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Weather summary:

December 2017

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

Air temperatures averaged 30.4 degrees in December, 0.5 degrees above the long-term average (Figure 1). The southwestern crop reporting district (CRD) had the highest temperatures with an average of 35.3 degrees. The lowest regional temperature was 26.2 degrees, reported from the northwestern CRD.

Precipitation averaged 0.79 inches, 1.90 inches below the longterm average. The southeastern district had the highest average with 2.07 inches. The northeastern district had the lowest average at 0.41 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

December has been very dry actually and the weather should cooperate with field operations. We can have an inch of rain this time of year and not be back in the field for the rest of the season. A dry December so far is helping operations.

The PR is ongoing for now. December was a busy PR Month. We are always doing PR weeks ahead of when the fields actually get spread.

We invite all regulatory and industry leaders to help out with biosolids land application PR by educating and promoting biosolids recycling.

| | |
|---------------|--|
| | |
| | |
| County | |
| Will-11 | |
| Kendall-20 | |
| LaSalle-6 | |
| Grundy-1 | |
| Cook-0 | |
| | |
| | |



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

December is known as bonus fall spreading time. We finish the fall season and look forward to any extra December spreading that can be done.

December fields to spread are usually subject to weather challenges. We stay in close contact with our farmers .

Some soil Sampling and PR still occurring. If we can catch a dry December, everything will work very smoothly. Thankfully, the second half November finally dried up.



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 VOLUMES APPLIED NOVEMBER 2017

| <u>FIELD</u> | <u>ACRES</u> | <u>WET TONS</u> |
|------------------|--------------|-----------------|
| WL Mundt 8 | 150 | 5509.70 |
| WL Nykaza 9 | 149 | 2143.93 |
| WL Domagalla 13 | 61 | 2742.22 |
| LS Erickson 3 | 47 | 1577.87 |
| LS Jensen 1 | 97 | 2702.61 |
| LS Stewart 3 | 195 | 5754.26 |
| LS Farrantello 2 | 63 | 2079.06 |
| KE Kaco 3C | 150 | 5061.08 |
| KE Kaco 3B | 308 | 4927.98 |
| <u>CALUMET</u> | | |
| WL Nykaza 9 | 149 | 4927.98 |

Safety Meetings

In the month of December, we continued to do tool box talks with our drivers and operators along with specific safety trainings such as defensive driving.

Agronomy Corner

During December, fall harvest is still in progress due to wet conditions in October and November.

Throw in a poor market and it is a perfect storm for slow harvest in 2017. Fall harvest is so important for major spreading.

With not being able to get much done in October or November, we are waiting for fall harvest to open up full steam. November was slow.

Timing is important. We try to time spreading so we can maximize every day possible.

We are hoping for it to dry soon for fall hauling! Working in December is always a bonus.