



SRC CLIMATE REFERENCE STATION DAILY DATA REPORT

CONSERVATION LEARNING CENTRE

Saskatchewan 53.03°N 105.77°W 451m asl Estab. 2011

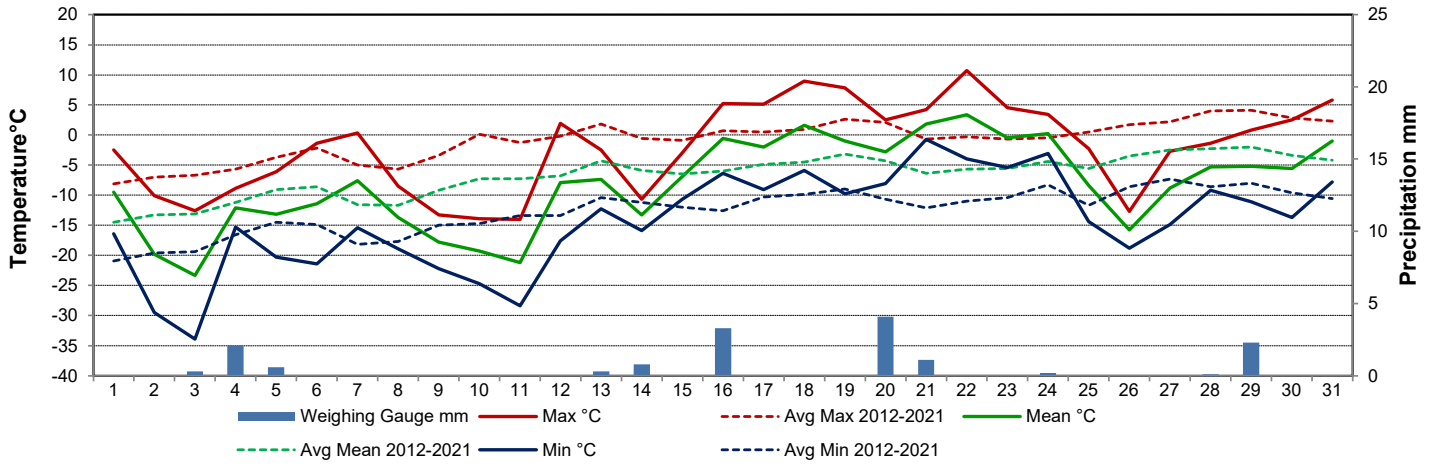
Preliminary **March 2022**

Day	Temperature						Degree-days			Precipitation			Relative Humidity		Station Pressure <i>corrected to sea level</i>	
	Max	Avg Max	Min	Avg Min	Mean	Avg Mean	Growing	Heating	Cooling	Weighing Gauge	Notes:	Snow-on-Ground 0900h	Max ½ hr Avg	Min ½ hr Avg	Max ½ hr Avg	Min ½ hr Avg
	°C	2012-2021	°C	2012-2021	°C	2012-2021	5°C base	18°C base	18°C base	mm		cm	%	%	mbar	mbar
1	-2.5	-8.1	-16.4	-20.9	-9.5	-14.5	0.0	27.5	0.0	0.0		60	91	61	1021	1014
2	-10.1	-7.0	-29.5	-19.6	-19.8	-13.3	0.0	37.8	0.0	0.0		59	85	52	1030	1022
3	-12.6	-6.7	-33.9	-19.4	-23.3	-13.1	0.0	41.3	0.0	0.3		59	83	54	1029	1022
4	-8.9	-5.7	-15.3	-16.6	-12.1	-11.2	0.0	30.1	0.0	2.1		59	92	54	1022	1018
5	-6.1	-3.7	-20.3	-14.5	-13.2	-9.1	0.0	31.2	0.0	0.6		66	92	68	1018	1017
6	-1.4	-2.2	-21.4	-14.9	-11.4	-8.6	0.0	29.4	0.0	0.0		64	93	68	1022	1018
7	0.3	-5.0	-15.4	-18.2	-7.6	-11.6	0.0	25.6	0.0	0.0		72	94	74	1018	1003
8	-8.5	-5.7	-18.9	-17.7	-13.7	-11.7	0.0	31.7	0.0	0.0		53	86	59	1022	1011
9	-13.3	-3.4	-22.2	-15.0	-17.8	-9.2	0.0	35.8	0.0	0.0		54	83	59	1023	1011
10	-13.9	0.1	-24.7	-14.7	-19.3	-7.3	0.0	37.3	0.0	0.0		51	82	58	1021	1003
11	-14.0	-1.3	-28.4	-13.4	-21.2	-7.3	0.0	39.2	0.0	0.0		49	78	53	1024	1008
12	1.9	-0.2	-17.6	-13.4	-7.9	-6.8	0.0	25.9	0.0	0.0		53	88	69	1007	996
13	-2.5	1.8	-12.3	-10.4	-7.4	-4.3	0.0	25.4	0.0	0.3		55	89	50	1016	1006
14	-10.7	-0.6	-15.9	-11.2	-13.3	-5.9	0.0	31.3	0.0	0.8		54	94	72	1018	1009
15	-3.0	-0.9	-10.7	-12.0	-6.9	-6.5	0.0	24.9	0.0	0.0		55	95	85	1008	1002
16	5.2	0.7	-6.4	-12.6	-0.6	-6.0	0.0	18.6	0.0	3.3		56	99	67	1011	1002
17	5.1	0.5	-9.1	-10.3	-2.0	-4.9	0.0	20.0	0.0	0.0		52	98	65	1014	1009
18	9.0	0.9	-5.9	-9.9	1.6	-4.5	0.0	16.4	0.0	0.0		50	97	49	1009	1006
19	7.8	2.6	-9.8	-9.0	-1.0	-3.2	0.0	19.0	0.0	0.0		49	96	50	1010	1008
20	2.5	2.1	-8.1	-10.7	-2.8	-4.3	0.0	20.8	0.0	4.1		49	99	73	1009	1007
21	4.2	-0.7	-0.7	-12.1	1.8	-6.4	0.0	16.2	0.0	1.1		50	99	64	1013	1006
22	10.7	-0.3	-4.0	-11.0	3.4	-5.7	0.0	14.6	0.0	0.0		45	88	38	1020	1013
23	4.5	-0.7	-5.4	-10.4	-0.5	-5.6	0.0	18.5	0.0	0.0		44	93	72	1019	1002
24	3.4	-0.5	-3.1	-8.3	0.2	-4.4	0.0	17.8	0.0	0.2		41	97	63	1016	1000
25	-2.3	0.5	-14.4	-11.7	-8.4	-5.6	0.0	26.4	0.0	0.0		43	81	53	1025	1017
26	-12.7	1.7	-18.8	-8.6	-15.8	-3.5	0.0	33.8	0.0	0.0		42	73	59	1029	1024
27	-2.7	2.2	-14.9	-7.3	-8.8	-2.5	0.0	26.8	0.0	0.0		42	88	68	1023	1011
28	-1.4	4.0	-9.2	-8.6	-5.3	-2.3	0.0	23.3	0.0	0.1		42	95	79	1011	1005
29	0.8	4.1	-11.1	-8.0	-5.2	-2.0	0.0	23.2	0.0	2.3		51	96	59	1015	1007
30	2.5	2.8	-13.7	-9.6	-5.6	-3.4	0.0	23.6	0.0	0.0		48	94	68	1014	1005
31	5.8	2.3	-7.8	-10.6	-1.0	-4.2	0.0	19.0	0.0	0.0		47	94	70	1005	994
Total							0.0	812.4	0.0	15.2						
Avg	-2.0	-1.2	-14.4	-13.0	-8.2	-7.1	Monthly 2012 - 2021 Average			14.1	2012-2021 Average					
Extreme	10.7	17.3	-33.9	-35.8			1.1	740.4	0.0	43.3	2022 Cumulative ppt		99	38	1030	994
Date	22	2012	3	2014						41.8	Cumulative Average		16	22	2	31

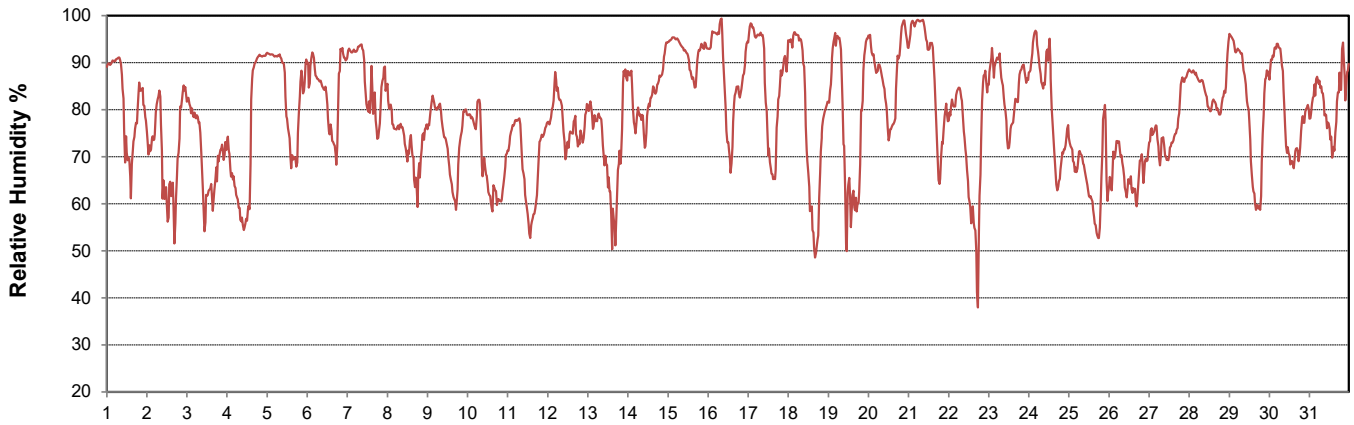
SRC proudly recognizes the following CRS supporters:



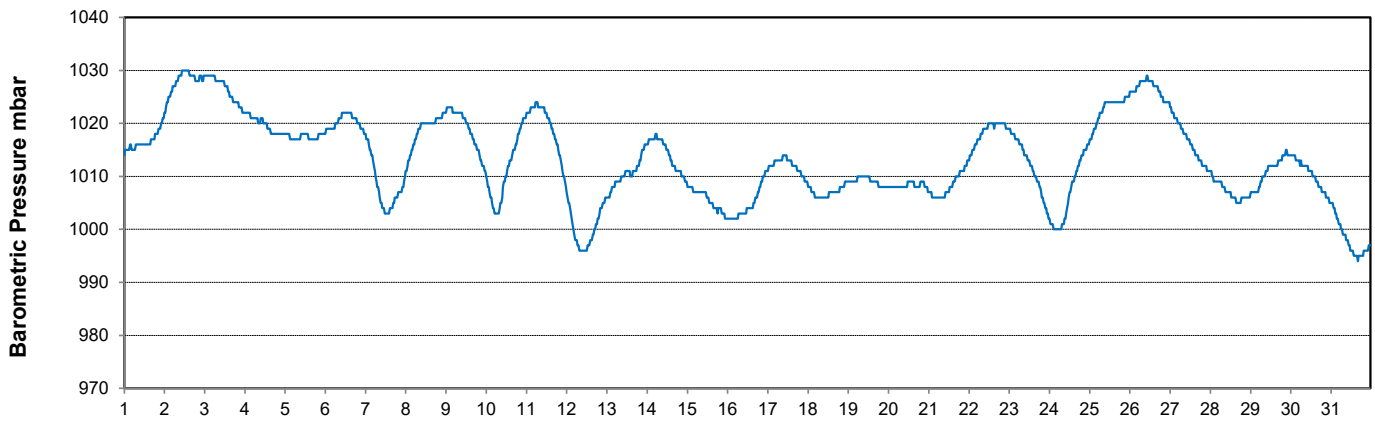
Temperature and Precipitation for March 2022



Relative Humidity for March 2022



Barometric Pressure Corrected to Sea Level for March 2022





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CONSERVATION LEARNING CENTRE

Saskatchewan 53.03°N 105.77°W 451m asl Estab. 2011

Preliminary

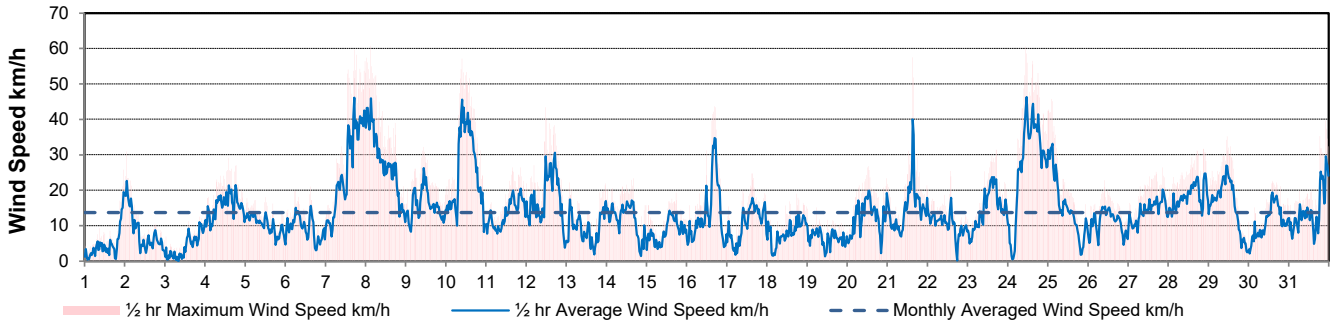
March 2022

Day	Wind Gust			Wind Speed (10 meters)	Soil Temperatures at 0900hrs								Radiation					
	Max	Direction	Time		Daily Average	Surface	5 cm	10 cm	20 cm	50 cm	100 cm	150 cm	300 cm	Bright Sunshine	Bright Sunshine Possible	% Possible	Global	Diffuse
	km/h			km/h	°C	°C	°C	°C	°C	°C	°C	°C	hours	hours		MJ/m ²	MJ/m ²	
1	25.7	NE	23:22	4.9	-7.5	-2.0	-1.5	-1.0	-0.5	1.0	2.0	4.5	1.1	10.9	10.1	8.2	7.5	
2	30.9	NE	1:04	8.2	-9.0	-1.5	-1.5	-1.0	-0.5	1.0	2.0	4.5	10.3	10.9	94.1	13.1	2.2	
3	12.5	ENE	20:46	4.2	-13.5	-1.5	-1.5	-1.0	-0.5	1.0	2.0	4.5	8.2	11.0	74.5	12.0	5.0	
4	29.1	E	14:08	15.6	-10.5	-2.0	-1.5	-1.0	-0.5	1.0	2.0	4.5	0.0	11.1	0.0	6.5	6.1	
5	18.0	N	12:07	10.3	-6.5	-2.0	-1.5	-1.0	-0.5	1.0	2.0	4.5	7.3	11.2	65.5	11.3	5.2	
6	21.0	NNW	15:05	9.4	-7.5	-1.5	-1.5	-1.0	-0.5	1.0	2.0	4.0	6.0	11.2	53.5	11.2	5.8	
7	59.7	NW	17:18	26.1	-7.5	-1.5	-1.5	-1.0	-0.5	1.0	2.0	4.0	0.6	11.3	5.3	9.2	8.4	
8	60.8	NNW	3:23	27.7	-8.0	-1.5	-1.5	-1.0	-0.5	1.0	2.0	4.0	3.2	11.4	28.2	11.6	9.2	
9	32.2	NW	10:32	15.9	-10.5	-1.5	-1.5	-1.0	-0.5	1.0	2.0	4.0	10.8	11.4	94.5	15.2	2.5	
10	57.1	NNW	9:58	25.7	-10.5	-1.5	-1.5	-1.0	-0.5	1.0	2.0	4.0	10.2	11.5	88.7	15.0	3.9	
11	26.4	SW	15:57	13.3	-13.5	-1.5	-1.5	-1.0	-0.5	0.5	2.0	4.0	10.3	11.6	89.0	14.8	4.9	
12	43.4	NNW	11:59	17.4	-9.5	-2.0	-1.5	-1.0	-0.5	0.5	2.0	4.0	4.4	11.6	37.8	11.9	5.9	
13	22.1	N	2:24	9.5	-6.0	-2.0	-2.0	-1.5	-0.5	0.5	2.0	4.0	9.7	11.7	82.8	14.7	3.1	
14	23.4	E	16:19	11.9	-7.0	-2.0	-1.5	-1.0	-0.5	0.5	2.0	4.0	0.3	11.8	2.5	10.0	9.1	
15	19.3	ENE	17:52	8.4	-5.5	-1.5	-1.5	-1.0	-1.0	0.5	1.5	4.0	6.2	11.9	52.3	12.1	9.0	
16	43.6	WNW	16:48	13.4	-3.5	-1.5	-1.5	-1.0	-1.0	0.5	1.5	4.0	6.3	11.9	52.9	13.3	5.9	
17	24.7	SSW	15:18	10.5	-3.0	-1.5	-1.5	-1.0	-1.0	0.5	1.5	4.0	9.8	12.0	81.7	16.8	3.2	
18	19.0	WNW	17:55	8.1	-3.0	-1.0	-1.0	-1.0	-0.5	0.5	1.5	4.0	9.6	12.1	79.6	14.7	5.0	
19	15.1	S	5:44	6.6	-5.0	-1.0	-1.0	-1.0	-0.5	0.5	1.5	4.0	11.5	12.1	94.8	18.0	3.0	
20	26.8	ESE	12:30	12.6	-5.0	-1.0	-1.0	-0.5	-0.5	0.5	1.5	4.0	3.6	12.2	29.5	10.6	8.3	
21	57.5	NW	15:29	15.1	0.0	-1.0	-1.0	-0.5	-0.5	0.5	1.5	4.0	3.5	12.3	28.5	11.4	8.9	
22	25.4	NW	13:58	10.2	-2.5	-0.5	-1.0	-0.5	-1.0	0.5	1.5	4.0	11.9	12.3	96.4	17.7	2.5	
23	31.4	S	17:15	14.7	-2.0	-0.5	-0.5	-0.5	-1.0	0.5	1.5	4.0	4.5	12.4	36.3	12.6	8.7	
24	60.6	NW	11:00	27.4	1.0	-0.5	-0.5	-0.5	-0.5	0.5	1.5	4.0	5.4	12.5	43.3	12.4	6.3	
25	45.8	NNW	2:04	15.2	-6.0	-0.5	-0.5	-0.5	-0.5	0.5	1.5	4.0	12.2	12.6	97.2	19.1	3.0	
26	22.8	E	9:53	11.0	-14.0	-0.5	-0.5	-0.5	0.0	0.5	1.5	4.0	11.9	12.6	94.3	19.0	4.1	
27	26.4	ESE	20:56	14.0	-8.5	-0.5	-0.5	-0.5	-0.5	0.0	0.5	1.5	4.0	3.6	12.7	28.4	13.4	10.7
28	31.7	NE	21:29	18.5	-6.5	-0.5	-0.5	-0.5	-0.5	0.5	1.5	4.0	2.6	12.8	20.4	12.9	10.9	
29	35.1	N	11:13	15.8	-3.5	-0.5	-0.5	-0.5	-0.5	0.5	1.5	3.5	9.5	12.8	74.0	18.1	6.3	
30	22.6	S	14:05	11.0	-6.0	-0.5	-0.5	-0.5	-0.5	0.5	1.5	4.0	12.3	12.9	95.3	18.9	7.6	
31	39.6	NW	22:17	13.8	-5.5	-0.5	-0.5	-0.5	0.0	0.5	1.5	3.5	6.2	13.0	47.8	15.1	8.4	
Total													213.0	369.5	57.6	420.8	190.6	
Mean					-6.6	-1.2	-1.1	-0.8	-0.5	0.7	1.7	4.0						
Extreme	60.8	NNW	3:23															
Date	8																	

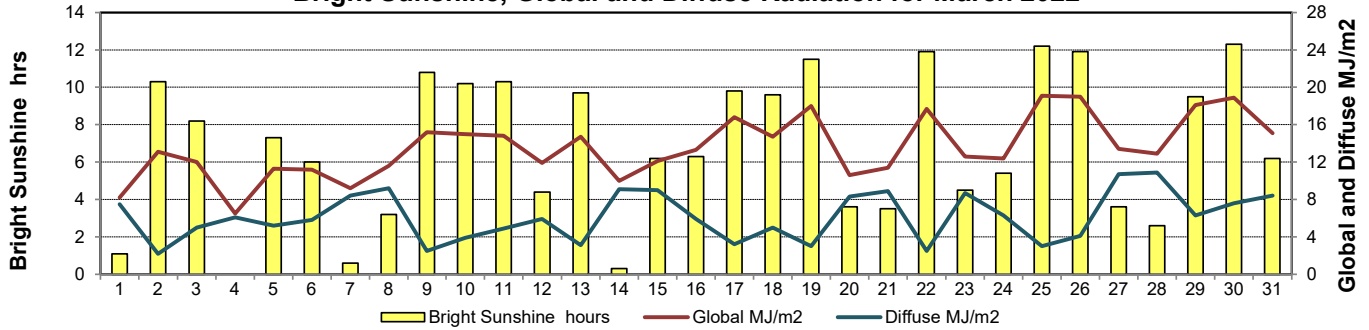
GLOSSARY OF TERMS

Degree-days	Radiation
T _m Mean Temperature	Bright Sunshine is the unobstructed direct radiation from the sun, as opposed to the shading of a location by clouds or by other atmospheric obstructions.
Growing (T _m -5°C); if T _m ≤ 5°C then GDD = 0	
Heating (18°C-T _m); if T _m ≥ 18°C then HDD = 0	Diffuse is radiation reaching the earth's surface after having been scattered from the direct solar beam
Cooling (T _m -18°C); if T _m ≤ 18°C then CDD = 0	Global is the sum of the direct solar and diffuse radiation
T Trace of Precipitation	Relative Humidity The ratio of the air's water vapour content to its water vapour capacity which changes with temperature.
SOG Depth of snow-on-the-ground	
Red Cell no data available	Air Pressure The force exerted by the weight of a column of air above a given point
Red Number manual calculation	Wind Gust The daily highest instantaneous value recorded irrespective of direction and/or duration

Wind Speed for March 2022

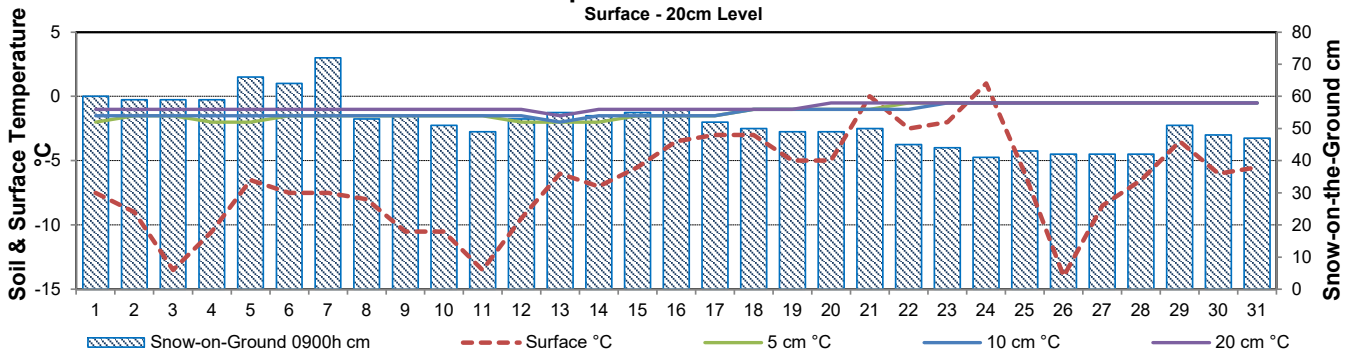


Bright Sunshine, Global and Diffuse Radiation for March 2022



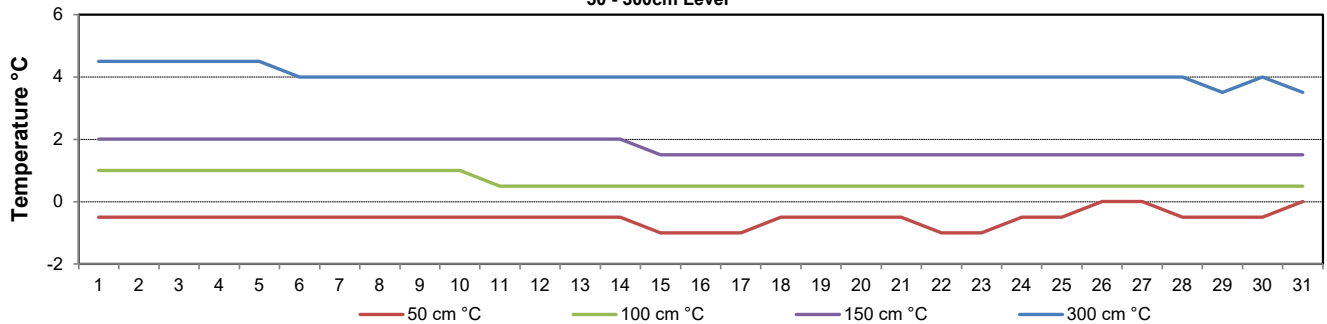
Soil Temperatures for March 2022

Surface - 20cm Level



Soil Temperatures for March 2022

50 - 300cm Level





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Saskatchewan 53.03°N 105.77°W 451m asl Estab. 2011

Preliminary

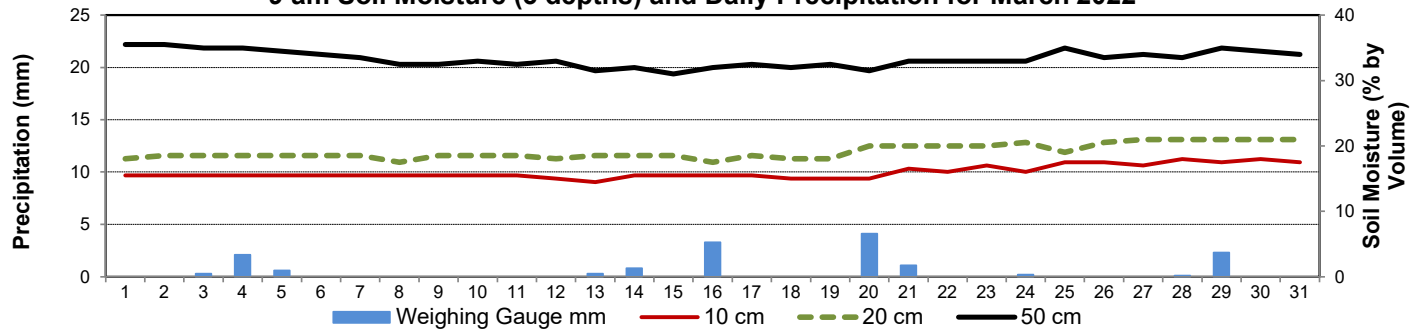
March 2022

Day	2 meter Wind Speed			Soil Moisture at 0900 hrs (rounded to the 0.5%)														
	Daily Average	Max ½ hr Avg	½ hr Extreme Max	10 cm	20 cm	50 cm												
	km/h	km/h	km/h	% by volume (soil type is Clay Loam)														
1	4.0	13.4	20.2	15.5	18.0	35.5												
2	6.0	16.6	26.4	15.5	18.5	35.5												
3	3.0	8.7	10.8	15.5	18.5	35.0												
4	14.0	19.0	26.0	15.5	18.5	35.0												
5	8.0	11.7	15.4	15.5	18.5	34.5												
6	7.0	12.8	16.6	15.5	18.5	34.0												
7	20.0	35.9	48.5	15.5	18.5	33.5												
8	22.0	36.3	48.7	15.5	17.5	32.5												
9	13.0	20.4	25.4	15.5	18.5	32.5												
10	20.0	35.0	45.0	15.5	18.5	33.0												
11	11.0	17.4	23.3	15.5	18.5	32.5												
12	14.0	24.2	32.9	15.0	18.0	33.0												
13	8.0	14.4	18.1	14.5	18.5	31.5												
14	10.0	15.8	20.6	15.5	18.5	32.0												
15	7.0	13.0	17.6	15.5	18.5	31.0												
16	11.0	26.8	34.4	15.5	17.5	32.0												
17	8.0	15.5	21.6	15.5	18.5	32.5												
18	6.0	10.4	14.5	15.0	18.0	32.0												
19	5.0	7.7	10.8	15.0	18.0	32.5												
20	10.0	17.3	23.3	15.0	20.0	31.5												
21	12.0	31.5	43.9	16.5	20.0	33.0												
22	8.0	13.7	21.0	16.0	20.0	33.0												
23	11.0	19.0	26.2	17.0	20.0	33.0												
24	21.0	35.6	45.4	16.0	20.5	33.0												
25	12.0	25.5	37.5	17.5	19.0	35.0												
26	9.0	14.1	20.2	17.5	20.5	33.5												
27	11.0	17.4	22.7	17.0	21.0	34.0												
28	15.0	20.1	26.2	18.0	21.0	33.5												
29	12.0	21.8	29.5	17.5	21.0	35.0												
30	9.0	16.8	20.6	18.0	21.0	34.5												
31	11.0	2.0	29.0	17.5	21.0	34.0												
Total																		
Mean				16	19	33.3												
Extreme	22.0	36.3	48.7	18	21	35.5												

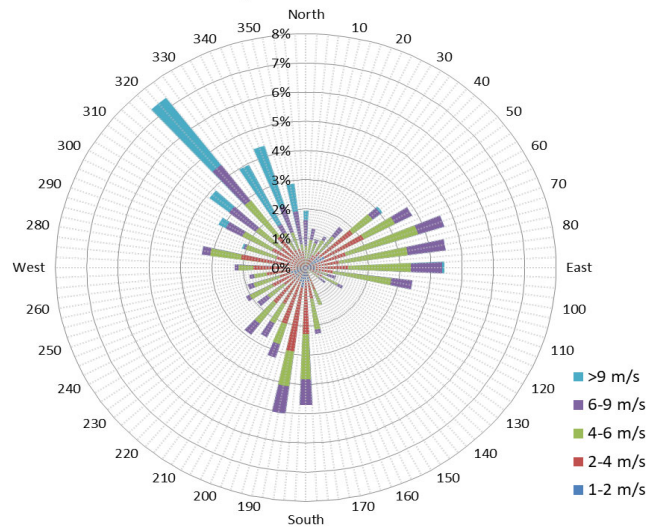
SRC proudly recognizes the following CRS supporters:



9 am Soil Moisture (3 depths) and Daily Precipitation for March 2022



1/2 hr Maximum Wind Speed and Direction CLC March 2022



10 minute Average Wind Speed and Direction CLC March 2022

