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**Weather summary:**

November 2015

NOVEMBER 2015 OVERVIEW Temperatures and precipitation were above the long-term average in Illinois during November. Mean stream-flow statewide was above the median for the month. Shallow groundwater levels were above long-term average depths. Temperatures averaged 46.0 degrees F in November, 3.5 degrees above the long-term average (Figure 1). The lowest temperatures were in the northwestern crop reporting district (CRD), averaging 42.5 degrees for the month. The southeastern CRD had the highest average with 50.3 degrees. Precipitation averaged 5.54 inches, 2.07 inches above the long-term average. The eastern district averaged 4.28 inches for the month, the lowest of the month. The southwestern district had the highest average with 7.14 inches. Soil moisture at depths of 2 to 20 inches increased across the state. At 2 inches, levels increased an average of 28 percent, ending the month with a statewide average of 0.40 water fraction by volume (wfv). Similar increases were observed at depths of 4, 8, and 20 inches. Soil moisture levels remained high at depths of 39 and 59 inches with no significant changes over the month.

**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**

Public relations outreach efforts were concentrated in Will and LaSalle counties in the month of November. With the spreading season winding down our outreach efforts are tapering off as well, because we need to finish fall operations. As soon as the fall spreading season is over we will be focusing on the 2016 season.

| County   | Township |
|----------|----------|
| Will     | 4 total  |
| La Salle | 7 total  |
|          |          |
|          |          |
|          |          |
|          |          |
|          |          |



## 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

November is the busiest month during the fall season. It is a time for “all hands on deck” because the window of opportunity for spreading is relatively small.

Activities being performed during this busy season include communicating with farmers, road commissioners, municipalities, citizens and employees.

## 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 October 2015

| <u>Field</u>      | <u>Acres</u> | <u>Wet tons</u> |
|-------------------|--------------|-----------------|
| KE Swenson 5      | 150          |                 |
| WL Ray Nugent 1   | 115          |                 |
| WL Robbins 1      | 90           |                 |
| KE Brummerstedt 1 | 75           |                 |
| KE Brummerstedt 2 | 77           |                 |
| WL Nugent 19      | 166.27       |                 |

## Safety Meetings

In the November, we continued our tool box talks with our drivers and operators. We are planning our annual ASMARK safety sessions for December and January.

## Agronomy Corner

Harvest is almost complete. Wheat fields are totally done. Dry weather has allowed reasonably steady field work to continue.

Proper field conditions are essential for optimal results. The fall season is a very good time to spread biosolids because there is enough time and weather to correct the soil conditions.

