



SRC CLIMATE REFERENCE STATION DAILY DATA REPORT

CONSERVATION LEARNING CENTRE

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

Preliminary **September 2026**

Day	Temperature (HMP155A)						Degree-days			Precipitation			Relative Humidity (HMP115A)		Station Pressure <i>corrected to sea level</i>	
	Max	Avg Max	Min	Avg Min	Mean	Avg Mean	Growing	Heating	Cooling	Geonor all-season ppt Gauge	Tipping Bucket	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	mm	cm	%	%	mbar	mbar
1	22.3	21.8	5.6	8.9	14.0	15.3	9.0	4.0	0.0	0.0	0.2	0	99	44	1013	1009
2	22.4	20.7	5.6	8.6	14.0	14.4	9.0	4.0	0.0	0.0	0.0	0	99	53	1012	1008
3	21.4	20.0	9.9	8.6	15.7	14.2	10.7	2.3	0.0	0.8	1.2	0	97	65	1008	1005
4	22.1	18.3	8.6	6.8	15.4	12.5	10.4	2.6	0.0	0.0	0.4	0	97	45	1013	1008
5	20.4	20.6	3.1	6.9	11.8	13.6	6.8	6.2	0.0	0.5	1.0	0	97	61	1020	1012
6	11.9	19.8	2.6	6.2	7.3	12.5	2.3	10.7	0.0	0.3	0.4	0	97	82	1021	1017
7	9.0	20.5	1.9	6.5	5.5	13.0	0.5	12.5	0.0	46.2	41.2	0	97	96	1018	1003
8	14.5	19.4	1.2	6.0	7.9	12.6	2.9	10.1	0.0	16.2	15.2	0	97	52	1013	1002
9	20.4	19.1	-2.7	6.9	8.9	13.2	3.9	9.1	0.0	0.0	0.0	0	97	43	1013	1006
10	14.3	19.0	1.5	6.0	7.9	12.3	2.9	10.1	0.0	0.5	0.8	0	90	61	1006	1001
11	10.7	18.6	-1.3	5.6	4.7	12.4	0.0	13.3	0.0	1.4	1.6	0	90	60	1013	1003
12	9.0	19.3	-5.1	4.9	2.0	11.3	0.0	16.0	0.0	0.0	0.0	0	93	52	1018	1013
13	12.2	17.3	-8.8	4.1	1.7	10.5	0.0	16.3	0.0	0.0	0.2	0	97	38	1018	1011
14	10.4	17.7	-4.8	3.7	2.8	11.0	0.0	15.2	0.0	1.6	1.6	0	97	69	1011	1003
15	9.6	17.3	-4.3	4.8	2.7	10.8	0.0	15.3	0.0	0.0	0.0	0	95	47	1020	1009
16	11.3	17.2	-7.1	4.5	2.1	10.8	0.0	15.9	0.0	0.5	0.6	0	97	52	1021	1020
17	17.4	16.5	-5.6	3.8	5.9	10.5	0.9	12.1	0.0	0.0	0.2	0	97	33	1021	1016
18	19.9	18.5	-3.4	4.1	8.3	11.2	3.3	9.7	0.0	0.0	0.0	0	97	36	1020	1015
19	16.2	18.0	-3.4	4.7	6.4	11.6	1.4	11.6	0.0	0.0	0.0	0	97	38	1024	1020
20	18.4	18.3	-2.5	4.0	8.0	10.7	3.0	10.0	0.0	0.0	0.0	0	95	35	1022	1018
21	18.5	17.4	-0.7	3.0	8.9	10.1	3.9	9.1	0.0	0.0	0.0	0	96	46	1018	1014
22	19.8	18.5	1.6	3.2	10.7	10.6	5.7	7.3	0.0	0.0	0.0	0	87	46	1014	1009
23	20.7	17.1	0.9	4.4	10.8	10.6	5.8	7.2	0.0	0.0	0.0	0	95	49	1013	1011
24	18.3	17.6	0.2	4.9	9.3	11.5	4.3	8.7	0.0	0.0	0.0	0	97	49	1017	1011
25	24.7	18.9	0.1	5.6	12.4	12.0	7.4	5.6	0.0	0.0	0.0	0	97	24	1016	1003
26	13.6	18.3	-1.9	3.9	5.9	10.8	0.9	12.1	0.0	0.1	0.0	0	87	45	1011	1001
27	12.1	16.5	-5.9	2.7	3.1	9.3	0.0	14.9	0.0	0.0	0.0	0	84	29	1016	1011
28	15.2	15.8	-7.1	1.5	4.1	8.5	0.0	13.9	0.0	0.0	0.0	0	88	32	1013	1003
29	15.7	17.1	-4.9	3.0	5.4	10.1	0.4	12.6	0.0	0.1	0.0	0	87	32	1003	994
30	11.2	16.1	-5.7	3.6	2.8	9.3	0.0	15.2	0.0	0.0	0.0	0	74	30	1013	1001
Total							95.4	313.6	0.0	68.2	64.6		Extreme / Date	Extreme / Date	Extreme / Date	Extreme / Date
Avg	16.1	18.4	-1.1	5.1	7.5	11.6	Monthly 2012 - 2021 Average			28.3	2012-2021 Average					
Extreme	24.7	33.8	-8.8	-7.3			202.6	196.3	3.5	517.5	2025 Cumulative ppt		99	24	1024	994
Date	25	08/2011	13	30/2018						323.6	Cumulative Average		1	25	19	29

Note: Red numbers indicate manual calculation; Red cell indicate data not available

Precipitation is measured precipitation. It has not been corrected for wind speed.

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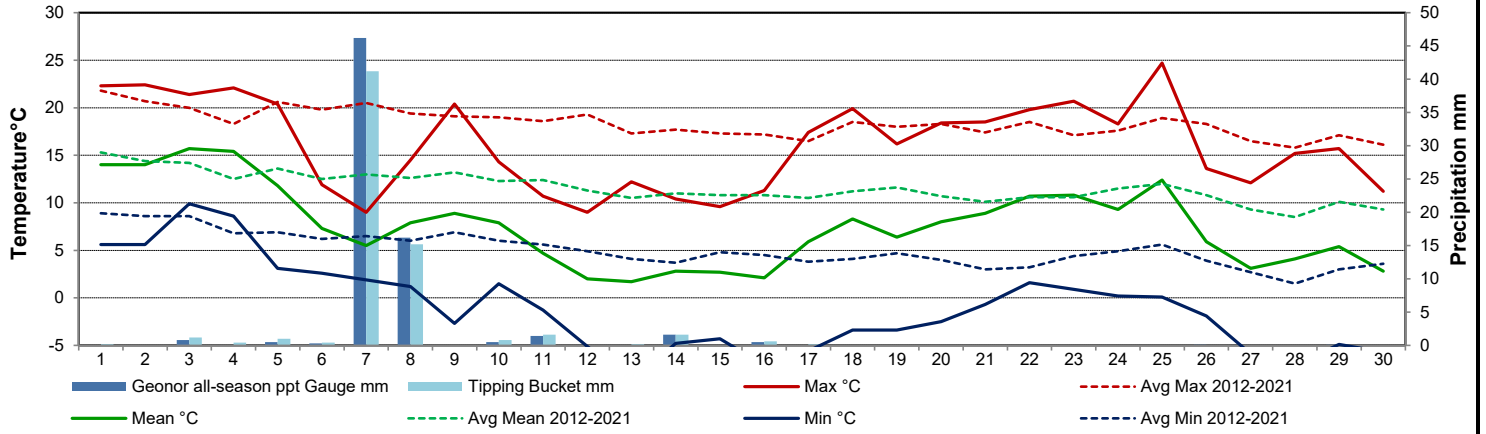


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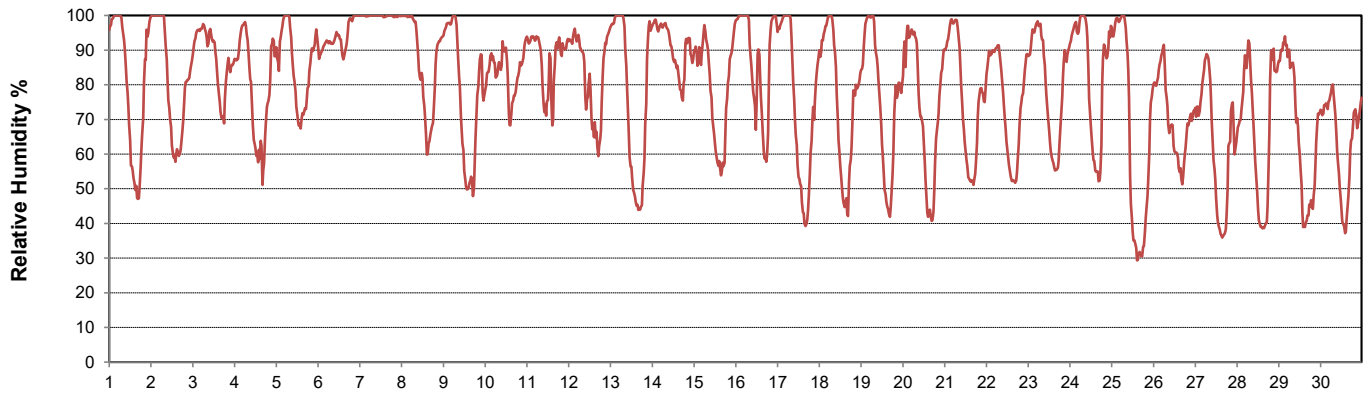
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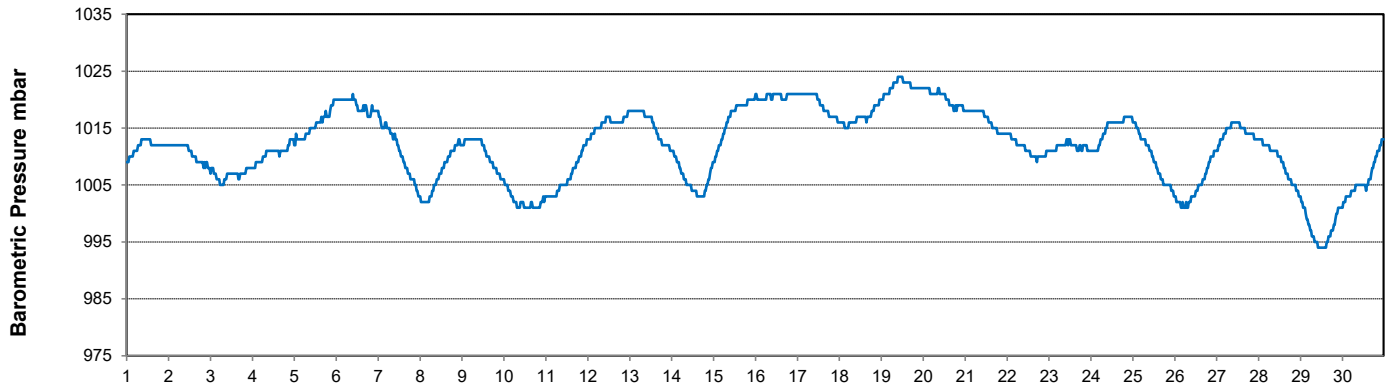
Temperature and Precipitation for September 2026



Relative Humidity for September 2026



Barometric Pressure Corrected to Sea Level for September 2026





SRC CLIMATE REFERENCE STATION DAILY DATA REPORT

CONSERVATION LEARNING CENTRE

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

Preliminary

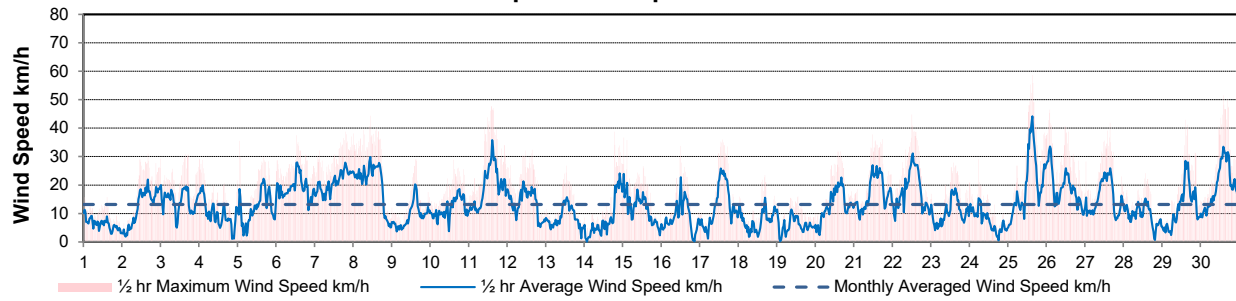
September 2026

Day	Wind Gust (10 meter)			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	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	15.8	WSW	14:47	6.4	14.5	13.5	15.0	15.0	16.0	14.5	12.5	7.5	13.0	13.6	95.4	18.6	2.8
2	31.0	SE	16:17	12.5	15.5	14.0	16.0	16.0	16.0	14.5	12.5	8.0	12.4	13.6	91.5	17.8	5.2
3	30.9	ESE	15:44	14.3	16.0	16.0	17.5	16.5	16.0	14.5	12.5	8.0	4.9	13.5	36.4	10.9	5.8
4	29.2	SSE	0:05	10.0	18.0	15.5	17.0	16.5	16.0	14.0	12.5	8.0	7.5	13.4	55.9	12.4	7.8
5	35.5	W	1:08	11.7	17.0	16.0	18.0	17.0	16.0	14.5	12.5	8.0	10.5	13.4	78.7	16.3	4.6
6	37.5	NE	12:54	19.3	12.5	16.0	18.0	17.0	16.5	14.5	12.5	8.0	0.0	13.3	0.0	3.9	3.6
7	38.8	NE	19:11	21.2	12.0	14.0	15.5	15.5	16.0	14.0	12.5	7.5	0.0	13.2	0.0	1.5	1.4
8	44.3	NNW	10:48	20.4	11.0	11.0	12.5	13.0	15.5	13.5	12.0	6.5	7.1	13.2	54.0	12.5	6.2
9	29.2	SW	15:03	9.1	12.0	11.0	13.5	14.0	15.0	14.0	12.5	8.0	11.3	13.1	86.4	16.5	3.4
10	28.9	W	14:55	11.8	14.0	14.0	16.0	15.0	15.0	14.0	13.0	8.5	1.0	13.0	7.7	5.9	4.8
11	47.7	NW	14:27	19.2	12.5	11.5	14.0	14.0	14.5	14.0	12.5	8.0	3.9	12.9	30.1	9.6	5.9
12	32.4	NW	15:41	13.6	7.5	10.0	12.5	13.0	14.5	13.5	12.5	8.0	7.3	12.9	56.7	12.7	6.0
13	26.8	WSW	13:28	8.5	5.5	7.5	10.5	12.0	14.0	13.5	12.5	8.5	12.3	12.8	96.1	17.3	2.5
14	38.8	N	19:00	8.3	9.0	10.0	12.0	12.0	13.5	13.5	12.5	8.5	0.0	12.7	0.0	3.7	3.4
15	36.7	NNW	0:48	11.5	8.5	9.5	12.0	12.0	13.0	13.5	12.5	8.5	6.7	12.7	52.9	10.9	6.6
16	33.7	NW	12:22	8.6	7.5	8.0	10.5	11.5	13.0	13.0	12.5	8.5	8.7	12.6	69.0	11.9	4.4
17	36.0	S	14:15	12.6	9.5	7.5	10.0	11.0	12.5	13.0	12.5	8.5	11.8	12.5	94.2	16.0	2.2
18	23.5	NNW	17:00	7.5	10.5	9.0	11.5	11.5	12.5	13.0	12.5	8.5	11.5	12.5	92.3	15.1	2.3
19	16.0	ESE	13:09	5.8	9.5	9.5	12.0	12.0	12.5	12.5	12.0	8.5	11.9	12.4	96.0	15.4	1.7
20	31.8	S	15:55	12.9	10.5	9.5	12.0	12.0	12.5	12.5	12.0	8.5	10.8	12.3	87.7	13.5	3.7
21	37.8	S	11:53	17.2	12.0	10.5	12.5	12.5	12.5	12.5	12.0	8.5	11.7	12.3	95.5	14.9	2.1
22	44.8	S	12:23	17.8	13.0	11.5	13.0	13.0	13.0	12.5	12.0	8.5	11.5	12.2	94.4	14.7	1.9
23	27.9	SSE	14:25	10.4	13.0	12.0	13.5	13.5	13.0	12.5	12.0	9.0	11.3	12.1	93.2	13.7	2.2
24	29.1	WNW	5:36	7.5	14.0	13.5	14.5	14.0	13.0	12.5	12.0	9.0	8.7	12.1	72.2	12.3	2.9
25	58.6	SSW	15:06	20.3	13.0	13.0	14.0	14.0	13.5	12.5	12.0	9.0	11.0	12.0	91.8	13.5	2.3
26	46.5	S	2:04	19.0	13.5	14.0	15.0	14.5	13.5	12.5	11.5	9.0	9.7	11.9	81.4	13.2	3.2
27	41.8	W	15:53	15.7	6.5	10.5	12.5	13.5	13.5	12.5	11.5	9.0	11.3	11.8	95.4	14.0	1.6
28	24.2	S	13:48	9.3	7.0	8.5	11.0	12.5	13.5	12.5	11.5	9.0	10.7	11.8	90.9	13.3	1.6
29	42.9	NW	14:32	12.0	8.5	9.5	11.0	12.0	13.0	12.5	11.5	9.0	6.6	11.7	56.4	10.5	2.6
30	51.5	W	14:22	19.6	6.5	8.0	10.0	11.5	12.5	12.5	11.5	9.0	7.7	11.6	66.2	11.3	2.9
Total													252.8	378.9	66.7	373.8	107.6
Mean				13.1	11.3	11.5	13.4	13.6	14.1	13.3	12.2	8.4					
Extreme	58.6	SSW	15:06														
Date	25				Extreme low "surface temp" on Sept 6 was +0.8C @06:00												

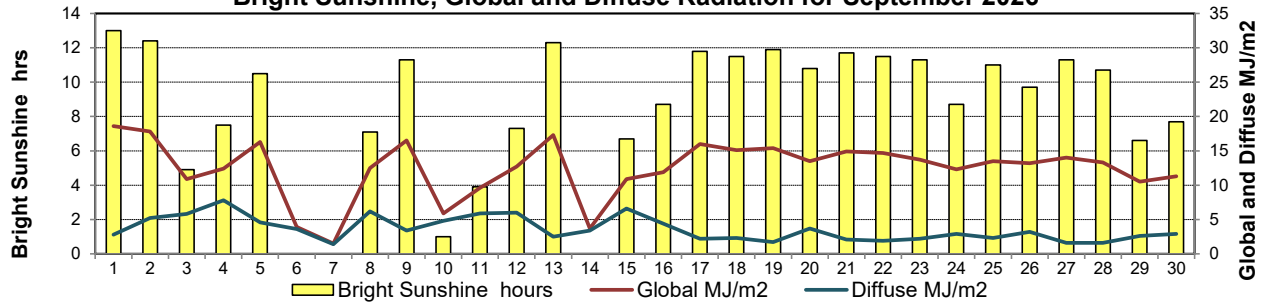
GLOSSARY OF TERMS

Degree-days		Radiation	
Tm	Mean Temperature	Bright Sunshir is the unobstructed direct radiation from the sun, as opposed to the shading of a location by clouds or by other atmospheric obstructions.	
Growing (Tm-5°C); if Tm ≤ 5°C then GDD = 0			
Heating (18°C-Tm); if Tm ≥ 18°C then HDD = 0			
Cooling (Tm-18°C); if Tm ≤ 18°C then CDD = 0			
T	Trace of Precipitation	Diffuse is radiation reaching the earth's surface after having been scatte4red from the direct solar beam	
SOG	Depth of snow-on-the-ground	Global is the sum of the direct solar and diffuse radiation	
Red Cell	no data available	Relative Humidity	The ratio of the air's water vapour content of its water vapour capacity which changes with temperature.
Red Number	manual calculation	Air Pressure	The force exerted by the weight of a column of air above a given point
		Wind Gust	The daily highest instantaneous value recorded irrespective of direction and/or duration

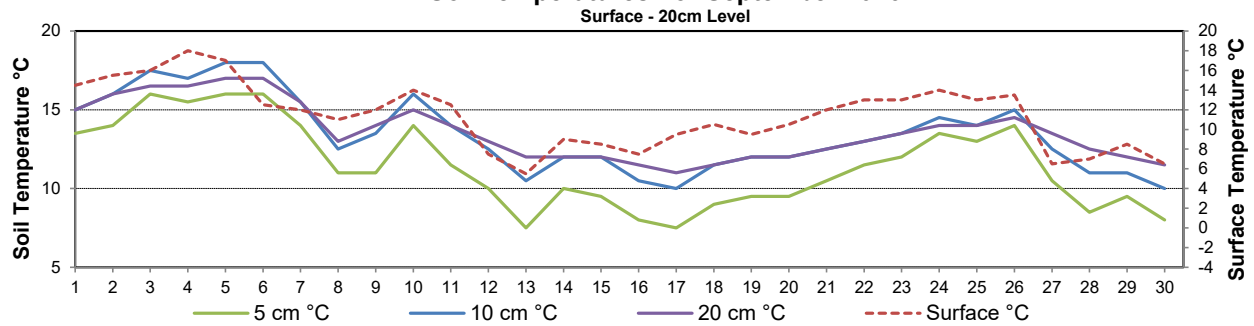
Wind Speed for September 2026



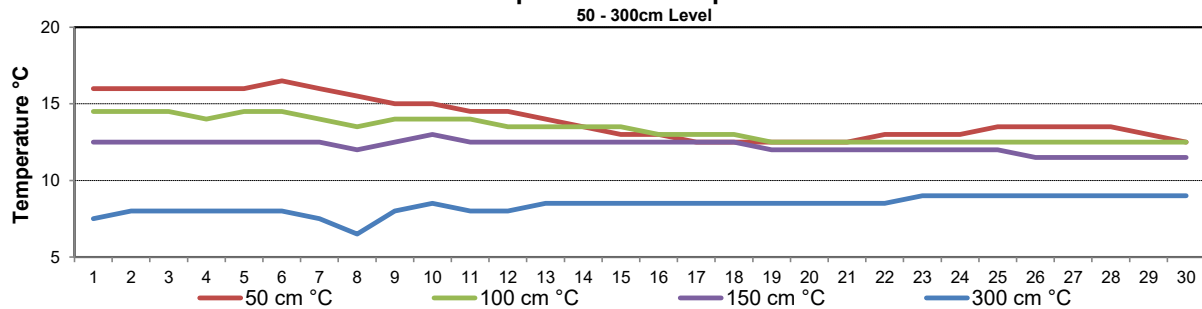
Bright Sunshine, Global and Diffuse Radiation for September 2026



Soil Temperatures for September 2026



Soil Temperatures for September 2026





SRC CLIMATE REFERENCE STATION DAILY DATA REPORT

CONSERVATION LEARNING CENTRE

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

September 2026

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	8.4	15.8	4.0	37.0	48.0										
2	8.0	15.2	24.5	3.5	36.5	46.5										
3	10.0	14.4	23.1	3.5	36.5	47.0										
4	7.0	14.0	21.0	3.5	36.0	46.0										
5	8.0	16.6	27.3	3.5	36.0	46.5										
6	14.0	18.9	26.6	3.5	36.0	46.0										
7	15.0	18.6	28.3	3.0	35.5	46.0										
8	15.0	22.3	32.7	4.0	40.5	48.5										
9	5.0	16.7	24.5	4.0	37.5	47.0										
10	9.0	14.3	21.8	3.5	37.0	47.5										
11	15.0	27.0	37.7	3.5	36.5	46.5										
12	10.0	16.5	27.2	3.5	36.0	46.0										
13	5.0	13.1	21.2	3.5	36.0	46.0										
14	4.0	17.6	27.7	3.5	35.5	46.0										
15	8.0	17.3	28.3	3.5	35.5	45.5										
16	5.0	17.7	28.3	3.5	35.5	46.0										
17	7.0	20.5	28.3	3.5	35.5	45.0										
18	3.0	11.9	17.9	3.0	35.0	45.5										
19	2.0	9.1	14.5	3.0	35.0	45.5										
20	8.0	17.3	26.0	3.0	35.5	44.5										
21	12.0	21.2	30.8	3.0	35.0	45.0										
22	12.0	23.7	35.6	3.0	34.5	45.0										
23	5.0	13.9	21.6	2.5	35.0	45.0										
24	4.0	11.7	22.0	2.5	34.0	44.0										
25	14.0	32.7	46.0	2.5	34.5	44.5										
26	15.0	24.6	33.5	2.5	34.0	44.5										
27	11.0	20.4	31.8	2.5	34.0	44.5										
28	6.0	12.6	20.6	2.0	33.5	45.0										
29	8.0	21.9	37.3	2.0	33.5	44.5										
30	15.0	25.8	39.1	2.0	33.0	44.5										
31																
Total																
Mean				3	36	45.7										
Extreme	15.0	32.7	46.0	4	40.5	48.5										
Date	15	14	14	16	14	14										

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9 am Soil Moisture (3 depths) and Daily Precipitation for September 2026

