

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

8/1/2011

Rain Reports		
7 day rainfall total 0.49		
April	2.53	August
May	3.96	September
June	2.89	October
July	8.46	
* 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:	Blister	Bulking	Ripening	Mid Pod Fill	Harvest
Allowable Depletion(%):	35%	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	
7/25/2011	85	62	99	49	616	2	0.21	0.23	0.20	0.16	0.24	0.20	
7/26/2011	82	60	96	46	589	2	0.21	0.23	0.19	0.16	0.24	0.20	
7/27/2011	88	68	99	64	449	2	0.18	0.20	0.16	0.13	0.20	0.17	
7/28/2011	85	66	99	56	452	2	0.17	0.19	0.15	0.12	0.19	0.16	
7/29/2011	85	62	99	48	615	1	0.21	0.23	0.18	0.15	0.24	0.20	
7/30/2011	87	68	97	60	513	2	0.20	0.22	0.17	0.14	0.22	0.19	
7/31/2011	89	68	96	60	553	1	0.21	0.24	0.18	0.14	0.24	0.20	
*No data available							4 Day Avg.	0.20	0.22	0.17	0.14	0.22	0.19
							7 Day Total	1.39	1.53	1.24	0.99	1.56	1.32
							Running Total	18.19	9.42	10.42	10.20	8.59	8.04

Growing Degree Days (GDD's 50/86)				
		Current GDD's	Normal GDD's	Departure from Normal
Starting	April 1	1597	1542	55
Starting	May 1	1516	1420	96

Daily GDD's	
7/25/2011	24
7/26/2011	21
7/27/2011	27
7/28/2011	26
7/29/2011	24
7/30/2011	27
7/31/2011	27

*No data available

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

8/8/2011

Rain Reports		
7 day rainfall total 2.12		
April	2.53	August
May	3.96	September
June	2.89	October
July	8.46	
* 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:	Milk	Ripening	Harvest	Mid Pod Fill	Harvest
Allowable Depletion(%):	40%	40%	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	
8/1/2011	78	69	98	73	61	3	0.04	0.05	0.03	0.03	0.04	0.04	
8/2/2011	86	66	99	64	331	4	0.15	0.17	0.12	0.10	0.17	0.14	
8/3/2011	83	59	98	38	624	2	0.21	0.24	0.17	0.14	0.24	0.20	
8/4/2011	84	62	99	47	585	1	0.19	0.22	0.15	0.12	0.21	0.18	
8/5/2011	84	62	100	53	467	1	0.17	0.19	0.13	0.11	0.19	0.16	
8/6/2011	82	65	97	62	409	2	0.15	0.17	0.12	0.09	0.17	0.14	
8/7/2011	79	62	99	61	433	1	0.14	0.16	0.11	0.09	0.15	0.13	
*No data available							4 Day Avg.	0.16	0.19	0.13	0.10	0.18	0.15
							7 Day Total	1.05	1.20	0.84	0.67	1.17	1.00
							Running Total	19.24	10.62	11.27	10.87	9.75	9.03

Growing Degree Days (GDD's 50/86)				
		Current GDD's	Normal GDD's	Departure from Normal
Starting	April 1	1757	1682	75
Starting	May 1	1676	1560	116

Daily GDD's	
8/1/2011	23
8/2/2011	26
8/3/2011	21
8/4/2011	23
8/5/2011	23
8/6/2011	24
8/7/2011	21

*No data available

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

8/15/2011

Rain Reports		
7 day rainfall total 0.95		
April	2.53	August
May	3.96	September
June	2.89	October
July	8.46	
* 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:	Soft Dough	Ripening	Harvest	Upper Pod Fill	Harvest
Allowable Depletion(%):	40%	40%	40%	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	
8/8/2011	80	62	100	63	378	2	0.14	0.16	0.11	0.00	0.15	0.00	
8/9/2011	72	56	92	50	421	5	0.16	0.18	0.12	0.00	0.17	0.00	
8/10/2011	78	52	98	47	567	2	0.17	0.19	0.12	0.00	0.18	0.00	
8/11/2011	80	58	95	40	577	2	0.19	0.22	0.14	0.00	0.20	0.00	
8/12/2011	77	60	96	59	324	2	0.13	0.15	0.09	0.00	0.14	0.00	
8/13/2011	78	60	99	55	451	2	0.15	0.17	0.10	0.00	0.16	0.00	
8/14/2011	80	56	100	49	532	1	0.16	0.18	0.11	0.00	0.16	0.00	
*No data available							4 Day Avg.	0.16	0.18	0.11	0.00	0.17	0.00
							7 Day Total	1.10	1.25	0.79	0.00	1.17	0.00
							Running Total	21.40	13.03	12.73	10.87	11.96	9.03

Growing Degree Days (GDD's 50/86)				
		Current GDD's	Normal GDD's	Departure from Normal
Starting	April 1	1882	1815	67
Starting	May 1	1801	1693	108

Daily GDD's	
8/8/2011	21
8/9/2011	14
8/10/2011	15
8/11/2011	19
8/12/2011	19
8/13/2011	19
8/14/2011	18

*No data available

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

8/21/2011

Rain Reports		
7 day rainfall total 0.51		
April	2.53	August
May	3.96	September
June	2.89	October
July	8.46	
* 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:	Hard Dough	Ripening	Harvest	Full Pod Fill	Harvest
Allowable Depletion(%):	45%	40%	40%	60%	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	
8/15/2011	80	65	96	61	61	3	0.16	0.18	0.11	0.00	0.16	0.00	
8/16/2011	79	66	99	67	67	3	0.11	0.12	0.07	0.00	0.11	0.00	
8/17/2011	77	54	100	31	31	2	0.18	0.20	0.12	0.00	0.18	0.00	
8/18/2011	81	54	100	50	50	2	0.17	0.19	0.11	0.00	0.17	0.00	
8/19/2011	75	61	99	44	44	3	0.16	0.17	0.10	0.00	0.16	0.00	
8/20/2011	74	55	98	45	45	2	0.14	0.15	0.09	0.00	0.13	0.00	
8/21/2011	76	53	100	37	37	1	0.14	0.15	0.09	0.00	0.13	0.00	
*No data available							4 Day Avg.	0.15	0.17	0.10	0.00	0.15	0.00
							7 Day Total	1.06	1.16	0.68	0.00	1.04	0.00
							Running Total	21.40	13.03	12.73	10.87	11.96	9.03

Growing Degree Days (GDD's 50/86)				
		Current GDD's	Normal GDD's	Departure from Normal
Starting	April 1	2007	1939	68
Starting	May 1	1926	1817	109

Daily GDD's	
8/15/2011	23
8/16/2011	22
8/17/2011	16
8/18/2011	18
8/19/2011	18
8/20/2011	14
8/21/2011	15

*No data available

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

8/29/2011

Rain Reports		
7 day rainfall total 0.13		
April	2.53	August
May	3.96	September
June	2.89	October
July	8.46	
* 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:	Early Dent	Harvest	Harvest	Full Pod Fill	Harvest
Allowable Depletion(%):	50%	40%	40%	60%	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	
8/22/2011	81	52	100	49	538	2	0.17	0.18	0.10	0.00	0.16	0.00	
8/23/2011	84	65	98	66	466	3	0.17	0.18	0.10	0.00	0.16	0.00	
8/24/2011	77	59	93	39	551	5	0.22	0.23	0.13	0.00	0.21	0.00	
8/25/2011	81	56	98	41	535	2	0.16	0.16	0.10	0.00	0.15	0.00	
8/26/2011	82	59	90	45	497	3	0.18	0.18	0.11	0.00	0.17	0.00	
8/27/2011	75	52	98	49	332	1	0.11	0.11	0.07	0.00	0.10	0.00	
8/28/2011	76	52	100	47	343	1	0.10	0.10	0.06	0.00	0.09	0.00	
*No data available							4 Day Avg.	0.14	0.14	0.08	0.00	0.13	0.00
							7 Day Total	1.11	1.15	0.68	0.00	1.04	0.00
							Running Total	22.51	14.18	13.41	10.87	13.01	9.03

Growing Degree Days (GDD's 50/86)				
		Current GDD's	Normal GDD's	Departure from Normal
Starting	April 1	2133	2053	80
Starting	May 1	2052	1931	121

Daily GDD's	
8/22/2011	17
8/23/2011	25
8/24/2011	18
8/25/2011	18
8/26/2011	21
8/27/2011	14
8/28/2011	14

*No data available

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