

**Summary of land application YoY- City of La Crosse WI**

Year	Spring	Summer	Fall	Total	Units	Loads	Dewatered Cake	Units	Loads
2017	5,400,000	-	7,395,000	12,795,000	gallons	2,133	168	Dry Tons	42
2018	3,348,000	-	2,122,000	5,470,000	gallons	912	627	Dry Tons	157
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**Methods to mitigate impact of weather in 2018**

1. Through diligent efforts of our Technical staff, we were able to rent 87 acres from the Servais Family Farm, which allowed for the application of 305 Dry Tons or roughly equal to 1.3 MM gallons during the Summer of 2018
2. Diversifying land base with the addition of Minnesota land base, which allowed application to occur through the middle of June 2018, gaining roughly 15 additional spreading days in the spring compared to prior years.
3. 24 hour operation when possible based upon field availability and location
4. Land application concurrently of Dewatered Cake and Liquid Biosolids to maximize remaining land application days. Significant as this has never occurred.
5. Assisting WDNR with re-evaluating of previously approve land application sites. WDNR had notified us that the fields could not be applied until aerial photos, soil maps, and land owner consents were updated. Most of these sites had been approved prior to 2004. This impacted nearly 1,000 acres.

**Wisconsin Weekly Weather, Selected Cities  
Ending as of 7:00 am on November 4, 2018**

City	Temperature						Growing degree days (modified base 50) 1/		Precipitation				
	Avg max	Avg min	High max	Low min	Avg	Avg dep from normal*	Mar 1 to Nov 3	Mar 1 to Nov 3 normal*	Last week	Since Sep 1	Sep 1 dep from normal*	Year To Date	Year dep from normal*
<b>Eau Claire</b>	49	31	52	25	40	-1	2896	2580	0.13	8.74	+2.55	35.57	+6.18
<b>Green Bay</b>	50	36	58	31	43	+1	2853	2439	0.32	9.78	+4.29	36.87	+11.09
<b>La Crosse</b>	54	38	57	30	46	+2	3467	2929	0.35	9.13	+3.39	38.28	+9.06
<b>Madison</b>	51	36	58	28	44	+0	3077	2891	0.63	13.53	+8.06	52.51	+23.34
<b>Milwaukee</b>	53	42	62	32	47	+1	3127	n.a.	0.43	12.36	+6.34	43.17	+12.99