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**Weather summary:**

July 2016

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

Air temperatures averaged 75.8 degrees in July, 0.4 degrees above the long-term average (Figure 1). The lowest temperatures were in the northwestern crop reporting district (CRD) with an average of 73.7 degrees for the month. The southwest CRD had the highest average with 79.2 degrees.

Precipitation averaged 6.85 inches, 2.77 inches above the long-term average. The west southwest district averaged 8.59 inches, the highest for the month. The driest was the northwest CRD with 6.05 inches. Soil moisture at 2 inches increased an average of 45 percent in July, ending the month at 0.29 water fraction by volume (wfv).

Soil moisture increased also at 4, 8, and 20 inches with levels averaging 0.31, 0.32, and 0.37 wfv, respectively, on July 31. 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 inches.

**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**

We are winding up Public Relations for the summer wheat fields in July. There will be a few stragglers left. Once August hits, we will be focusing on fall fields for PR and submittals.

County	
Cook -1	
Kendall - 1	
Will- 6	



## 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

For the first time in 8 years, construction demand is down due to tight budget constraints from the State of Illinois.

Because of tight spending constraints from the State of Illinois, we are expecting a good turnout from all of our sub-contractors who are signed up to haul for us.

With sufficient trucking, we should get a lot done in a shorter amount of time in 2016.

## 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 /CALSMA VOLUMES APPLIED July 2016

<u>Field</u>	<u>Acres</u>	<u>Wet tons</u>
WL Nugent 10	60	2538.85
WL Domagalla 3	76	3208.21
WL Nugent 21	80	2948.94
KE Johnson 1	236	2627.78
WL Heldt 3	40	1594.36
WL Nykaza 4	20	280.69
WL Nykaza 7	37	714.28
WL Domagalla 15	70	1640.70
WL Domagalla 16	73	906.06
WL Heldt 7	76	1633.31
WL Shcoenbeck 1	65	2090.79
WL Domagalla 14	36	1532.43
WL Domagalla 15	70	1639.34
WL Nykaza 4	20	352.53
WL Domagalla 16	73	2450.12

## Safety Meetings

In the month of July we continued Tool Box Talks focusing on safe driving of all vehicles and housekeeping. When spreading biosolids it is crucial that our employees are safe when operating equipment. Additionally keeping the work place clean leads to a safer and more organized work environment.

## Agronomy Corner

Wheat harvest is underway in July. This year the harvest is a little later than usual. Good grain yields with high straw volumes makes for a successful wheat harvest.

Baling straw after grain harvest, however, will cause delays in opening the wheat fields for biosolids spreading. We are constantly monitoring the farmers progress so we can begin the summer biosolids season of hauling and spreading biosolids for the 2017 crop year.

