

MONTHLY CLIMATE DATA

WINNIPEG, MANITOBA

Month: SEPTEMBER Year: 1994

	CURRENT		NORMAL		DEVIATION M NORMAL
	VALUE	DATE	VALUE	DATE	
Mean Maximum	20.9		18.6		2.3
Mean Minimum	7.4		6.1		1.3
Mean	14.2		12.4		1.8
Extreme Maximum and Date	30.1	9	38.8	1983/2	
Extreme Minimum and Date	1.0	28	-8.3	1899/29	
Rainfall (mm)	69.6		50.9		18.7
Snowfall (cm)	0.0		0.4		-0.4
Total Precipitation (mm)	69.6		51.3		18.3
Days With Thunder	6		3		3
Days With Measurable Precipitation	8		11		-3
Sunshine Hours	200.9		189.3		11.6
Wind (km/h)	16.0		18.0		-2.0
Heating Degree Days Below 18 C	123.7		178.6		-54.9
Growing Degree Days Above 5 C	276.0		224.0		52.0
Heating Degree Days Below 0 C	0.0		0.1		-0.1
Cooling Degree Days Above 18 C	9.7		9.2		0.5

Highlights of the Month

Remember last September? It was cool and cloudy with 13 days out of 30 with measurable precipitation, but less than half the normal precipitation. September of 1994 was quite different. The month was warm, sunny and, although precipitation fell on only 8 days, total precipitation was 37% more than normal. The mean temperature of 14.2 was almost 4 degrees warmer than last year, almost 2 degrees warmer than normal, and ranks as the 17th warmest September since 1872. September of 1993 ranked as the 11th coldest. Maximum temperatures were warmer than normal by more than 2 degrees and warmer than last year by more than 5 degrees. The highest temperature during the month was 30.1 degrees, not far from the normal of 29.6 degrees. However, the mercury peaked at 20 degrees or higher on 19 days out of 30, something that normally occurs 13 times during September, and only happened 5 times during September, 1993. The average date for first fall frost (minimum temperature below zero) is September 23rd. However, bedding plants continued to flower and tomatoes continued to ripen as the coldest temperature through the month of September was 1.0 degrees. Most of the rainfall occurred on 4 days during September. Rainfall totals of 15.0, 16.8, 16.0 and 10.6 mm fell on the 3rd, 4th, 11th and 15th respectively. Normally, a one day rainfall totaling 15mm or more occurs once during September. Precipitation of 15mm or more fell on 3 days during September, 1994. With 200.9 hours of bright sunshine, September of 1994 ranks as the 27th sunniest this century.

DEGREE DAYS SUMMARY FOR: WINNIPEG INT'L AIRPORT ON SEPTEMBER 1994

DAY	MEAN TEMP	ABOVE + 24	ABOVE + 18	ABOVE + 5	ABOVE ZERO	BELOW ZERO	BELOW + 18
1	12.1			7.1	12.1		5.9
2	12.5			7.5	12.5		5.5
3	12.5			7.5	12.5		5.5
4	17.9			12.9	17.9		0.1
5	15.2			10.2	15.2		2.8
6	17.3			12.3	17.3		0.7
7	16.0			11.0	16.0		2.0
8	17.4			12.4	17.4		0.6
9	22.4		4.4	17.4	22.4		
10	21.9		3.9	16.9	21.9		
11	12.4			7.4	12.4		5.6
12	10.8			5.8	10.8		7.2
13	14.1			9.1	14.1		3.9
14	16.8			11.8	16.8		1.2
15	16.7			11.7	16.7		1.3
16	15.4			10.4	15.4		2.6
17	18.0			13.0	18.0		
18	17.9			12.9	17.9		0.1
19	19.4		1.4	14.4	19.4		
20	17.3			12.3	17.3		0.7
21	9.3			4.3	9.3		8.7
22	8.7			3.7	8.7		9.3
23	14.5			9.5	14.5		3.5
24	14.5			9.5	14.5		3.5
25	8.9			3.9	8.9		9.1
26	8.7			3.7	8.7		9.3
27	10.5			5.5	10.5		7.5
28	7.7			2.7	7.7		10.3
29	9.8			4.8	9.8		8.2
30	9.4			4.4	9.4		8.6

		ABOVE + 24	ABOVE + 18	ABOVE + 5	ABOVE ZERO	BELOW ZERO	BELOW + 18

TOTAL		0.0	9.7	276.0	426.0	0.0	123.7

DEU POINT SUMMARY
 SUMMAIRE DES TEMPERATURES DE ROSEE

WINNIPEG INT'L AIRPORT

SEPTEMBER 1994
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HOUR->	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN
D	64	66	57	53	49	48	49	65	80	85	79	79	61	51	39	55	52	43	79	66	57	55	58	52	60
A	55	40	59	56	48	39	43	68	75	88	92	90	97	73	59	55	53	59	75	67	67	66	66	65	65
T	70	67	60	50	48	50	53	69	70	78	83	91	85	99	103	106	113	114	118	117	120	123	134	138	90
E	139	146	150	153	157	158	159	162	164	149	151	145	150	150	154	159	165	169	168	160	148	128	113	112	150
	115	113	110	109	105	103	124	128	134	135	134	129	122	123	131	139	118	121	113	113	101	99	83	88	116
	81	78	76	75	82	79	83	86	97	99	105	106	107	116	105	100	94	104	104	109	96	102	95	94	95
	92	89	89	78	84	87	85	104	137	131	100	92	104	98	99	113	116	113	111	105	98	99	101	97	101
	95	99	87	94	96	105	118	116	127	128	141	143	138	137	138	136	136	139	134	132	144	133	121	125	124
	130	132	131	131	130	131	130	135	147	157	177	190	200	199	196	196	191	192	194	194	189	188	185	182	177
	187	185	183	182	179	173	169	169	167	170	164	166	173	148	155	163	180	183	173	173	128	122	136	134	165
	138	138	116	113	110	114	118	121	125	113	108	121	118	128	121	119	119	115	113	99	96	99	94	79	114
	70	78	68	71	53	64	45	90	99	108	108	107	95	103	101	100	106	116	104	109	108	101	96	97	92
	76	77	68	68	63	54	50	71	107	120	129	113	107	115	125	109	118	126	129	128	121	116	113	126	101
	128	127	125	118	120	116	135	143	145	156	162	172	178	183	194	191	192	194	194	189	188	185	182	177	162
	177	175	169	168	165	171	171	172	172	175	176	180	176	176	186	184	166	170	162	130	134	108	107	101	161
	102	96	98	98	92	90	88	97	105	120	117	113	114	103	101	89	90	85	112	99	99	100	99	98	100
	99	97	95	93	90	87	85	94	112	132	136	137	128	111	117	102	99	122	122	110	108	110	108	105	108
	97	96	90	90	97	91	84	104	131	132	143	134	127	130	130	133	134	140	131	123	123	124	123	123	119
	126	125	122	119	111	108	103	109	121	128	125	132	116	113	101	100	118	91	130	140	144	141	140	135	121
	129	125	121	112	106	112	115	114	126	139	153	159	162	152	150	137	135	142	131	134	135	133	137	138	133
	131	133	129	121	121	121	112	108	103	94	101	93	95	94	97	85	75	66	72	79	67	60	53	44	94
	36	30	42	60	63	62	58	60	48	51	52	48	56	33	40	39	49	58	44	47	47	42	39	41	48
	38	39	35	34	34	34	35	40	47	62	71	75	84	86	90	96	104	113	104	91	85	86	85	85	69
	82	80	77	75	79	78	77	86	94	105	107	111	141	128	124	91	77	46	75	57	56	54	54	84	84
	53	50	46	42	35	29	23	29	37	36	18	35	37	26	27	16	29	28	27	22	22	9	5	14	29
	15	13	8	6	5	6	4	13	26	33	49	47	41	40	45	38	30	37	41	40	40	41	40	43	29
	42	45	51	57	56	63	85	85	77	80	81	87	81	73	74	63	68	65	68	69	49	39	37	35	64
	38	21	3	29	27	24	26	35	48	55	61	62	64	68	65	64	59	65	66	46	56	49	50	44	47
	44	50	50	51	50	48	48	61	72	72	72	52	43	43	39	39	56	54	57	50	49	37	45	49	51
	50	47	44	42	47	45	38	38	52	50	59	44	43	45	42	59	50	44	37	32	29	42	46	44	44
MEAN	90	89	85	85	83	83	83	92	102	106	106	109	108	105	105	103	103	104	106	101	97	93	92	91	97

*TEMPERATURES IN TENTHS OF DEGREES CELSIUS
 *TEMPERATURES EN DIXIEME DEGRES CELSIUS

COMPARATIVE RECORDS AT RELIEFS COMPARATIFS A		WINNIPEG INT'L AIRPORT				MONTH MOIS			SEPTEMBER			94
Temperature/Température - ° Celsius Précipitation/Précipitation - Millimètres/millimètres (mm) Pluie/Pluie de neige - Millimètres/millimètres (mm) Hauteur/Hauteur de neige - Centimètres/centimètres (cm) Wind speed/Vitesse du vent - Kilomètres/h / Kilomètres/h (km/h) Station pressure/Pression à la station - Kilopascals (kPa)		THIS MONTH CE MOIS-CI		PREVIOUS YEAR ANNÉE PRÉCÉDENTE		NORMAL NORMALE	RECORD FOR THE MONTH RECORD POUR LE MOIS					
		VALUE RELEVÉ	DAY JOUR	VALUE RELEVÉ	DAY JOUR		HIGHEST EVER MAXIMUM ABSOLU			LOWEST EVER MINIMUM ABSOLU		
							VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE	VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE
HIGHEST TEMPERATURE (MAXIMUM) TEMPÉRATURE MAXIMALE	30.1	9	24.2	3		38.8	2	1983				122
LOWEST TEMPERATURE (MINIMUM) TEMPÉRATURE MINIMALE	1.0	28	-1.7	29					-8.3	29	1899	122
MEAN MONTHLY TEMPERATURE TEMPÉRATURE MENSUELLE MOYENNE	14.2		10.3		12.4	16.8		1948	8.0		1965	122
TOTAL MONTHLY RAINFALL HAUTEUR TOTALE MENSUELLE DE PLUIE	69.6		22.4		50.9	149.6		1941	1.3		1948	122
TOTAL MONTHLY SNOWFALL HAUTEUR TOTALE MENSUELLE DE NEIGE	0.0		0.0		0.4	18.3		1872	0.0		1988	122
TOTAL MONTHLY PRECIPITATION PRÉCIPITATION TOTALE MENSUELLE	69.6		22.4		51.3	156.2		1872	1.3		1948	122
NO OF DAYS WITH MEASURABLE PRECIPITATION NOMBRE DE JOURS AVEC PRÉCIPITATION MESURABLE	8		13		11	17		1953	3		1948	122
GREATEST RAINFALL IN ONE DAY HAUTEUR DE PLUIE MAXIMALE EN UNE JOURNÉE	16.8	4	5.0	8		81.5	6	1972				122
GREATEST SNOWFALL IN ONE DAY HAUTEUR DE NEIGE MAXIMALE EN UNE JOURNÉE	0.0	0	0.0	0		18.3	25	1872				122
GREATEST PRECIPITATION IN ONE DAY PRÉCIPITATION MAXIMALE EN UNE JOURNÉE	16.8	4	5.0	8		81.5	6	1886				122
MAXIMUM RAINFALL RECORDED BY: HAUTEUR DE PLUIE MAXIMALE ENREGISTRÉE EN:												
5 MINUTES	3.0	11	0.8	8		11.2	20	1970				41
10 MINUTES	5.7	11	1.4	8		20.8	20	1970				41
15 MINUTES	9.4	11	1.6	8		29.0	20	1970				41
30 MINUTES	11.3	11	3.2	8		37.9	20	1970				41
60 MINUTES	15.0	11	4.4	8		41.1	20	1970				41
24 CONSECUTIVE HOURS HEURES CONSÉCUTIVES	28.3	4	5.0	8		81.5	6	1886				122
MEAN WIND SPEED (km/h) VITESSE MOYENNE DU VENT (km/h)	15.9		17.7		18.0	24.6		1943	12.7		1986	73
MAXIMUM SPEED (2 min. mean) (km/h) VITESSE MAXIMALE (moyenne sur 2 min.) (km/h)	SSE 52	4	NW 46	9		N 72	23	1942				55
MAXIMUM GUST SPEED (km/h) POINTE DU VENT MAXIMALE (km/h)	NNW 72	27	S 67	30		S105	16	1946				47
TOTAL HOURS OF BURNISHINE TOTAL DES HEURES INSOLATION	200.9		182.4		189.3	251.9		1940	113.0		1912	112
MEAN STATION PRESSURE (kPa) PRESSION MOYENNE À LA STATION (kPa)	98.66		98.46		98.55	98.87		1940	98.20		1992	55
GREATEST STATION PRESSURE (kPa) PRESSION MAXIMALE À LA STATION (kPa)	99.90	1	99.79	29		101.11	25	1940				55
LEAST STATION PRESSURE (kPa) PRESSION MINIMALE À LA STATION (kPa)	97.40	15	96.55	12					95.64	26	1959	55

CLIMATOLOGICAL DATA THIS MONTH FOR THE PAST DONNÉES CLIMATOLOGIQUES CE MOIS-CI POUR LES													YEARS DERNIÈRE ANNÉES	
YEAR ANNÉE	MAXIMUM TEMP MAXIMALE	MINIMUM TEMP MINIMALE	MEAN TEMP TEMP MOYENNE	RAINFALL HAUTEUR DE PLUIE	SNOWFALL HAUTEUR DE NEIGE	TOTAL PRECP TOTALE	MEAN WIND SPEED VITESSE MOYENNE DES VENTS	MAXIMUM WIND SPEED VITESSE MAXIMALE DES VENTS	SUNSHINE HEURES INSOLATION	HEATING DEGRÉS-JOURS DE CHAUFFÉ	GROWING DEGRÉS-JOURS DE CROISSANCE	COOLING DEGRÉS-JOURS DE RÉFRIGÉRATION	SNOWFALL SEPT. 1	
1985	24.0	-3.3	10.0	28.5	TR	28.5	16.0	S 46	158.6	240.5	155.4	0.0	0.0	
1986	24.0	-2.7	11.7	47.5	0.0	47.5	12.7	ESE 48	151.7	188.8	201.6	0.0	0.0	
1987	29.3	-1.4	14.1	20.0	0.0	20.0	12.8	SSE 37	192.7	123.1	272.3	5.4	0.0	
1988	27.7	0.1	12.6	61.3	0.0	61.3	17.5	N 46	200.4	165.1	227.6	2.7	0.0	
1989	31.8	-4.5	13.6	10.0	0.0	10.0	15.9	NNW 48	240.8	143.9	259.2	12.7	0.0	
1990	32.7	-2.5	13.9	31.5	0.0	31.5	16.9	NW 54	213.8	137.5	266.8	14.3	0.0	
1991	29.7	-3.5	12.0	89.4	TR	89.4	23.9	NW 63	183.7	188.7	212.1	9.1	0.0	
1992	25.3	-3.4	11.0	57.8	0.0	57.8	19.4	NNW 52	172.7	211.2	183.8	1.9	0.0	
1993	24.2	-1.7	11.0	22.4	0.0	22.4	17.7	NW 46	182.4	229.8	161.8	0.0	0.0	
1994	30.1	1.0	14.2	69.6	0.0	69.6	15.9	SSE 52	200.9	123.7	274.5	9.7	0.0	

1. Climatological Day/Jour de climatologique
 2. Normal/Normale 1961-1990
 3. Extremes for period of record/Extrêmes pour la période de registre
 4. Maximum rainfall recorded in: may overlap calendar days/hauteur de pluie maximale enregistrée en: peut-être pour plus d'une journée du calendrier
 5. ** Indicates most recent occurrence/Indique le plus récent
 6. * Indicates first of more than one occurrence/Indique le premier de plusieurs