

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

7/4/2011

Rain Reports		
7 day rainfall total 1.15		
April	2.53	August
May	3.96	September
June	2.89	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:	11-leaf	tuber initiation	tuber initiation	3rd trifoliolate	3rd trifoliolate
Allowable Depletion(%):	50%	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	
6/27/2011	73	56	93	44	516	6	0.21	0.13	0.22	0.22	0.14	0.17	
6/28/2011	77	55	95	35	722	2	0.22	0.15	0.23	0.23	0.15	0.18	
6/29/2011	84	59	92	41	678	5	0.27	0.18	0.29	0.28	0.19	0.22	
6/30/2011	92	71	90	58	559	4	0.26	0.18	0.28	0.27	0.18	0.21	
7/1/2011	95	65	98	41	536	3	0.22	0.16	0.23	0.23	0.16	0.18	
7/2/2011	82	63	98	35	709	3	0.25	0.19	0.27	0.26	0.19	0.20	
7/3/2011	84	60	100	34	660	2	0.23	0.17	0.24	0.23	0.18	0.18	
*No data available							4 Day Avg.	0.24	0.18	0.25	0.25	0.18	0.19
							7 Day Total	1.66	1.16	1.76	1.73	1.18	1.33
							Running Total	12.76	4.13	5.16	5.55	2.90	2.88

Growing Degree Days (GDD's 50/86)				
		Current GDD's	Normal GDD's	Departure from Normal
Starting	April 1	918	982	-64
Starting	May 1	837	860	-23

Daily GDD's	
6/27/2011	15
6/28/2011	16
6/29/2011	21
6/30/2011	29
7/1/2011	25
7/2/2011	22
7/3/2011	22

*No data available

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

7/18/2011

Rain Reports		
7 day rainfall total 2.67		
April	2.53	August
May	3.96	September
June	2.89	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:	Tassel	bulking	bulking	Full Bloom	Pods Set
Allowable Depletion(%):	30%	30%	30%	40%	50%

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	
7/11/2011	82	65	99	42	673	4	0.25	0.23	0.26	0.24	0.25	0.24	
7/12/2011	75	61	90	55	531	3	0.18	0.17	0.18	0.17	0.18	0.17	
7/13/2011	73	55	95	51	551	2	0.18	0.17	0.18	0.17	0.18	0.17	
7/14/2011	69	62	98	74	109	3	0.05	0.05	0.05	0.05	0.05	0.05	
7/15/2011	78	69	99	80	171	3	0.08	0.08	0.08	0.07	0.08	0.08	
7/16/2011	84	70	98	79	283	3	0.12	0.12	0.12	0.11	0.13	0.11	
7/17/2011	88	76	99	76	287	2	0.13	0.13	0.12	0.11	0.14	0.12	
*No data available							4 Day Avg.	0.10	0.09	0.09	0.09	0.10	0.09
							7 Day Total	0.99	0.93	0.99	0.92	1.01	0.94
							Running Total	15.29	6.33	7.75	7.99	5.37	5.28

Growing Degree Days (GDD's 50/86)				
		Current GDD's	Normal GDD's	Departure from Normal
Starting	April 1	1240	1262	-22
Starting	May 1	1159	1140	19

Daily GDD's	
7/11/2011	23
7/12/2011	18
7/13/2011	14
7/14/2011	15
7/15/2011	23
7/16/2011	27
7/17/2011	31

*No data available

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

7/18/2011

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7 day rainfall total 1.29		
April	2.53	August
May	3.96	September
June	2.89	October
July		
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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:	Silk	bulking	Ripening	Early Pod Fill	Harvest
Allowable Depletion(%):	30%	30%	40%	40%	50%

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	
7/18/2011	93	74	98	57	632	2	0.27	0.27	0.26	0.23	0.29	0.26	
7/19/2011	93	75	98	65	449	3	0.20	0.20	0.19	0.17	0.22	0.19	
7/20/2011	93	73	87	51	626	4	0.29	0.30	0.28	0.24	0.32	0.28	
7/21/2011	85	63	93	33	622	2	0.22	0.23	0.21	0.18	0.24	0.21	
7/22/2011	88	66	97	54	467	1	0.18	0.19	0.17	0.14	0.20	0.17	
7/23/2011	84	63	98	61	347	3	0.14	0.15	0.13	0.11	0.16	0.13	
7/24/2011	82	58	99	42	651	2	0.21	0.22	0.20	0.16	0.23	0.20	
*No data available							4 Day Avg.	0.19	0.20	0.18	0.15	0.21	0.18
							7 Day Total	1.51	1.55	1.43	1.22	1.66	1.43
							Running Total	16.80	7.89	9.18	9.21	7.03	6.72

Growing Degree Days (GDD's 50/86)				
		Current GDD's	Normal GDD's	Departure from Normal
Starting	April 1	1423	1402	21
Starting	May 1	1342	1280	62

Daily GDD's	
7/18/2011	30
7/19/2011	30
7/20/2011	29
7/21/2011	24
7/22/2011	26
7/23/2011	23
7/24/2011	20

*No data available

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

7/11/2011

Rain Reports		
7 day rainfall total 3.17		
April	2.53	August
May	3.96	September
June	2.89	October
July		
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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:	11-14 leaf	bulking	bulking	First Bloom	Full Bloom
Allowable Depletion(%):	50%	30%	30%	50%	50%

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	
7/4/2011	87	60	95	46	671	3	0.25	0.19	0.26	0.26	0.23	0.24	
7/5/2011	84	64	98	50	426	3	0.18	0.14	0.19	0.18	0.17	0.17	
7/6/2011	83	59	97	40	675	1	0.23	0.19	0.24	0.23	0.21	0.22	
7/7/2011	84	65	97	44	519	2	0.19	0.16	0.20	0.19	0.18	0.18	
7/8/2011	89	64	99	37	683	1	0.25	0.21	0.26	0.25	0.24	0.24	
7/9/2011	85	72	95	65	436	4	0.20	0.17	0.21	0.19	0.19	0.19	
7/10/2011	90	65	99	55	609	3	0.24	0.21	0.24	0.23	0.24	0.23	
*No data available							4 Day Avg.	0.22	0.19	0.23	0.21	0.21	0.21
							7 Day Total	1.54	1.28	1.60	1.52	1.46	1.46
							Running Total	14.30	5.40	6.76	7.07	4.36	4.34

Growing Degree Days (GDD's 50/86)				
		Current GDD's	Normal GDD's	Departure from Normal
Starting	April 1	1089	1122	-33
Starting	May 1	1008	1000	8

Daily GDD's	
7/4/2011	23
7/5/2011	24
7/6/2011	21
7/7/2011	24
7/8/2011	25
7/9/2011	29
7/10/2011	26

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

7/25/2011

Rain Reports		
7 day rainfall total 1.29		
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June	2.89	October
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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:	Silk	bulking	Ripening	Early Pod Fill	Harvest
Allowable Depletion(%):	30%	30%	40%	40%	50%

Climate Information							Daily Evapotranspiration (ET's)						
Day	Daily Temps		Humidity		Solar Radiation (Langley's)	Average Wind (MPH)	Potential ET	Actual Crop Water Use (inches)					
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7/23/2011	84	63	98	61	347	3	0.14	0.15	0.13	0.11	0.16	0.13	
7/24/2011	82	58	99	42	651	2	0.21	0.22	0.20	0.16	0.23	0.20	
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							7 Day Total	1.51	1.55	1.43	1.22	1.66	1.43
							Running Total	16.80	7.89	9.18	9.21	7.03	6.72

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		Current GDD's	Normal GDD's	Departure from Normal
Starting	April 1	1423	1402	21
Starting	May 1	1342	1280	62

Daily GDD's	
7/18/2011	30
7/19/2011	30
7/20/2011	29
7/21/2011	24
7/22/2011	26
7/23/2011	23
7/24/2011	20

*No data available

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