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**Weather summary:**

August 2016

Temperatures and precipitation were above the long-term average in Illinois in August. Mean streamflow statewide was well above the median for the month. Shallow groundwater levels were above long-term average depths.

**Air temperatures** averaged 75.7 degrees in August, 2.1 degrees above the long-term average (Figure 1). The northwest crop reporting district (CRD) had the lowest average temperature with 73.7 degrees. The highest regional temperature was 78.0 degrees in the southwestern CRD.

**Precipitation** averaged 6.65 inches, 3.06 inches above the longterm average. The southeastern CRD averaged 8.01 inches, the highest for the month. The driest district was the west-southwestern CRD with 5.20 inches. Soil moisture changed very little overall in August. Levels at the end of the month averaged 0.31 water fraction by volume (wfv) at depths of 2 inches, 0.33 wfv at 4 inches, and 0.34 wfv at 8 inches.

**Soil moisture** remained high at the deeper depths with end-of-month averages of 0.40 wfv at 20 inches, 0.44 wfv at 39 inches, and 0.43 wfv at 59 inches. Soil moisture remained high at the deeper depths as month-end levels averaged 0.44 wfv at 39 inches and 0.42 wfv at 59

**Personnel**

**Michelle Stewart**

Owner & President

**John Stewart**

Owner & Project Specialist

**Greg Firrantello**

Dept. of Agronomy CCA/  
Manager

**Jason Hill**

Operations Manager

**Billie Marko**

Monitoring and Reporting

**New Public Outreach**

August was a busy month with PR. Wheat fields were finished up as well as doing PR for fall fields. In general we do the PR weeks ahead of when the fields actually get spread. The majority of the residents appreciate the communication.

County	
Kendall—8	
LaSalle—1	
Will— 22	
Grundy—1	



## Odor Minimization

Biosolids application methods such as immediate incorporation and injection can effectively reduce odor emissions. Other best management practices such as temperatures, weather conditions, and communicating spreading times and locations with neighbors can significantly reduce odor complaints.

## Notes

Summer hauling season provides longer daylight hours and provides the opportunity to work some long days.

When large amounts of heavy equipment are used, longer work days are necessary to be efficient and productive. Setting the jobs up takes a lot of energy before the first load ever leaves the plant.

## Communication with Government Officials

Stewart Spreading will continue their policy of contacting all officials who we feel we should have close working relationships with. Those notified include law enforcement, health and highway departments, county, township and city officials and IEPA officials. Authorities appreciate good communication so they are not surprised when the calls do come in. Proactive is critical for success. We also encourage common sense rulings for all practical purposes.

## LASMA /CALMSA VOLUMES APPLIED August 2016

<u>Field</u>	<u>Acres</u>	<u>Wet tons</u>
WL Shoenbeck 10	290	9690.19
KE Johnson 1	236	3789.16
WL Shoenbeck 14	79	3351.53
WL Schoenbeck 3	111	4658.31
WL Schoenbeck 4	77	3122.98
KE Thanepohn 6	56	2174.01
WL Schoenbeck 15	82	3343.54
CO Dettmering 3	77	1508.79
WL Dettmering 12	31	1251.21
WL Vliestra 1	25	1262.65
KE Moe 8	140	2006.15
KE Kunkel 7	40	1674.82
KE Swenson 16	41	1682.19
KE Gerry Brummel 1	44	1926.80
KE Rick Brummel 1	32	995.11

## Safety Meetings

Three new employees went through our two day classroom On Boarding session. They had their annual safety training on a variety of subjects as well as thorough instruction and several presentations about company safety philosophy, policies and procedures.

## Agronomy Corner

August is here: wheat fields are opened up and summer hauling can switch into full gear. Multiple benefits exist from summer hauling including open ground when the crops are planted. The summer weather is usually dry for continuous, uninterrupted hauling. Less productive farms can be spread during this time to help improve soil conditions and fertility values.

