
<td>Friday 8/2</td>
<td>81</td>
<td>61</td>
<td>21.0</td>
<td>----</td>
</tr>
<tr>
<td>Saturday 8/3</td>
<td>82</td>
<td>65</td>
<td>23.5</td>
<td>----</td>
</tr>
<tr>
<td>Sunday 8/4</td>
<td>84</td>
<td>59</td>
<td>21.5</td>
<td>----</td>
</tr>
<tr>
<td>Monday 8/5</td>
<td>85</td>
<td>69</td>
<td>27.0</td>
<td>----</td>
</tr>
<tr>
<td>Tuesday 8/6</td>
<td>86</td>
<td>59</td>
<td>22.5</td>
<td>2.05</td>
</tr>
<tr>
<td>Wednesday 8/7</td>
<td>82</td>
<td>64</td>
<td>23.0</td>
<td>----</td>
</tr>
</tbody>
</table>

*Bare soil

COMMENTS: The weather this week featured our longest stretch of dry weather followed by our largest single rain event of the season. Before 2.05 inches of rain fell, we had gone seven days without rain for the first time this growing season. Temperature averaged 72.2 degrees which is 1.1 degree above normal. Rainfall totaled 2.05 inches or 0.99 inch more than normal. Growing degree units (GDUs) totaled 155.5, which is seven percent more than normal. Since May 1, we have now accumulated 1614.5 GDUs. This is three percent less than normal.

Last year this week was cooler and drier temperature averaged 69.8 degrees and 0.72 inch of rain fell, but GDUs were well ahead of this year at 1860.

Soybean aphids are becoming easier to find, but populations have not reached levels where wide spread treatments have been necessary. Keep scouting through August as most soybeans are a little delayed this year because of later plantings. Small grain harvest is underway and yields have been average. Most of the corn crop is through pollination and has entered the grain fill period. This is the time of year when many are interested in estimating corn yield potential. Researchers at the University of Nebraska run a crop simulation model for several locations across the corn belt including three in Minnesota. The results of their July 31st forecast can be found here:
This model will be updated throughout August.


Reminder of an event held in Waseca tomorrow at the

Southern Research and Outreach Center

Sustainable Cropping Systems Seminar at SROC - Waseca

Innovations in Sustainable Corn-Based Cropping Systems

Thursday, August 8, 2019 | 10:00 am | Conference room, SROC | Open to the public