

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

9/8/2015

Rain Reports			
7 day rainfall total 1.06" (Aug 31 - Sept 6)			
April	1.19	August	5.87
May	6.19	September	
June	4.4	October	
July	6.4		
* Rainfall from St. Cloud Airport			

Irrigation Information					
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:	1/2 Milk	Harvest	Harvest	1st Yellow Pod	Harvest
Allowable Depletion(%):	60%	0%	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
8/31/2015	82.9	65.7	98	64	433.2	3.2	0.15	0.13	0.00	0.00	0.12	0.00
9/1/2015	84.9	67.5	99	68	309.8	1.2	0.12	0.10	0.00	0.00	0.09	0.00
9/2/2015	78.4	66.6	98	76	218.5	1.8	0.09	0.07	0.00	0.00	0.07	0.00
9/3/2015	85.6	65.5	99	68	436.8	2.4	0.15	0.12	0.00	0.00	0.11	0.00
9/4/2015	88.3	69.8	97	63	424.3	3.9	0.17	0.13	0.00	0.00	0.12	0.00
9/5/2015	89.1	72.7	95	59	407.8	3.8	0.18	0.14	0.00	0.00	0.12	0.00
9/6/2015	85.6	68.4	98	72	282.4	3.4	0.12	0.09	0.00	0.00	0.08	0.00
NA = No data available						4 Day Avg	0.16	0.12	0.00	0.00	0.10	0.00
						7 Day Total	0.98	0.79	0.00	0.00	0.69	0.00
						Running Total	24.72	17.71	14.74	13.81	15.22	6.41

Growing Degree Days (GDD's 50/86)				
		Current GDD's	Normal GDD's	Departure from Normal
Starting	April 1	2380	2178	202
Starting	May 1	2217	2056	161

Daily GDD's

8/31/2015	24
9/1/2015	26
9/2/2015	23
9/3/2015	26
9/4/2015	28
9/5/2015	29
9/6/2015	27

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

Predicted Evapotranspiration (ET's)						
		Actual Crop Water Use (inches)				
		Corn	*Russets	Reds	Soybeans	Green Beans
Growth stage ->		1/2 Milk	Harvest	Harvest	1st yellow pod	Harvest
week ->		18	0	0	16	0
Allowable depletion ->		50%	0%	0%	60%	0%
Date	Forecasted High Temp °	ET	ET	ET	ET	ET
9/8/2015	82	0.06	0.00	0.00	0.06	0.00
9/9/2015	75	0.05	0.00	0.00	0.05	0.00
9/10/2015	73	0.05	0.00	0.00	0.05	0.00
9/11/2015	68	0.04	0.00	0.00	0.04	0.00
9/12/2015	66	0.04	0.00	0.00	0.04	0.00
9/13/2015	69	0.04	0.00	0.00	0.04	0.00
9/14/2015	75	0.05	0.00	0.00	0.05	0.00

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

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