

Sherburne Soil and Water Conservation District Ph: (763)241-1170 ext. 3

6/20/2011

Rain Reports		
7 day rainfall total 1.62		
April 2.53	August	
May 3.96	September	
June	October	
July		
* Rainfall from Crescent Lake Climate Station, Clear Lake		

Irrigation Information					
Crop:	Corn	Russets	Reds	Soybeans	Green Beans
Planting Dates:	9-May-11	9-May-11	18-Apr-11	13-May-11	20-May-11
Stage of Growth:	8-leaf	budding	budding	3rd trifoliolate	2nd trifoliolate
Allowable Depletion(%):	55%	40%	40%	60%	60%

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	
6/13/2011	77	54	83	28	509	6	0.25	0.13	0.19	0.19	0.10	0.08	
6/14/2011	78	58	96	36	419	5	0.20	0.10	0.15	0.15	0.08	0.06	
6/15/2011	71	57	98	61	319	3	0.11	0.06	0.09	0.09	0.05	0.03	
6/16/2011	73	59	99	60	466	2	0.16	0.09	0.13	0.13	0.07	0.05	
6/17/2011	79	55	99	66	388	2	0.14	0.08	0.11	0.11	0.06	0.04	
6/18/2011	71	63	99	82	117	2	0.05	0.03	0.04	0.04	0.02	0.02	
6/19/2011	73	57	99	77	270	2	0.10	0.06	0.08	0.08	0.05	0.03	
*No data available							4 Day Avg.	0.11	0.07	0.09	0.09	0.05	0.03
							7 Day Total	1.01	0.55	0.79	0.79	0.44	0.31
							Running Total	10.23	2.42	2.49	2.90	1.21	0.96

Growing Degree Days (GDD's 50/86)				
		Current GDD's	Normal GDD's	Departure from Normal
Starting	April 1	678	720	-42
Starting	May 1	597	598	-1

Daily GDD's	
6/13/2011	15
6/14/2011	18
6/15/2011	14
6/16/2011	16
6/17/2011	17
6/18/2011	17
6/19/2011	15

*No data available

Call the Sherburne SWCD at (763)241-1170 ext. 3 to request a weekly summary of the ETs

Sherburne Soil and Water Conservation District Ph: (763)241-1170 ext. 3

6/27/2011

Rain Reports		
7 day rainfall total 1.15		
April	2.53	August
May	3.96	September
June		October
July		
* Rainfall from Crescent Lake Climate Station, Clear Lake		

Irrigation Information					
Crop:	Corn	Russets	Reds	Soybeans	Green Beans
Planting Dates:	9-May-11	9-May-11	18-Apr-11	13-May-11	20-May-11
Stage of Growth:	9-leaf	tuber initiation	tuber initiation	3rd trifoliolate	3rd trifoliolate
Allowable Depletion(%):	55%	30%	30%	60%	60%

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	
6/20/2010	71	54	100	72	398	3	0.13	0.08	0.13	0.14	0.07	0.09	
6/21/2010	75	58	98	75	234	4	0.10	0.06	0.10	0.11	0.05	0.07	
6/22/2010	66	54	100	93	131	4	0.04	0.02	0.04	0.04	0.02	0.03	
6/23/2010	62	54	98	76	214	5	0.09	0.06	0.09	0.10	0.05	0.06	
6/24/2010	75	49	98	38	577	2	0.18	0.11	0.19	0.19	0.11	0.12	
6/25/2010	73	56	99	54	487	4	0.18	0.11	0.19	0.19	0.11	0.12	
6/26/2010	75	59	98	68	369	4	0.15	0.09	0.16	0.16	0.09	0.10	
*No data available							4 Day Avg.	0.15	0.09	0.16	0.16	0.09	0.10
							7 Day Total	0.87	0.54	0.91	0.92	0.51	0.59
							Running Total	11.10	2.96	3.40	3.82	1.72	1.55

Growing Degree Days (GDD's 50/86)				
		Current GDD's	Normal GDD's	Departure from Normal
Starting	April 1	768	846	-78
Starting	May 1	687	724	-37

Daily GDD's	
6/20/2010	13
6/21/2010	16
6/22/2010	10
6/23/2010	8
6/24/2010	12
6/25/2010	14
6/26/2010	17

*No data available

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