

**Sherburne Soil and Water Conservation District Ph: (763)241-1170 ext. 4**

8/18/2015

<b>Rain Reports</b>		
7 day rainfall total 1.69" (Aug 17 - Aug 23)		
April	1.19	August
May	6.19	September
June	4.4	October
July	6.4	
* Rainfall from St. Cloud Airport		

<b>Irrigation Information</b>					
Crop:	Corn	Russets	Reds	Soybeans	Green Beans
Planting Dates:	8-May-15	27-Apr-15	15-Apr-15	11-May-15	8-Jun-15
Stage of Growth:	Early Dent	Ripening	Harvest	Full Pod Fill	Harvest
Allowable Depletion(%):	50%	50%	0%	60%	0%

**Climate Information**

**Daily Evapotranspiration (ET's)**

Day	Daily Temps		Humidity		Solar Radiation (Langley's)	Average Wind (MPH)	Potential ET	Actual Crop Water Use (inches)				
	High (F)	Low (F)	High(%)	Low(%)				Corn ET	Russets ET	Reds ET	Soybeans ET	Green Beans ET
8/17/2015	74.8	57	99	53	330.4	1.6	0.11	0.12	0.08	0.00	0.10	0.00
8/18/2015	63.9	57.4	100	84	81.1	2	0.03	0.03	0.02	0.00	0.03	0.00
8/19/2015	66	54.9	100	68	246.8	4.8	0.09	0.09	0.07	0.00	0.08	0.00
8/20/2015	73.8	48.9	96	41	568.5	3.9	0.17	0.18	0.12	0.00	0.16	0.00
8/21/2015	79.3	56.5	92	64	389	2.9	0.14	0.14	0.10	0.00	0.13	0.00
8/22/2015	80.2	59.4	96	69	204.8	5.3	0.12	0.12	0.08	0.00	0.11	0.00
8/23/2015	67.5	56.3	94	54	323.6	6.5	0.15	0.15	0.10	0.00	0.14	0.00
NA = No data available						4 Day Avg	0.15	0.15	0.10	0.00	0.14	0.00
						7 Day Total	0.81	0.83	0.58	0.00	0.76	0.00
						Running Total	22.77	16.01	14.74	13.81	13.69	6.41

<b>Growing Degree Days (GDD's 50/86)</b>				
		Current GDD's	Normal GDD's	Departure from Normal
Starting	April 1	2094	1973	121
Starting	May 1	1931	1851	80

Daily GDD's

8/17/2015	16
8/18/2015	11
8/19/2015	10
8/20/2015	12
8/21/2015	18
8/22/2015	20
8/23/2015	12

Call the Sherburne SWCD at (763)241-1170 ext. 4 to request a weekly summary of the ETs

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**Crop ET Forecast for Aug 10 - Aug 16 2015**

<b>Predicted Evapotranspiration (ET's)</b>						
		Actual Crop Water Use (inches)				
		Corn	*Russets	Reds	Soybeans	Green Beans
Growth stage ->		Early Dent	Ripening	Harvest	Full Pod Fill	Harvest
week ->		16	14	0	14	0
Allowable depletion ->		50%	50%	0%	60%	0%
Date	Forecasted High Temp °	ET	ET	ET	ET	ET
8/24/2015	68	0.11	0.09	0.00	0.08	0.00
8/25/2015	70	0.14	0.11	0.00	0.10	0.00
8/26/2015	72	0.14	0.11	0.00	0.10	0.00
8/27/2015	76	0.14	0.11	0.00	0.10	0.00
8/28/2015	72	0.14	0.11	0.00	0.10	0.00
8/29/2015	77	0.14	0.11	0.00	0.10	0.00
8/30/2015	81	0.17	0.14	0.00	0.13	0.00

Forecasted Temperatures are taken from the NOAA (National Oceanic and Atmospheric Administration) [www.noaa.gov](http://www.noaa.gov) for zip code 55319

\* Data provided for russet potatoes is based off of early russets planted April 27th.