

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

9/6/2011

<b>Rain Reports</b>			
7 day rainfall total 0.35			
April	2.53	August	4.34"
May	3.96	September	
June	2.89	October	
July	8.46		
* Rainfall from Crescent Lake Climate Station, Clear Lake			

<b>Irrigation Information</b>					
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:	full dent	Harvest	Harvest	Full Pod Fill	Harvest
Allowable Depletion(%):	55%	40%	40%	60%	50%

<b>Climate Information</b>							<b>Daily Evapotranspiration (ET's)</b>						
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	
8/28/2011	76	52	100	44	494	1	0.10	0.10	0.06	0.00	0.09	0.00	
8/29/2011	78	53	99	78	106	2	0.14	0.14	0.08	0.00	0.13	0.00	
8/30/2011	69	59	99	85	133	2	0.05	0.05	0.03	0.00	0.05	0.00	
8/31/2011	74	62	99	65	272	3	0.05	0.05	0.03	0.00	0.04	0.00	
9/1/2011	88	68	99	53	348	3	0.11	0.10	0.06	0.00	0.09	0.00	
9/2/2011	77	64	98	43	399	4	0.13	0.12	0.08	0.00	0.10	0.00	
9/3/2011	73	57	93	49	400	5	0.13	0.12	0.08	0.00	0.10	0.00	
*No data available							4 Day Avg.	0.11	0.10	0.06	0.00	0.09	0.00
							7 Day Total	0.71	0.67	0.42	0.00	0.61	0.00
							Running Total	24.14	15.58	14.35	10.87	14.21	9.03

<b>Growing Degree Days (GDD's 50/86)</b>				
		Current GDD's	Normal GDD's	Departure from Normal
Starting	April 1	2251	2152	99
Starting	May 1	2170	2030	140

Daily GDD's	
8/28/2011	14
8/29/2011	15
8/30/2011	14
8/31/2011	18
9/1/2011	27
9/2/2011	20
9/3/2011	15

\*No data available

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

9/12/2011

<b>Rain Reports</b>			
7 day rainfall total 0.13			
April	2.53	August	4.34"
May	3.96	September	
June	2.89	October	
July	8.46		
* Rainfall from Crescent Lake Climate Station, Clear Lake			

<b>Irrigation Information</b>					
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:	1/2 Milk	Harvest	Harvest	1st Yellow Pod	Harvest
Allowable Depletion(%):	60%	40%	40%	60%	50%

<b>Climate Information</b>							<b>Daily Evapotranspiration (ET's)</b>						
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	
9/5/2011	69	42	100	37	501	1	0.11	0.10	0.06	0.00	0.08	0.00	
9/6/2011	71	46	99	40	493	2	0.12	0.10	0.07	0.00	0.09	0.00	
9/7/2011	78	47	100	39	482	1	0.12	0.10	0.07	0.00	0.08	0.00	
9/8/2011	82	51	100	37	438	2	0.13	0.11	0.07	0.00	0.09	0.00	
9/9/2011	86	57	96	33	465	3	0.15	0.12	0.09	0.00	0.09	0.00	
9/10/2011	87	55	97	32	439	1	0.13	0.10	0.07	0.00	0.08	0.00	
9/11/2011	85	57	100	33	450	2	0.14	0.11	0.08	0.00	0.08	0.00	
*No data available							4 Day Avg.	0.14	0.11	0.08	0.00	0.09	0.00
							7 Day Total	0.90	0.73	0.51	0.00	0.59	0.00
							Running Total	24.14	15.58	14.35	10.87	14.21	9.03

<b>Growing Degree Days (GDD's 50/86)</b>				
		Current GDD's	Normal GDD's	Departure from Normal
Starting	April 1	2364	2239	125
Starting	May 1	2283	2117	166

Daily GDD's	
9/5/2011	10
9/6/2011	11
9/7/2011	14
9/8/2011	17
9/9/2011	21
9/10/2011	20
9/11/2011	21

\*No data available

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

9/19/2011

<b>Rain Reports</b>			
7 day rainfall total 0.25			
April	2.53	August	4.34"
May	3.96	September	
June	2.89	October	
July	8.46		
* Rainfall from Crescent Lake Climate Station, Clear Lake			

<b>Irrigation Information</b>					
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:	black layer	Harvest	Harvest	Full Maturity	Harvest
Allowable Depletion(%):	65%	40%	40%	70%	50%

<b>Climate Information</b>							<b>Daily Evapotranspiration (ET's)</b>						
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	
9/12/2011	85	55	98	39	442	4	0.16	0.12	0.00	0.00	0.09	0.00	
9/13/2011	68	46	95	32	433	4	0.13	0.09	0.00	0.00	0.07	0.00	
9/14/2011	55	37	90	34	413	5	0.11	0.08	0.00	0.00	0.06	0.00	
9/15/2011	57	31	100	30	436	1	0.08	0.05	0.00	0.00	0.04	0.00	
9/16/2011	58	42	82	35	247	3	0.09	0.06	0.00	0.00	0.04	0.00	
9/17/2011	64	44	90	45	208	4	0.10	0.06	0.00	0.00	0.04	0.00	
9/18/2011	59	52	99	63	66	3	0.02	0.01	0.00	0.00	0.01	0.00	
*No data available							4 Day Avg.	0.07	0.05	0.00	0.00	0.03	0.00
							7 Day Total	0.69	0.47	0.00	0.00	0.34	0.00
							Running Total	24.83	16.05	14.35	10.87	14.54	9.03

<b>Growing Degree Days (GDD's 50/86)</b>				
		Current GDD's	Normal GDD's	Departure from Normal
Starting	April 1	2416	2312	104
Starting	May 1	2335	2190	145

Daily GDD's	
9/12/2011	20
9/13/2011	9
9/14/2011	3
9/15/2011	3
9/16/2011	4
9/17/2011	7
9/18/2011	6

\*No data available

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

9/26/2011

<b>Rain Reports</b>			
7 day rainfall total 0.16"			
April	2.53	August	4.34"
May	3.96	September	
June	2.89	October	
July	8.46		
* Rainfall from Crescent Lake Climate Station, Clear Lake			

<b>Irrigation Information</b>					
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:	Maturity	Harvest	Harvest	Harvest	Harvest
Allowable Depletion(%):	70%	40%	40%	70%	50%

<b>Climate Information</b>							<b>Daily Evapotranspiration (ET's)</b>						
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	
9/19/2011	73	46	100	27	390	2	0.10	0.06	0.00	0.00	0.04	0.00	
9/20/2011	66	52	95	45	191	5	0.10	0.06	0.00	0.00	0.04	0.00	
9/21/2011	57	50	97	72	133	6	0.06	0.03	0.00	0.00	0.02	0.00	
9/22/2011	55	41	98	55	208	2	0.06	0.03	0.00	0.00	0.02	0.00	
9/23/2011	59	35	100	57	317	1	0.06	0.03	0.00	0.00	0.02	0.00	
9/24/2011	63	37	100	49	376	1	0.07	0.03	0.00	0.00	0.02	0.00	
9/25/2011	64	36	100	51	319	1	0.07	0.03	0.00	0.00	0.02	0.00	
*No data available							4 Day Avg.	0.07	0.03	0.00	0.00	0.02	0.00
							7 Day Total	0.52	0.27	0.00	0.00	0.18	0.00
							Running Total	25.35	16.32	14.35	10.87	14.72	9.03

<b>Growing Degree Days (GDD's 50/86)</b>				
		Current GDD's	Normal GDD's	Departure from Normal
Starting	April 1	2461	2372	89
Starting	May 1	2380	2250	130

Daily GDD's	
9/19/2011	12
9/20/2011	9
9/21/2011	3
9/22/2011	2
9/23/2011	5
9/24/2011	7
9/25/2011	7

\*No data available

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