

Saskatchewan Research Council Monthly Weather Summary

latitude 52°09'N Longitude 106°36'W asl 497 m Saskatoon



CRS estab. 1963

May 2005		Preliminary	2005 VALUE	2004 VALUE	NORMAL OR EXTREME FOR CRS 1971-2000	EXTREME FOR SASKATOON STATIONS
TEMPERATURE	Average monthly maximum (°C)		17.4	15.6	18.6	
	Extreme monthly maximum (°C/date)		25.6/16	26.6/18	35.0/1988/30	37.2/1936/27 ^{SE}
	Average monthly minimum (°C)		4.2	2.4	4.7	
	Extreme monthly minimum (°C/date)		-7.0/02	-7.4/10	-10.0/1967/02	-12.8/1907/06 ^{SE}
	Monthly average (°C)		10.8	9.0	11.6	
	No. of Frost-free days (Temp. > 0°C)		24	20	25.6	
DEGREE-DAYS	Monthly growing (5°C base)		189.9	134.8	211.6	
	Yearly total-to-date growing		272.1	192.6	275.3	
	Monthly heating (18°C base)		223.7	278.9	204.4	
	Yearly total-to-date heating		3142.6	3245.3	3320.6	
	Monthly cooling (18°C base)		0.0	0.0	7.4	
	Yearly total-to-date cooling		0.0	0.0	7.7	
PRECIPITATION	Monthly total (mm)		29.4	27.8	44.3	178.0/1977 ^{SWT}
	Yearly total-to-date (mm)		91.6	81.5	115.6	
	Greatest daily (mm/date)		11.8/18	5.2/05	39.9/1985/04	59.0/1999/18 ^{SA}
	Measurable precipitation days (≥ 0.2mm)		11	14	9.8	
WIND	Average monthly speed (km/h)		18.1	16.5	18.0	
	Peak gust (speed/direction/date)		70.0 ^{SW} 19	62.7 ^S 28		132.0 ^{SW} 1965/17 ^{SA}
RADIATION	Monthly bright sunshine (hours)		257.6	224.8	267.1	
	% possible bright sunshine		52.8	46.0	54.7	
	% normal bright sunshine		96.4	84.2		
	Bright Sunshine days		30	28	29.5	
	Monthly global radiation (MJ/m²)		585.5	577.6	586.3	
	Monthly diffuse radiation (MJ/m²)		199.6	226.7	222.2	
SOIL	Average grass level		19.2	13.4		
	temperature (°C)	10 cm/20 cm	8.0/8.7	4.9/6.1	10.6/10.9	
	@ 9:00am	50 cm/100cm	7.1/5.9	5.2/2.7	8.9/5.9	
		150 cm/300cm	4.8/3.4	2.3/1.7	4.4/3.1	

Saskatoon Stations
SE= Eby (pioneer) 1901-41
SA= S'toon Airport 1942-
SWT= S'toon Water
Treatment Plant 1974-

Normals
Global and diffuse
radiation = 1961-1990
Soil Temperatures =
1961-1990
Wind Normal and Extreme
are from Saskatoon Airport

For Your Information

May's temperatures were slightly below normal with only eight days experiencing temperatures over 20°C. A daily minimum record of -6.0°C, recorded on the 14th, ended the frost season and, hopefully, the growing season has officially begun. This is potentially four days early than the normal date of May 18th. The earliest frost-free date for CRS is May 2, 1977 while the latest date is June 15, 1969. Rainfall was 66% of normal increasing the yearly deficit to 79% of normal. From the 16th to the 19th, 17.8mm or 60% of the total rain for the month was measured. While the average daily winds were normal, the station recorded 28 hours when the maximum wind gusts were 'Near Gale' force (51-62km/h) and 1 hour of 'Gale' force (63-75km/h) winds. Sixteen days recorded maximum daily winds under 40 km/h.

In 1787, Francis Beaufort went to sea as a 13 year-old cabin boy. Even at this age, he recognized the value of being weather-wise and began keeping a meteorological journal; a practice he continued for his 68 years of service. He was knighted for his many contributions with the two most notable being his standardization of wind descriptions (Beaufort Scale) and weather notation codes which are the foundation of the present world-wide systems used today, 170 years later.¹

¹Heidorn, 1998



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