

S105 REPLACEMENT

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March 1979

Hyslop Field Laboratory Microstation Climate Survey



(Special Report 516
August 1978)



∟ Agricultural Experiment Station ,
Oregon State University, Corvallis

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PROBABILITY DATES OF
VARIOUS TEMPERATURE OCCURRENCE

WILLAMETTE VALLEY

Fifty Per Cent Chance Of:

	24°	28°	32°
Albany	January 21	February 20	April 2
Corvallis	January 28	February 27	April 15
Eugene	January 21	March 6	April 8
Forest Grove	February 10	March 29	April 26
Portland	January 15	January 24	February 28
Salem	February 1	March 9	April 19

Twenty Per Cent Chance Of:

	24°	28°	32°
Albany	February 13	March 12	April 17
Corvallis	February 20	March 19	April 30
Eugene	February 13	March 28	April 23
Forest Grove	March 5	April 18	May 11
Portland	February 7	February 13	March 15
Salem	February 24	March 29	May 4

Ten Per Cent Chance Of:

	24°	28°	32°
Albany	February 25	March 21	April 26
Corvallis	March 4	March 28	May 9
Eugene	February 25	April 6	May 2
Forest Grove	March 17	April 27	May 20
Portland	February 19	February 22	March 24
Salem	March 8	April 7	May 13

AVERAGE DAILY RADIATION IN LANGLEYS
Six Year Average
Hyslop Farm, Corvallis, Oregon

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	77	109	183	210	363	557	584	462	383	340	151	71
2	65	128	172	317	505	527	703	525	449	334	186	84
3	124	105	166	379	453	512	691	520	459	302	135	94
4	89	83	164	323	426	587	563	394	452	260	137	75
5	80	75	196	328	326	564	614	509	343	278	161	62
6	88	103	205	303	322	459	513	493	397	272	161	106
7	74	145	257	312	437	538	551	515	416	263	120	82
8	72	149	279	284	380	439	538	534	422	299	94	64
9	95	122	215	240	374	420	476	560	438	222	117	70
10	111	149	167	363	466	460	509	598	362	202	121	95
11	80	161	219	357	473	458	568	552	435	160	138	111
12	96	115	237	326	476	643	655	451	389	201	112	84
13	77	145	244	373	549	581	567	487	377	204	111	60
14	76	122	229	351	537	493	613	501	357	251	115	62
15	66	133	239	391	442	527	661	482	334	261	114	45
16	80	128	281	350	564	602	570	471	385	268	122	46
17	92	107	346	334	489	566	665	493	403	206	74	97
18	109	135	314	276	556	631	657	450	314	230	76	35
19	114	126	265	358	575	616	647	484	344	139	75	41
20	149	173	343	248	422	553	591	460	259	133	80	46
21	143	160	236	323	561	565	627	416	287	116	72	71
22	126	154	209	387	432	599	587	471	299	106	65	58
23	101	156	221	336	549	529	590	463	366	157	40	63
24	128	183	211	299	519	476	588	388	371	176	68	72
25	130	219	257	396	501	616	538	476	356	169	75	105
26	111	226	197	393	477	597	560	463	343	158	71	91
27	126	204	297	374	587	520	527	461	408	127	101	93
28	137	127	283	400	570	511	613	465	280	184	109	52
29	124		338	318	525	555	553	505	327	221	115	68
30	104		342	338	498	623	560	388	356	155	73	52
31	115		310		549		496	342		118		81

HYSLOP FARM, CORVALLIS, OREGON

AVERAGE RELATIVE HUMIDITY

TIME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
4 AM	94	93	91	90	93	92	93	91	86	94	93	94
10 AM	88	83	74	64	56	54	45	46	57	81	84	89
4 PM	84	68	61	50	43	42	33	31	41	57	81	86
10 PM	92	89	86	81	81	80	79	73	74	88	91	92

CROP SEASON MONTHLY EVAPORATION

From Standard Weather Bureau
Open Pan (1953-1972)
(inches)

Year	APR	MAY	JUNE	JULY	AUG	SEPT	OCT
1953	.73	2.64	3.43	6.77	5.48	4.13	1.65
1954	3.01	4.19	3.43	5.06	3.77	2.70	1.34
1955	1.16	4.44	5.04	5.30	6.72	4.25	1.30
1956	2.99	4.52	4.53	7.74	5.72	4.26	1.66
1957	2.71	3.43	4.62	7.05	5.87	5.07	1.55
1958	1.11	5.20	4.51	8.29	8.31	4.80	2.54
1959	2.80	3.27	5.00	9.13	8.11	3.57	1.84
1960	2.37	2.90	7.27	9.89	6.87	4.72	2.30
1961	2.01	2.33	6.97	8.53	7.06	4.55	1.97
1962	3.24	3.26	6.87	8.13	6.74	5.01	1.05
1963	2.61	4.31	5.20	6.52	8.16	4.68	1.63
1964	2.75	4.25	4.75	6.77	6.20	4.56	2.26
1965	2.86	4.96	6.31	8.96	6.35	6.57	2.04
1966	3.99	6.16	7.49	8.31	8.77	4.69	2.62
1967	2.61	5.61	6.69	9.08	8.69	6.49	2.18
1968	*	3.83	6.17	8.35	5.39	3.96	1.61
1969	2.73	5.83	5.36	7.61	8.31	4.34	1.25
1970	3.21	4.87	7.08	9.36	8.19	4.86	2.81
1971	3.33	5.48	4.91	7.82	6.99	5.22	2.28
1972	2.23	5.58	6.00	10.27	8.42	5.40	3.15
MEAN	2.55	4.35	5.58	7.95	7.01	4.69	1.95

* Missing Data

SALEM

FREQUENCY OF DURATION OF CONSECUTIVE HOURS OF WIND
IN RANGES 8 TO 16 MPH AND 17 MPH OR ABOVE

RANGE OF WIND	DURATION IN HOURS																	OVER 20			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		18	19	20
APRIL																					
8 TO 16 MPH	284	120	89	58	40	31	17	16	21	17	6	4	3	3	3	1	1	6	2	1	3
17 MPH OR ABOVE	63	28	9	5	4	1	1	2	3	0	0	0	0	0	1	1	0	0	0	0	0
MAY																					
8 TO 16 MPH	335	151	67	56	33	38	23	22	18	6	9	5	2	2	0	2	1	0	0	0	1
17 MPH OR ABOVE	65	10	9	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JUNE																					
8 TO 16 MPH	342	111	71	57	31	33	28	19	16	11	9	6	3	3	0	0	2	0	0	0	2
17 MPH OR ABOVE	41	5	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JULY																					
8 TO 16 MPH	305	141	97	71	43	35	29	16	12	12	4	10	12	3	0	2	1	2	0	0	1
17 MPH OR ABOVE	59	9	2	3	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
AUGUST																					
8 TO 16 MPH	338	152	90	53	45	32	21	22	18	6	7	2	6	2	3	1	0	0	0	0	1
17 MPH OR ABOVE	61	3	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SEPTEMBER																					
8 TO 16 MPH	278	124	82	55	48	17	20	15	8	9	5	2	2	0	1	2	1	0	0	0	1
17 MPH OR ABOVE	62	18	8	0	3	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCTOBER																					
8 TO 16 MPH	245	118	73	48	35	33	23	15	11	14	5	3	3	3	4	1	0	2	3	0	5
17 MPH OR ABOVE	84	25	8	8	4	3	2	2	0	3	1	0	0	0	1	0	0	0	0	0	0

EUGENE

FREQUENCY OF DURATION OF CONSECUTIVE HOURS OF WIND
IN RANGES 8 TO 16 MPH AND 17 MPH OR ABOVE

RANGE OF WIND	DURATION IN HOURS																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	OVER 20
APRIL																					
8 TO 16 MPH	287	110	92	62	52	38	19	22	14	16	10	6	8	2	3	1	0	0	1	1	2
17 MPH OR ABOVE	97	31	13	10	4	3	3	0	0	2	0	0	1	0	0	0	0	0	0	0	0
MAY																					
8 TO 16 MPH	303	129	94	61	49	28	23	22	11	7	13	10	7	2	1	3	1	1	1	0	2
17 MPH OR ABOVE	94	31	9	6	5	3	3	0	0	0	0	1	0	0	0	0	0	0	0	0	0
JUNE																					
8 TO 16 MPH	264	129	85	64	39	42	32	19	13	10	4	2	6	1	2	1	0	0	0	0	1
17 MPH OR ABOVE	76	19	19	7	3	1	2	1	2	1	0	0	0	0	0	0	0	0	0	0	0
JULY																					
8 TO 16 MPH	275	139	97	70	57	42	28	24	20	11	12	11	11	4	2	2	2	3	1	2	4
17 MPH OR ABOVE	123	28	14	14	8	4	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0
AUGUST																					
8 TO 16 MPH	260	128	72	70	47	41	34	23	18	11	15	9	4	3	3	3	1	0	1	0	1
17 MPH OR ABOVE	75	18	10	7	4	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0
SEPTEMBER																					
8 TO 16 MPH	240	127	86	71	51	33	31	17	13	7	5	2	3	0	2	4	2	1	0	0	1
17 MPH OR ABOVE	85	36	10	9	4	4	5	3	1	0	1	0	0	0	0	0	0	0	0	0	0
OCTOBER																					
8 TO 16 MPH	241	140	62	39	31	30	18	11	8	10	8	3	3	5	5	0	2	2	0	1	2
17 MPH OR ABOVE	68	22	9	8	1	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0

ESSA-WEATHER BUREAU
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Daily normal temperatures for Corvallis, Oregon, Hyslop Farm, extrapolated from normals at Eugene and Salem, Oregon.

January				February				March			
Day	Temperature			Day	Temperature			Day	Temperature		
	Max	Min	Avg		Max	Min	Avg		Max	Min	Avg
1	45	33	39	1	46	32	39	1	52	36	44
2	45	33	39	2	46	32	39	2	52	36	44
3	45	33	39	3	46	32	39	3	52	36	44
4	44	32	38	4	46	32	39	4	53	36	45
5	44	32	38	5	46	33	40	5	53	36	45
6	44	32	38	6	47	33	40	6	53	36	45
7	44	32	38	7	47	33	40	7	53	37	45
8	44	32	38	8	47	33	40	8	53	37	45
9	44	32	38	9	47	33	40	9	53	37	45
10	44	32	38	10	47	33	40	10	53	37	45
11	44	32	38	11	48	33	41	11	53	37	45
12	44	31	38	12	48	33	41	12	54	37	46
13	44	31	38	13	49	34	42	13	54	37	46
14	44	31	38	14	49	34	42	14	54	37	46
15	44	31	38	15	49	34	42	15	54	37	46
16	44	31	38	16	49	34	42	16	54	37	46
17	44	31	38	17	50	34	42	17	54	37	46
18	44	31	38	18	50	34	42	18	55	37	46
19	44	31	38	19	50	34	42	19	55	37	46
20	44	31	38	20	50	35	43	20	55	37	46
21	44	31	38	21	51	35	43	21	55	37	46
22	44	31	38	22	51	35	43	22	55	37	46
23	44	31	38	23	51	35	43	23	55	37	46
24	45	31	38	24	51	35	43	24	55	37	46
25	45	31	38	25	51	35	43	25	55	37	46
26	45	31	38	26	52	35	44	26	56	37	47
27	45	31	38	27	52	35	44	27	56	37	47
28	45	32	39	28	52	36	44	28	56	37	47
29	46	32	39	29	52	36	44	29	56	37	47
30	46	32	39					30	56	37	47
31	46	32	39					31	56	37	47

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Daily normal temperatures for Corvallis, Oregon, Hyslop Farm,
 extrapolated from normals at Eugene and Salem, Oregon.

April				May				June			
Day	Temperature			Day	Temperature			Day	Temperature		
	Max	Min	Avg		Max	Min	Avg		Max	Min	Avg
1	57	38	48	1	65	43	54	1	69	47	58
2	57	38	48	2	65	43	54	2	69	47	58
3	57	38	48	3	65	43	54	3	69	47	58
4	58	38	48	4	65	43	54	4	70	47	59
5	58	38	48	5	65	43	54	5	70	48	59
6	58	39	49	6	66	44	55	6	70	48	59
7	58	39	49	7	66	44	55	7	70	48	59
8	58	39	49	8	66	44	55	8	70	48	59
9	58	39	49	9	66	44	55	9	70	48	59
10	59	39	49	10	66	44	55	10	71	48	60
11	59	40	50	11	66	44	55	11	71	48	60
12	60	40	50	12	66	44	55	12	71	48	60
13	60	40	50	13	67	45	56	13	72	49	61
14	61	40	51	14	67	45	56	14	72	49	61
15	61	40	51	15	67	45	56	15	72	49	61
16	62	40	51	16	67	45	56	16	72	49	61
17	62	41	52	17	67	45	56	17	73	49	61
18	62	41	52	18	67	45	56	18	73	49	61
19	62	41	52	19	67	45	56	19	73	49	61
20	63	41	52	20	68	46	57	20	73	49	61
21	63	41	52	21	68	46	57	21	74	49	62
22	63	41	52	22	68	46	57	22	74	49	62
23	63	42	53	23	68	46	57	23	74	49	62
24	63	42	53	24	68	46	57	24	75	50	63
25	63	42	53	25	68	46	57	25	75	50	63
26	64	42	53	26	68	46	57	26	75	50	63
27	64	42	53	27	69	47	58	27	76	50	63
28	64	43	54	28	69	47	58	28	76	50	63
29	65	43	54	29	69	47	58	29	76	50	63
30	65	43	54	30	69	47	58	30	77	50	64
				31	69	47	58				

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Daily normal temperatures for Corvallis, Oregon, Hyslop Farm,
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July				August				September			
Day	Temperature			Day	Temperature			Day	Temperature		
	Max	Min	Avg		Max	Min	Avg		Max	Min	Avg
1	78	51	65	1	82	52	67	1	79	50	65
2	79	51	65	2	82	52	67	2	79	50	65
3	79	51	65	3	82	52	67	3	79	50	65
4	79	51	65	4	82	52	67	4	³⁰ 79	50	65
5	80	51	66	5	82	52	67	5	78	49	64
6	80	51	66	6	82	52	67	6	³¹² 78	49	64
7	80	51	66	7	82	52	67	7	78	49	64
8	80	51	66	8	82	52	67	8	78	49	64
9	80	51	66	9	82	52	67	9	77	49	63
10	81	51	66	10	82	52	67	10	77	49	63
11	81	51	66	11	81	51	66	11	77	49	63
12	81	51	66	12	81	51	66	12	³⁸⁵ 77	49	63
13	81	51	66	13	81	51	66	13	77	49	63
14	81	51	66	14	81	51	66	14	76	48	62
15	81	51	66	15	81	51	66	15	³⁰⁴ 76	48	62
16	81	51	66	16	81	51	66	16	76	48	62
17	81	51	66	17	80	51	66	17	76	48	62
18	81	52	67	18	80	51	66	18	75	48	62
19	81	52	67	19	80	51	66	19	75	48	62
20	81	52	67	20	³⁰⁸ 80	51	66	20	75	47	61
21	82	52	67	21	80	51	66	21	³⁸⁵ 75	47	61
22	82	52	67	22	80	51	66	22	75	47	61
23	82	52	67	23	80	51	66	23	74	47	61
24	82	52	67	24	79	51	65	24	74	47	61
25	83	52	68	25	79	50	65	25	73	47	60
26	83	52	68	26	79	50	65	26	³⁴⁶ 73	47	60
27	83	52	68	27	79	50	65	27	72	46	59
28	83	52	68	28	³⁸² 79	50	65	28	³⁶ 72	46	59
29	83	52	68	29	79	50	65	29	72	46	59
30	83	52	68	30	79	50	65	30	71	46	59
31	83	52	68	31	79	50	65				

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Daily normal temperatures for Corvallis, Oregon, Hyslop Farm, extrapolated from normals at Eugene and Salem, Oregon.

October				November				December			
Day	Temperature			Day	Temperature			Day	Temperature		
	Max	Min	Avg		Max	Min	Avg		Max	Min	Avg
1	71	45	58	1	57	39	48	1	49	36	43
2	71	45	58	2	56	39	48	2	49	36	43
3	70	45	58	3	56	39	48	3	49	36	43
4	70	45	58	4	56	38	47	4	49	36	43
5	69	45	57	5	56	38	47	5	49	36	43
6	68	45	57	6	55	38	47	6	48	36	42
7	68	45	57	7	55	38	47	7	48	36	42
8	68	45	57	8	54	38	46	8	48	36	42
9	67	44	56	9	54	38	46	9	48	36	42
10	67	44	56	10	54	38	46	10	48	36	42
11	66	44	55	11	54	38	46	11	47	35	41
12	66	44	55	12	53	38	46	12	47	35	41
13	65	44	55	13	53	37	45	13	47	35	41
14	65	43	54	14	53	37	45	14	47	35	41
15	65	43	54	15	53	37	45	15	47	35	41
16	64	43	54	16	52	37	45	16	47	35	41
17	64	43	54	17	52	37	45	17	47	35	41
18	63	43	53	18	52	37	45	18	47	35	41
19	63	43	53	19	51	37	44	19	46	35	41
20	62	42	52	20	51	37	44	20	46	35	41
21	62	42	52	21	51	37	44	21	46	35	41
22	62	42	52	22	51	37	44	22	46	35	41
23	60	42	51	23	50	36	43	23	46	35	41
24	60	42	51	24	50	36	43	24	46	34	40
25	60	41	51	25	50	36	43	25	46	34	40
26	60	41	51	26	50	36	43	26	45	34	40
27	59	41	50	27	50	36	43	27	45	34	40
28	59	41	50	28	50	36	43	28	45	34	40
29	58	40	49	29	49	36	43	29	45	34	40
30	57	40	49	30	49	36	43	30	45	33	39
31	57	40	49	31	49	36	43	31	45	33	39

EXTREME VALUES SINCE 1889

Extreme Data For
Corvallis, Oregon
January

<u>Date</u>	<u>Max.</u>	<u>Year</u>	<u>Min.</u>	<u>Year</u>	<u>Precip.</u>	<u>Year</u>
1	59	1940	3	1924	1.15	1933
2	57	1953	8	1924	1.58	1933
3	58	1902	18	1974	3.43	1907
4	60	1914	16	1924	2.38	1966
5	64	1914	10	1924	1.65	1914
6	60	1914	13	1924	2.55	1923
7	60	45, 14, 62	11	1937	2.00	1942
8	60	1962	9	1974	1.36	1953
9	56	33, 45, 53	6	1909	1.38	1959
10	57	1953	9	1974	1.53	1950
11	59	1928	0	1909	2.03	1972
12	57	1945	1	1909	2.55	1936
13	56	1970	12	09, 30	2.60	1974
14	58	1974	13	1930	1.13	1915
15	57	61, 74	7	1907	2.74	1974
16	60	1958	17	1907	1.95	1974
17	61	1975	15	1916	3.40	1911
18	60	19, 75	11	1950	2.25	1911
19	60	75, 76	8	1916	1.38	1953
20	61	1968	12	1949	2.00	1964
21	61	1968	4	1930	2.71	1972
22	62	1931	11	1927	1.95	1974
23	59	05, 19, 31, 70	11	1962	1.51	1970
24	61	31, 35	11	02, 43	1.14	1941
25	61	1935	12	02, 30, 49	1.73	1970
26	61	1924	15	1957	1.30	1975
27	64	1931	7	1957	1.69	1959
28	64	1931	11	1957	4.28	1965
29	59	20, 40	12	1957	1.28	1958
30	64	40, 71	12	1957	.75	1958
31	60	40, 60	-1	1950	1.29	1958

EXTREME VALUES SINCE 1889

Extreme Data For
Corvallis, Oregon
February

<u>Date</u>	<u>Max.</u>	<u>Year</u>	<u>Min.</u>	<u>Year</u>	<u>Precip.</u>	<u>Year</u>
1	66	1940	11	1899	1.23	1947
2	59	60, 62, 63	3	1950	1.25	1925
3	62	1917	-2	1899	1.78	1942
4	61	1928	-5	1899	1.96	1926
5	61	52, 30	-2	1899	1.00	1908
6	61	1963	-2	1899	1.98	1943
7	63	1947	21	1929	1.27	1945
8	62	1952	17	1929	1.34	1922
9	63	51, 63	11	1933	2.56	1919
10	64	1963	17	29, 33	2.76	1961
11	64	1963	18	05, 29	1.11	1961
12	62	31, 71	15	1954	1.38	1954
13	61	31, 47, 71	18	1905	1.23	1954
14	62	1951	21	1905	2.00	1904
15	66	1902	21	1936	1.68	1904
16	68	1902	17	1956	1.93	1970
17	67	1916	20	1956	2.13	1949
18	64	16, 43	23	1936	1.26	1949
19	65	1916	21	1955	1.57	1968
20	62	1916	24	1955	1.41	1921
21	63	1973	23	1955	2.17	1956
22	63	02, 32, 50	25	20, 42	1.17	1949
23	63	16, 47	24	20, 47	.78	1909
24	69	1905	22	1920	1.29	14, 26
25	67	1968	21	1962	1.47	1902
26	68	1932	17	1962	1.17	1919
27	68	32, 68	18	1962	1.28	1971
28	68	01, 68	25	71	1.00	1940
29	68	1968	26	1960	.77	1904

EXTREME VALUES SINCE 1889

Extreme Data For
Corvallis, Oregon
March

<u>Date</u>	<u>Max.</u>	<u>Year</u>	<u>Min.</u>	<u>Year</u>	<u>Precip.</u>	<u>Year</u>
1	72	1905	12	1971	1.00	1977
2	73	1905	18	1971	1.46	1972
3	68	26, 28	20	1923	1.62	1916
4	65	28, 43	21	1923	1.52	1902
5	65	1965	23	1955	.70	1960
6	66	1965	14	1956	1.32	1916
7	73	1905	23	1956	.76	1957
8	76	1905	26	1974	1.10	1951
9	77	1905	27	1974	1.67	1966
10	72	1941	27	1956	1.26	1907
11	72	1934	24	1903	.97	1961
12	72	1934	24	1906	1.38	1946
13	71	1934	22	1906	.82	1961
14	78	1926	25	17, 23	.90	1912
15	78	1947	22	1926	1.74	1908
16	77	1947	25	06, 17	1.38	1921
17	78	1947	22	1906	1.00	1945
18	77	1947	26	1917	1.67	1938
19	73	1914	28	1965	.80	1973
20	76	1915	28	1954	.95	1904
21	75	1915	29	12, 44	.96	1905
22	75	15, 39	29	1952	1.10	1938
23	73	1915	28	1924	1.05	1907
24	69	1953	29	16, 42	.77	1932
25	71	1930	24	1913	1.28	16, 62
26	73	41, 69	28	1919	1.89	1916
27	77	1941	27	1922	1.35	1940
28	74	1969	30	44, 49, 61	1.61	1974
29	77	1923	28	25, 72	1.86	1963
30	78	1923	25	1936	1.90	1963
31	77	1911	28	20, 70	1.76	1943

EXTREME VALUES SINCE 1889

Extreme Data For
Corvallis, Oregon
April

<u>Date</u>	<u>Max.</u>	<u>Year</u>	<u>Min.</u>	<u>Year</u>	<u>Precip.</u>	<u>Year</u>
1	77	1911	30	1936	1.13	1934
2	78	1944	28	06, 70	.46	1974
3	76	1951	24	1918	.66	1954
4	80	1949	26	1918	.85	1901
5	82	1930	28	1956	.92	1941
6	80	1906	27	1975	.88	1902
7	78	1939	28	1921	.77	1907
8	75	28, 38	28	1919	.92	1972
9	79	1904	30	22, 27, 29	1.83	1971
10	80	1904	29	1927	1.10	1914
11	86	1904	29	1927	.72	1971
12	85	1904	28	1903	.68	1972
13	84	43, 47	24	1968	2.06	1937
14	84	43, 47	27	11, 19	1.14	1929
15	85	1926	29	55, 67	.69	1937
16	80	1947	29	1960	.59	38, 63
17	83	1939	28	1964	1.06	1908
18	83	1939	29	1902	.65	1925
19	82	1965	28	27, 68	.82	1965
20	88	1906	29	1927	.50	1960
21	82	1934	29	1968	.53	1923
22	80	1905	30	22, 72	.52	1915
23	87	1910	30	04, 22	.47	1975
24	86	1910	29	1942	.43	1936
25	83	1926	30	1908	.47	1906
26	88	1947	31	05, 43	.47	1937
27	88	1926	30	1955	1.37	1962
28	91	1926	28	1913	.48	1951
29	88	1926	27	1954	.42	10, 55
30	85	1957	29	1912	.60	1940

EXTREME VALUES SINCE 1889

Extreme Data For
Corvallis, Oregon
May

<u>Date</u>	<u>Max.</u>	<u>Year</u>	<u>Min.</u>	<u>Year</u>	<u>Precip.</u>	<u>Year</u>
1	85	1947	28	1915	1.03	1949
2	86	1946	29	1964	.51	1941
3	84	1944	31	1964	1.10	1975
4	82	1944	32	1952	2.23	1941
5	85	1931	28	1909	1.15	1941
6	84	1953	30	1909	1.58	1963
7	90	1905	31	1970	1.12	1963
8	88	1906	30	1922	.68	1916
9	84	1940	32	08, 26	.59	1957
10	89	1931	31	1920	.90	1937
11	88	31, 71	31	1916	.43	1905
12	91	1949	33	1977	.53	1945
13	95	1939	33	58, 64	.90	1902
14	91	1939	33	1920	.69	06, 36
15	82	25, 70, 73	35	1974	.69	1901
16	86	1922	34	1917	.70	1972
17	88	1956	34	1976	.98	1972
18	92	1956	33	09, 76	.94	1957
19	88	1963	32	1927	.70	1969
20	92	1963	31	1975	.46	1968
21	92	1963	33	09, 55	.77	1939
22	90	1938	31	1920	.64	1939
23	92	1947	36	09, 35	.66	1968
24	91	1938	33	11, 26	.33	1953
25	91	1928	31	1920	.67	1968
26	88	02, 36, 38	31	1922	1.64	1971
27	85	1972	33	21, 54, 66	.26	1953
28	88	1972	35	14, 76	.22	1958
29	90	1931	34	11, 76	.68	1932
30	93	1931	30	1920	.53	1943
31	99	1922	30	1919	.93	1956

EXTREME VALUES SINCE 1889

Extreme Data for
Corvallis, Oregon
June

<u>Date</u>	<u>Max.</u>	<u>Year</u>	<u>Min.</u>	<u>Year</u>	<u>Precip.</u>	<u>Year</u>
1	95	1970	32	1929	.44	1947
2	93	1970	39	1976	.38	1947
3	94	1950	35	1976	.51	1930
4	90	35, 69	33	1950	.58	1977
5	96	1935	38	09, 53	.60	1959
6	96	1935	34	1918	.54	1953
7	98	1903	37	1961	.65	1914
8	91	1948	37	1919	1.68	1927
9	95	1955	39	1938	.63	1954
10	94	1955	38	1946	.34	1915
11	96	1940	38	1956	.94	1910
12	94	1940	35	1917	.70	1912
13	91	1916	33	1976	.43	1931
14	90	1961	39	71, 73	.55	1936
15	98	1966	37	1952	1.03	1906
16	98	1966	35	1955	.44	1903
17	97	61, 69	35	1911	1.32	1931
18	97	61, 69	36	1911	.45	1937
19	91	45, 46, 67	38	1914	1.06	1937
20	98	1902	35	1911	.69	1910
21	92	1973	38	1914	.68	1943
22	92	26, 58	39	08, 19	.80	1913
23	96	1926	37	1920	.76	1969
24	102	1925	32	1911	.31	1941
25	101	1925	38	1901	1.02	1971
26	95	1907	40	1974	.48	1911
27	91	18, 37	37	1965	.52	1969
28	95	1957	38	19, 71	.52	1955
29	100	1924	38	1919	2.14	1952
30	100	1942	40	19, 27, 56, 61	.50	1916

EXTREME VALUES SINCE 1889

Extreme Data for
Corvallis, Oregon
July

<u>Date</u>	<u>Max.</u>	<u>Year</u>	<u>Min.</u>	<u>Year</u>	<u>Precip.</u>	<u>Year</u>
1	101	1942	40	1919	.69	1902
2	104	1942	38	1910	.47	1902
3	99	1922	36	18, 21	.50	1913
4	95	1967	39	1926	.23	1976
5	94	26, 72	40	1919	.34	1961
6	97	1960	40	1902	.81	1909
7	100	1960	40	1955	.41	1923
8	102	1905	39	11, 26	.57	1946
9	100	1926	39	60, 64	.87	1974
10	100	1926	41	1924	.19	1954
11	102	1961	43	21, 43	.12	1936
12	103	1961	42	19, 21	.06	1925
13	106	1935	38	1904	.41	1920
14	103	17, 41	40	1968	.29	1904
15	102	1941	41	1968	.49	04, 26
16	104	1941	43	1952	1.08	1916
17	99	1914	41	1955	.43	1974
18	98	08, 59, 72	40	09, 10	.17	1974
19	104	1931	42	1926	.16	1950
20	107	1946	42	22, 24, 26	.20	1968
21	104	1938	41	1922	.26	1934
22	101	1939	41	1922	.02	1965
23	102	1928	42	1910	.08	1919
24	102	1928	43	01, 12, 53, 73	.15	1912
25	101	1928	42	01, 66	.02	1909
26	104	1939	42	1922	.42	1947
27	97	1939	42	26, 57	.47	1947
28	103	1958	42	1970	1.75	1947
29	98	1960	41	1956	.32	1975
30	102	1907	44	45, 69	.07	1947
31	101	59, 65	41	1956	.08	1937

EXTREME VALUES SINCE 1889

Extreme Data for
Corvallis, Oregon
August

<u>Date</u>	<u>Max.</u>	<u>Year</u>	<u>Min.</u>	<u>Year</u>	<u>Precip.</u>	<u>Year</u>
1	101	1965	43	10, 26, 37, 69	.07	1964
2	101	1939	43	26, 55	.28	1956
3	98	1939	43	1950	.46	1947
4	100	01, 52	42	1903	.42	1933
5	99	1932	41	1909	.35	1943
6	103	1972	41	1909	.23	1976
7	105	1972	41	1926	.28	1907
8	100	25, 39	41	1909	.21	1907
9	102	1960	41	1912	.33	1932
10	99	1967	42	1903	.09	1932
11	101	1971	41	08, 59	.55	1922
12	103	1977	43	10, 18	.43	1965
13	104	1977	42	27, 55	.06	1913
14	102	1942	40	1955	.25	1976
15	99	1942	42	1955	.45	1912
16	100	19, 27	41	1909	.67	1912
17	100	40, 77	42	1914	.57	1976
18	98	1940	40	1913	.70	1926
19	99	1951	39	1973	.47	1968
20	98	1951	41	22, 52	.28	1968
21	99	1950	41	1973	.32	1943
22	99	1942	37	1973	.55	1925
23	97	1917	41	1973	.41	1968
24	96	1918	35	1910	1.35	1968
25	99	1918	41	21, 25	1.29	1968
26	99	1935	39	1957	.83	1953
27	99	1935	40	1925	.62	1941
28	100	1931	39	1957	.54	1975
29	98	44, 67	39	1924	.95	1943
30	99	1918	39	1907	.25	1912
31	96	1918	37	1914	.69	1939

EXTREME VALUES SINCE 1889

Extreme Data for
Corvallis, Oregon
September

<u>Date</u>	<u>Max.</u>	<u>Year</u>	<u>Min.</u>	<u>Year</u>	<u>Precip.</u>	<u>Year</u>
1	95	1905	41	01, 14, 21, 73	1.89	1941
2	99	1934	37	1936	.59	1971
3	97	1935	38	13, 69	.32	1913
4	93	18, 35	41	1954	1.22	1911
5	103	1944	40	1954	.54	1938
6	98	1955	40	14, 20	.46	27, 76
7	97	1958	37	1910	.59	1912
8	98	44, 58	39	1927	.71	1917
9	97	44, 48	38	13, 64	.65	1949
10	101	1944	36	1952	.62	1930
11	96	1922	36	1952	1.15	1941
12	94	1922	34	1921	1.57	1906
13	95	1951	33	1921	.95	1920
14	98	1937	38	1921	1.28	1935
15	98	1967	34	1970	1.38	1946
16	98	1967	35	1921	.72	1955
17	92	18, 51, 62	33	1911	.60	1914
18	92	18, 62	35	1911	2.18	1969
19	94	1974	34	06, 11	1.00	1941
20	95	1974	37	24, 58, 60	.54	1970
21	95	47, 52, 74	37	55, 64	1.52	1944
22	95	47, 52	31	1904	.54	1972
23	95	43, 52	35	58, 61	.76	1920
24	97	1974	35	1909	1.25	1924
25	97	1974	27	1909	.34	01, 05
26	92	1949	30	1909	.86	1911
27	94	1967	32	1972	1.29	1957
28	92	1967	32	1902	.77	1955
29	87	1932	34	1961	.62	1925
30	89	1975	32	1903	.60	1909

EXTREME VALUES SINCE 1889

Extreme Data for
Corvallis, Oregon
October

<u>Date</u>	<u>Max.</u>	<u>Year</u>	<u>Min.</u>	<u>Year</u>	<u>Precip.</u>	<u>Year</u>
1	89	1970	33	03, 21, 50	1.14	1951
2	86	1952	30	1954	.78	1914
3	90	1932	31	1916	1.81	1967
4	87	1932	26	1916	.92	1939
5	85	1952	33	1974	.97	1950
6	86	1952	30	13, 37	.81	1905
7	87	1952	29	1970	1.20	1913
8	87	1976	31	16, 61	.99	62, 69
9	90	1936	31	1912	1.77	1955
10	89	34, 36	31	1924	1.56	1953
11	90	1936	31	1915	.85	1948
12	82	1901	34	1912	1.28	1968
13	79	1937	30	1966	.96	1908
14	80	1961	30	25, 66	1.08	1908
15	80	29, 52, 61	29	1933	1.56	1947
16	82	1936	31	25, 46	1.24	1918
17	83	1936	31	49, 64	.80	1947
18	80	36, 40	27	1949	1.09	1947
19	83	1940	29	1905	1.55	1909
20	76	1938	27	1949	1.76	1946
21	79	1937	24	1933	1.39	1934
22	79	29, 37	29	1928	1.24	1931
23	83	1929	29	1916	1.84	1951
24	77	1929	28	1945	1.71	1940
25	74	1904	31	16, 54, 71	.67	1931
26	75	1944	27	1954	1.11	1921
27	70	1944	27	1954	1.20	1950
28	72	31, 37, 44	25	1971	1.32	1950
29	70	1931	25	1971	2.26	1924
30	70	1917	26	1971	1.20	1924
31	73	1949	29	26, 27	.75	1901

EXTREME VALUES SINCE 1889

Extreme Data For
Corvallis, Oregon
November*

<u>Date</u>	<u>Max.</u>	<u>Year</u>	<u>Min.</u>	<u>Year</u>	<u>Precip.</u>	<u>Year</u>
1	72	1954	21	1935	1.50	1924
2	70	1970	22	1936	1.88	1909
3	72	27, 75	15	1935	1.48	1944
4	69	01, 08, 75	19	1935	1.47	1906
5	66	08, 49	22	1957	2.00	1910
6	67	1939	23	1957	1.98	1903
7	70	1958	26	1957	2.36	1906
8	66	1941	26	36, 77	1.88	1964
9	68	1907	26	1959	2.37	1912
10	67	1930	25	1920	1.48	1928
11	70	1907	24	16, 20	1.21	1960
12	68	06, 74	23	36, 55	1.70	1965
13	66	49, 54	21	1916	2.76	1941
14	64	06, 49	16	1955	1.55	1942
15	66	1919	14	1955	1.86	1941
16	67	1919	16	1955	2.22	1973
17	68	1976	19	1955	1.91	1954
18	64	19, 32	24	1955	1.70	1946
19	68	1966	25	29, 77	1.78	55, 58
20	68	1966	22	61, 77	3.16	1921
21	68	1917	25	1922	1.18	1973
22	64	1933	23	1938	2.37	1961
23	65	1909	20	1952	1.80	1923
24	67	1936	20	1952	2.38	1907
25	67	1947	21	1952	2.00	1977
26	63	1947	18	1952	2.56	1962
27	60	1949	15	1952	1.72	1945
28	60	40, 47	20	1936	1.21	1914
29	63	1928	20	1952	2.21	1926
30	68	1907	23	56, 69, 76	1.36	1902

* November 1973 was the wettest November on record with 18.28 inches. Thus November 1973 is the absolute wettest month.

EXTREME VALUES SINCE 1889

Extreme Data For
Corvallis, Oregon
December*

<u>Date</u>	<u>Max.</u>	<u>Year</u>	<u>Min.</u>	<u>Year</u>	<u>Precip.</u>	<u>Year</u>
1	65	1939	20	1956	1.65	1975
2	62	1958	22	1956	3.58	1941
3	63	1958	25	1906	1.24	1915
4	63	1939	24	06, 72	2.00	1975
5	59	1954	22	1972	2.05	1968
6	58	06, 44	20	1972	2.78	1933
7	63	1938	12	1972	1.47	1973
8	62	1915	-7	1972	1.43	1901
9	59	1915	-6	1972	1.68	1922
10	60	1942	1	1972	2.16	1968
11	65	1974	-4	1972	1.44	1929
12	62	1921	-14	1919	2.37	1969
13	61	1960	-14.5	1919	1.77	1917
14	60	1969	-10	1919	2.09	1929
15	58	1974	-5	1919	1.02	1939
16	59	1974	10	1919	1.98	1941
17	58	06, 17	10	1964	1.82	1941
18	58	11, 31, 41	5	1924	2.42	1929
19	61	1915	6	1924	1.42	1941
20		1972	13	1924	1.84	1957
21	59	1964	13	1914	2.18	1964
22	61	55, 64	5	1924	1.96	1964
23	66	1950	-3	1924	1.69	1932
24	61	1950	-2	1924	1.16	1965
25	58	1967	-8	1924	1.90	1907
26	60	1917	-5	1924	1.63	1917
27	60	1917	8	1924	2.16	1937
28	63	1917	24	1930	2.02	1965
29	66	1917	24	16, 25, 30	2.52	1937
30	63	1917	11	1968	1.20	1917
31	61	1958	10	1968	1.89	1970

* December 1976 was driest December of record with a total of 1.47.

Weekly Mean Soil Temperatures
15 Year Average (1961 to 1968 and 1970 to 1978)

For Woodburn Silty Clay Loam Soil

Month, Week	2 inch		4 inch		8 inch		20 inch		40 inch		
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	
Jan.	1	41.0	36.6	39.7	37.2	38.9	37.4	41.7	40.7	48.6	48.3
	2	40.9	36.6	40.4	38.0	39.5	37.9	41.6	40.7	48.3	48.0
	3	44.5	40.3	42.9	40.1	41.5	39.6	41.5	40.5	47.5	47.3
	4	42.0	37.3	41.0	35.7	39.9	38.6	41.5	40.9	47.0	46.9
	5*	44.2	37.2	41.3	38.0	39.8	37.6	42.7	39.4	46.7	46.4
Feb.	1	44.3	38.3	42.3	38.9	41.0	39.3	41.7	40.9	47.0	46.8
	2	47.0	39.2	44.5	40.4	42.5	40.4	42.0	40.9	47.1	46.9
	3	48.5	40.2	44.8	41.3	43.9	41.9	42.9	42.1	47.4	47.1
	4	48.1	39.4	45.8	40.8	43.4	40.7	43.1	42.4	47.5	47.4
Mar.	1	48.1	39.4	45.9	40.4	43.4	40.8	43.9	42.6	47.5	47.4
	2	50.6	40.2	47.2	41.3	44.7	41.8	44.7	42.8	47.5	47.5
	3	53.8	41.6	49.4	42.3	46.7	43.7	45.0	43.8	47.9	47.7
	4	54.4	39.8	50.1	43.6	47.2	44.2	46.1	44.8	48.4	48.2
	5*	56.4	45.2	50.9	44.2	48.2	44.9	47.0	46.0	48.9	48.6
Apr.	1	58.3	43.4	54.7	45.3	51.2	46.2	46.7	46.3	49.7	49.2
	2	59.3	44.7	55.0	46.0	50.8	46.6	48.1	47.4	50.4	50.2
	3	59.9	45.1	56.1	46.2	51.1	47.8	48.9	48.2	51.4	50.7
	4	63.5	46.7	57.7	48.4	54.1	49.5	49.3	48.9	51.6	51.3
	5*	61.2	45.8	58.0	47.3	52.5	48.7	48.5	47.9	51.7	51.5
May	1	65.5	48.5	60.6	50.6	56.9	51.8	51.6	50.8	52.5	52.2
	2	69.5	51.2	63.8	53.0	59.4	54.5	54.2	52.9	53.6	53.3
	3	71.6	52.4	66.2	54.8	61.4	55.8	55.5	55.0	54.9	54.5
	4	74.3	53.8	68.7	55.9	63.3	58.0	57.4	56.6	56.0	55.8
	5*	78.5	50.8	72.8	59.3	65.5	60.7	58.2	57.6	56.9	56.8
Jun.	1	75.6	55.9	70.0	58.9	65.6	60.5	59.7	58.7	58.2	57.9
	2	79.9	59.1	73.9	60.8	68.6	62.7	61.0	60.0	59.6	59.3
	3	80.8	60.4	75.4	62.6	70.0	64.5	62.7	61.4	60.7	60.4
	4	82.0	60.4	76.1	63.3	70.8	65.1	64.1	63.1	62.0	61.7
	5*	83.2	62.1	77.9	63.4	71.9	66.7	65.7	65.7	62.8	62.7
Jul.	1	83.4	61.6	77.3	55.2	72.1	66.2	65.2	64.7	63.2	62.9
	2	85.9	63.4	80.0	66.2	74.4	68.3	65.9	65.0	64.1	63.9
	3	88.5	65.1	81.9	67.9	76.2	70.2	68.1	67.3	65.1	64.8
	4	89.7	67.1	83.3	68.9	77.1	71.3	68.4	67.2	66.1	65.9
	5*	88.8	64.7	82.7	68.5	77.0	70.9	67.6	67.2	65.7	65.6
Aug.	1	90.3	66.6	83.2	70.1	76.7	71.6	70.5	69.4	67.3	67.1
	2	88.7	66.2	81.9	69.4	76.8	71.5	69.7	69.4	68.1	67.9
	3	86.6	65.0	80.3	68.0	75.5	70.4	70.0	69.2	68.5	68.3
	4	83.3	63.4	77.0	66.5	73.6	68.8	69.5	68.8	68.7	68.5
	5*	81.6	60.5	76.9	65.1	72.2	52.5	69.3	68.7	68.8	68.5

Weekly Mean Soil Temperatures

15 Year Average (1961 to 1968 and 1970 to 1978)

For Woodburn Silty Clay Loam Soil

Month, Week	2 inch		4 inch		8 inch		20 inch		40 inch		
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	
Sept.	1	81.3	61.1	76.5	64.4	71.3	66.7	68.0	67.3	68.2	68.0
	2	73.3	58.5	73.1	61.9	68.8	64.4	66.5	66.0	68.1	67.9
	3	74.8	57.4	70.6	59.8	66.8	63.1	65.3	64.7	67.4	67.3
	4	73.7	56.4	68.8	54.5	69.5	61.3	64.0	63.3	66.8	66.6
	5*	69.8	54.0	65.5	55.9	61.9	58.5	60.0	59.7	66.0	66.0
Oct.	1	69.2	53.5	65.5	55.6	64.7	58.6	62.0	61.5	65.7	65.4
	2	63.4	51.0	60.9	54.5	58.4	55.3	60.0	59.3	63.7	63.5
	3	61.1	48.3	57.8	51.0	55.6	51.9	57.6	56.9	63.0	62.6
	4	56.1	48.9	54.0	49.7	52.6	47.5	55.4	54.9	61.4	61.2
	5*	55.5	46.5	53.9	48.8	50.5	50.0	54.9	54.4	60.8	60.6
Nov.	1	53.1	44.5	51.1	47.0	49.9	47.8	52.8	52.3	59.6	59.2
	2	51.1	44.2	49.3	45.3	48.8	46.6	50.8	50.3	58.0	57.6
	3	48.1	42.1	47.4	44.4	46.6	44.9	49.6	49.1	56.8	56.5
	4	46.6	40.8	45.4	42.4	44.8	43.0	48.4	48.0	55.3	54.5
	5*	46.9	42.4	45.9	43.5	45.4	43.9	49.6	49.0	54.4	54.1
Dec.	1	45.0	40.5	46.0	41.7	43.0	41.5	46.5	45.5	53.2	52.9
	2	42.6	38.4	45.1	40.4	44.7	40.3	45.2	44.5	52.2	52.0
	3	43.2	39.3	42.1	39.9	41.6	40.2	43.4	42.7	50.8	50.6
	4	43.2	38.9	42.3	40.4	41.5	40.3	43.3	42.6	50.5	50.3
	5*	42.2	38.6	40.0	38.0	38.9	37.7	39.1	39.0	50.9	50.8

* Average of only three to eight years data.