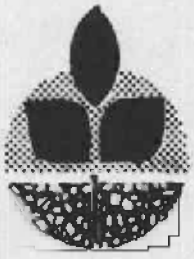
Local Climatological data for Oregon State University 1980

With Normals, Means, and Extremes

Special Report 618
May 1981



Agricultural Experiment Station
Oregon State University, Corvallis

PREFACE

Climatological observations for Oregon State University or the Corvallis, Oregon, area have been made at several locations on the campus (formerly Oregon State College) or at the Hyslop Agronomy Farm. There have been several publications of these data. Miscellaneous Paper 105, Agricultural Experiment Station, Oregon State University, "A Summary of Climate and Weather for Corvallis, Oregon, 1899 Through 1960" by Wheeler Calhoun, was published in March 1961. Jointly, the National Weather Service (or former Weather Bureau) and the Agricultural Experiment Station published Special Report 193 in May 1955, Special Report 277 in June 1969 and revisions of Special Report 277 each year beginning in 1970.

In September 1979, the National Weather Service closed its office at Oregon State University. Climatological observations are being continued by the Crop Science Department at the Hyslop Field Laboratory. Annual publications by the Crop Science Department and the Agricultural Experiment Station are planned.

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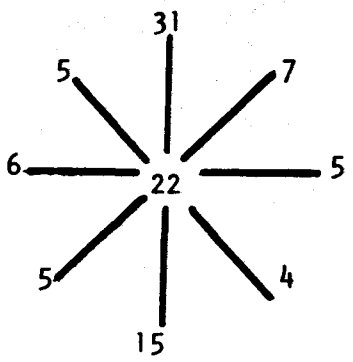
WIND DIRECTIONS



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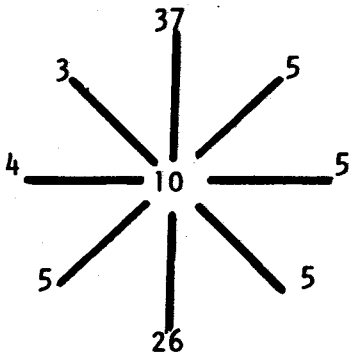

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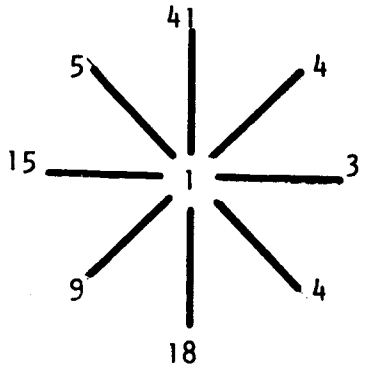

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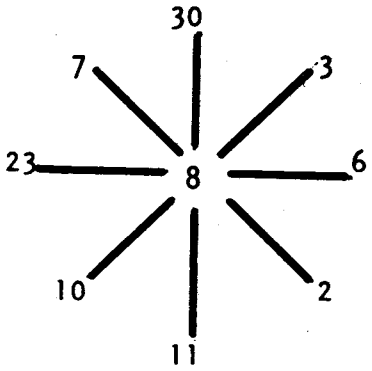


Time: 6PM to 9PM PST

Wind roses for four different time periods of the day at the Hyslop Field Lab.
The number in the center of the wind roses is the percent of time the wind was calm. Numbers at each of the compass points indicate the percentage of time the wind was from that direction.

WIND VELOCITIES

The Monthly Frequency of Duration of Consecutive Hours of Wind in Ranges of 15 to 19 MPH and 20 MPH and Above for April Through October

Hyslop Field Lab

Month	Range of Wind in MPH	Number of Consecutive Hours					
		1	2	3	4	5	greater than 5
April	15 to 19	11	5	1			
	20 or greater	1					
May	15 to 19	2	0	1	1	0	1
	20 or greater	0					
June	15 to 19	8					
	20 or greater	0					
July	15 to 19	2					
	20 or greater	0					
August	15 to 19	3	1	0	3		
	20 or greater	0					
September	15 to 19	11	5	4	1	1	
	20 or greater	0					
October	15 to 19	8	3	0	1	1	1
	20 or greater	0	1				

This table shows the number of times (frequency) per month that wind at velocities of 15 to 19 MPH and 20 MPH and greater are likely to occur for periods of 1, 2, 3, 4, 5, or more than 5 consecutive hours (duration) at a time.

MONTHLY EVAPORATION FOR CROP SEASON

From Standard Weather Bureau
Open Pan (1953-1980)
(inches)

Year	Apr	May	Jun	Jul	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
1973	4.41	6.10	6.50	9.48	6.88	5.54	2.11
1974	2.70	4.16	6.99	6.82	8.92	6.97	3.22
1975	2.55	5.12	6.05	7.09	6.16	6.96	1.55
1976	2.64	4.85	5.97	7.61	5.58	5.03	2.71
1977	3.55	4.47	6.70	7.68	7.95	3.32	**
1978	2.63	3.55	5.41	6.57	5.82	2.70	2.10
1979	2.33	4.86	6.42	7.47	5.89	3.92	2.58
1980	2.82	3.77	4.52	8.17	7.09	5.10	3.19
MEAN	2.67	4.44	5.73	7.86	6.95	4.76	2.09

** Missing data

AVERAGE MONTHLY MAXIMUM TEMPERATURES
1936-1980

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1936	49.9	44.6	54.8	65.9	71.2	75.2	80.2	82.4	77.5	72.1	55.3	48.3
1937	38.3	47.8	57.6	58.3	70.1	74.6	81.5	80.2	76.3	69.5	54.8	49.0
1938	46.8	51.0	55.6	64.3	71.5	77.9	86.2	79.7	79.5	64.7	50.9	50.3
1939	49.1	47.4	58.5	67.6	71.6	72.9	83.0	84.5	77.6	65.4	56.7	51.9
1940	49.1	53.1	60.5	65.1	74.5	81.0	80.1	84.2	75.4	66.7	51.7	50.4
1941	49.4	56.5	65.1	66.1	68.5	73.0	86.7	79.1	70.7	63.7	54.0	48.0
1942	43.5	51.6	57.0	64.8	66.9	72.4	83.0	84.1	79.7	68.8	53.5	50.0
1943	42.1	55.9	56.2	66.3	67.1	71.9	82.1	78.4	81.5	63.9	54.6	47.3
1944	47.3	52.0	57.5	60.8	68.8	73.8	81.5	82.2	81.1	70.5	52.3	46.4
1945	49.8	52.9	53.6	59.6	69.5	75.4	84.6	83.0	75.5	68.3	51.6	48.0
1946	47.3	50.4	56.2	63.1	72.8	71.4	74.8	83.2	74.5	60.5	52.1	47.9
1947	43.7	56.1	61.4	65.4	74.8	71.1	77.3	80.2	79.1	62.7	55.1	49.7
1948	49.5	48.9	53.9	56.1	66.2	78.1	78.8	77.0	75.6	62.7	51.0	43.1
1949	38.6	48.8	55.9	66.2	72.0	76.8	79.4	79.1	76.4	61.1	58.2	47.1
1950	36.8	49.5	53.0	60.6	68.8	74.1	82.9	85.9	78.3	60.3	54.6	53.7
1951	46.2	52.4	51.6	68.2	69.3	80.2	81.4	84.3	78.9	63.2	53.7	44.9
1952	45.0	50.9	53.3	65.6	65.6	69.8	84.0	81.1	80.6	71.9	46.3	48.0
1953	51.5	51.4	53.3	58.8	62.3	66.2	79.7	77.5	76.6	64.8	54.3	47.7
1954	45.6	50.8	53.6	59.4	68.2	66.9	76.1	76.0	72.4	63.3	55.9	46.8
1955	43.7	48.3	48.9	53.1	64.5	71.9	73.6	80.7	74.1	62.3	48.3	46.5
1956	46.4	41.6	51.3	62.2	69.9	68.6	82.8	79.7	76.5	61.2	50.5	45.0
1957	37.6	49.3	53.1	61.1	67.5	72.9	78.1	77.5	79.9	63.1	52.6	48.6
1958	47.2	54.4	53.9	58.6	73.0	73.7	86.0	86.7	75.4	67.5	53.5	51.0
1959	47.6	48.8	54.3	61.2	63.5	71.4	83.7	81.2	70.0	64.0	53.6	45.4
1960	41.3	49.1	53.3	59.3	62.0	75.2	85.2	78.0	75.7	65.3	52.8	45.6
1961	50.2	52.7	53.4	59.0	63.5	77.3	81.7	84.8	72.1	63.6	49.8	47.0
1962	43.8	48.8	51.4	62.5	59.5	72.6	80.5	78.2	76.1	61.7	54.4	47.3
1963	41.5	56.1	53.8	54.6	66.7	70.3	74.0	78.7	77.4	64.3	52.4	45.4
1964	47.0	49.9	51.7	57.0	63.0	69.0	78.5	77.2	73.3	66.3	48.1	45.6
1965	44.1	50.5	59.0	61.3	64.6	72.3	82.6	79.9	74.9	65.8	54.2	43.6
1966	45.0	48.9	52.5	63.0	69.3	73.7	78.5	81.6	76.0	64.2	54.3	49.1
1967	48.8	52.6	52.0	54.7	68.2	76.9	84.1	88.9	82.1	63.1	54.0	46.5
1968	45.5	56.5	56.5	58.9	64.8	72.8	81.4	76.2	72.7	61.8	52.9	44.0
1969	39.9	46.5	57.3	58.7	70.0	74.5	78.9	79.0	74.8	60.4	52.6	46.9
1970	45.7	54.3	55.6	55.9	66.6	77.4	82.2	81.9	71.9	63.1	54.0	45.1
1971	44.1	48.5	50.2	58.0	66.5	67.5	80.9	83.1	72.0	61.0	50.5	44.5
1972	44.5	50.6	56.7	55.4	69.0	73.1	84.8	85.0	72.7	65.2	53.6	43.0
1973	44.8	52.6	53.3	60.9	70.1	73.4	82.9	78.9	75.1	62.0	49.3	48.9
1974	43.5	47.3	54.0	57.5	63.6	74.6	77.5	82.2	83.6	68.1	53.4	49.3
1975	48.0	48.1	52.1	54.5	65.9	71.6	79.8	76.0	80.6	60.5	51.9	48.4
1976	47.4	49.3	52.2	57.3	67.0	69.9	79.1	76.1	76.5	66.5	55.6	43.6
1977	44.8	54.5	52.5	62.9	61.8	74.6	78.8	85.6	70.8	64.1	51.2	48.9
1978	46.6	51.7	59.2	57.8	63.6	75.0	80.7	80.0	69.9	67.1	48.9	43.0
1979	37.5	47.1	58.3	59.2	68.0	75.7	82.0	78.8	76.5	67.4	51.2	49.9
1980	44.8	50.8	53.8	62.0	64.9	67.8	80.6	79.4	76.5	67.1	54.3	48.6

Station moved from O.S.U. Campus to Hyslop Agronomy Farm, May 1952.

AVERAGE MONTHLY MINIMUM TEMPERATURES
1936-1980

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1936	38.1	31.1	37.4	43.6	49.0	53.1	54.5	53.8	48.8	43.7	32.6	37.9
1937	25.9	35.1	40.8	40.1	45.0	53.3	54.7	52.2	51.5	47.6	44.0	37.7
1938	35.0	35.8	38.0	42.8	46.3	50.6	54.5	51.2	53.2	45.7	35.8	36.0
1939	36.7	34.1	38.7	42.5	46.0	48.9	53.0	53.0	51.1	45.9	40.6	40.4
1940	34.8	40.0	41.8	42.9	47.6	50.7	54.1	54.1	53.9	49.6	37.1	37.7
1941	37.2	37.6	40.6	42.0	46.3	51.2	56.2	55.2	50.4	44.8	40.6	38.0
1942	30.7	33.7	36.3	42.3	44.6	50.0	55.3	53.8	48.3	43.5	39.5	39.0
1943	29.0	36.0	37.3	42.3	43.7	48.6	51.8	51.6	50.6	46.2	38.2	32.5
1944	32.5	35.5	35.8	40.4	43.6	48.1	52.1	51.7	50.0	46.5	36.5	30.7
1945	34.0	37.5	36.4	39.9	46.6	49.2	51.7	50.6	46.9	41.1	40.0	35.4
1946	34.0	35.4	37.1	39.1	45.1	47.0	51.5	50.9	46.1	40.3	35.2	36.6
1947	30.5	35.7	39.5	41.6	45.8	49.3	51.0	49.0	48.6	46.1	39.5	35.5
1948	31.1	33.7	35.5	38.4	44.9	52.2	51.3	51.8	47.3	41.8	37.1	31.0
1949	22.0	33.5	39.7	41.7	46.6	49.2	50.9	52.0	50.4	38.7	41.2	35.6
1950	25.9	34.3	37.5	39.5	42.6	50.0	52.4	52.1	48.6	46.1	40.9	42.5
1951	34.7	36.9	34.0	39.2	44.6	48.5	50.2	49.5	48.3	44.9	39.5	33.5
1952	33.9	35.9	37.8	40.5	40.9	46.0	49.6	48.6	46.5	51.6	30.5	34.8
1953	41.0	35.1	35.6	39.4	43.6	46.9	49.3	52.3	49.8	41.2	39.8	35.8
1954	33.0	32.6	31.7	38.5	43.4	47.4	49.4	50.1	46.2	38.6	41.1	32.7
1955	32.1	31.1	32.8	35.6	39.9	47.1	48.7	47.1	45.5	43.0	36.3	34.9
1956	35.4	30.2	35.7	39.0	46.0	46.6	50.8	50.6	47.1	40.8	32.7	33.8
1957	25.8	34.5	39.5	40.8	47.5	49.5	49.1	48.4	48.8	42.3	31.2	36.7
1958	34.7	41.2	34.6	40.9	46.7	53.6	54.5	52.7	48.6	41.5	38.9	38.2
1959	35.9	33.6	35.8	39.1	42.7	49.0	51.4	49.2	47.8	43.9	34.1	33.5
1960	29.7	34.4	35.8	39.7	42.7	47.9	49.2	49.2	46.9	41.7	37.2	31.8
1961	36.1	39.2	38.2	40.2	44.9	49.6	50.9	52.6	45.1	40.6	33.5	35.1
1962	29.5	33.8	35.2	40.6	42.4	45.5	48.7	50.0	48.5	43.5	39.3	35.9
1963	26.7	39.0	35.5	38.9	43.8	48.1	50.0	51.6	51.1	43.0	39.7	32.2
1964	34.6	31.9	34.9	37.8	40.3	47.5	50.7	50.4	43.9	40.7	35.6	34.8
1965	35.0	35.9	35.9	40.7	40.8	46.2	50.5	53.1	46.1	43.8	41.4	32.6
1966	34.2	32.6	36.6	39.3	42.2	48.3	50.9	50.7	49.7	40.9	39.7	38.5
1967	37.5	33.6	35.3	34.8	41.8	49.9	50.4	52.9	48.8	42.6	39.7	35.4
1968	33.9	39.6	37.7	35.8	42.7	48.1	50.0	51.9	48.0	40.1	38.3	32.4
1969	28.4	32.1	34.1	37.6	45.8	53.6	49.7	47.9	48.9	41.3	37.2	35.9
1970	36.2	35.4	36.5	36.9	42.0	50.2	50.2	48.9	45.4	39.4	37.8	34.0
1971	34.9	33.3	34.6	37.8	42.9	46.5	50.6	52.0	46.0	39.7	37.4	33.4
1972	32.4	35.2	40.2	37.1	44.2	49.9	52.8	52.6	46.2	40.6	40.8	27.2
1973	31.3	36.8	36.3	39.1	43.5	49.6	51.0	48.6	50.5	43.6	38.3	38.5
1974	29.9	35.0	37.2	40.7	42.4	48.4	49.5	51.8	48.2	37.4	38.5	37.1
1975	36.8	34.0	35.8	35.1	42.4	46.7	51.1	50.4	46.6	43.7	35.5	36.0
1976	34.7	32.9	34.7	37.8	41.2	44.4	50.4	52.2	49.3	41.1	38.1	31.3
1977	27.8	34.6	34.7	37.6	41.6	47.7	49.1	53.6	47.8	43.8	37.7	38.8
1978	37.2	40.0	40.4	42.2	44.7	51.1	52.7	53.2	49.6	40.4	30.9	29.6
1979	25.7	36.0	38.6	41.3	43.5	46.4	50.9	50.8	50.0	45.9	36.1	46.8
1980	29.9	35.4	37.5	40.1	43.1	48.2	52.4	47.3	47.2	41.4	39.8	37.2

Station moved from O.S.U. Campus to Hyslop Agronomy Farm, May 1952

Latitude 44° 38'
Longitude 123° 12'
Elevation (ground) 225 ft.

METEOROLOGICAL DATA F

Month	Temperature							Degree days	Precipitation						Relative humidity		
	Averages			Extremes								Snow, Sleet					
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date		Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.	Date			
J	44.8	29.9	37.4	56	14 ø	13	30		6.69	1.13	5	2.1	1.1	11			
F	50.8	35.4	43.1	60	27	26	1		3.88	.57	26	0	0	-			
M	53.8	37.5	45.7	64	3	29	24		4.02	1.11	14	.8	.8	15			
A	62.0	40.1	51.1	79	13	31	3		3.63	.83	6	0	0	-			
M	64.9	43.1	54.0	77	2	34	7		1.46	.56	10	0	0	-			
J	67.8	48.2	58.0	79	20	40	4		1.75	.53	14	0	0	-			
J	80.6	52.4	66.5	98	22	44	6		.24	.24	4	0	0	-			
A	79.4	47.3	63.3	92	11	40	26		.01	.01	31	0	0	-			
S	76.5	47.2	61.9	93	10	41	13		.96	.28	2	0	0	-			
O	67.1	41.4	54.2	92	3	33	23		1.87	.50	27	0	0	-			
N	54.3	39.8	47.1	69	4	29	13		6.29	.94	7	0	0	-			
D	48.6	37.2	42.9	66	31	25	8		11.33	2.04	25	0	0	-			
Year	62.6	41.6	52.1	98	Jul 22	13	Jan 30		42.13	2.04	Dec 25	2.9	1.1	Jan 11			

NORMALS, MEANS,

Month	Temperature							Normal degree days	Precipitation									
	Normal			Extremes												Snow,		
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year		Normal total	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Mean total	Maximum monthly	Year
(a)	30e	30e	30+	91		91		30e	30+	91		91		70		34	91	
J	44.4	32.1	38.8	64	1971ø	-1	1950	830	7.06	15.51	1970	.96	1977	4.28	1965	4.8	51.9	19
F	49.5	34.7	43.1	69	1916ø	-5	1899	658	4.63	15.23	1904	.12	1920	2.76	1961	0.8	9.5	19
M	54.0	36.8	45.5	78	1947	12	1971	597	4.20	11.70	1904	.43	1926	1.90	1963	0.6	6.5	18
A	61.0	40.5	50.1	91	1926	24	1968ø	423	2.05	7.99	1937	.22	1939	2.06	1937	T	1.5	19
M	67.7	45.5	55.7	99	1922	28	1915ø	279	1.77	5.71	1896	.16	1947	2.23	1941	0	0	-
J	72.9	49.2	61.0	102	1925	32	1929ø	126	1.15	3.84	1952	0	1918	2.14	1952	0	0	-
J	81.2	51.6	65.9	107	1946	36	1921ø	0	.33	2.72	1947	0	1967	1.75	1947	0	0	-
A	81.1	51.2	65.8	105	1972	35	1910	0	.55	5.24	1968	0	1974ø	1.35	1968	0	0	-
S	75.8	48.3	62.0	103	1944	26	1919	86	1.31	5.40	1920	0	1975	2.18	1969	0	0	-
O	64.2	43.0	53.2	92	1980	13	1919	349	3.78	9.70	1950	T	1918ø	2.26	1924	0.2	0.5	19
N	52.2	37.2	45.3	73	1890	10	1896	598	6.04	18.28	1973	.22	1890	3.16	1921	0.3	9.5	19
D	46.8	35.1	41.0	66	1980	-14	1919	739	6.83	14.47	1968	1.47	1976	3.58	1941	0.8	20.5	19
Yr.	62.6	42.1	52.3	107	Jul 1946	-14	Dec 1919	4685	39.70	18.28	Nov 1973	0	Sept 1975ø	4.28	Jan 1965	7.5	51.9	Jan 19

(a) Length of record, years.
ø Also earlier dates, months or years
Less than one
e 1931-1960 (adjusted to present location)
+ 1941-1970
* 12-year mean

R THE CURRENT YEAR

Hyslop Field Laboratory
Corvallis, Oregon 1980

Wind							Number of days									
Average hourly speed	Prevailing direction	Fastest mile: Speed	Fastest mile: Direction	Fastest mile: Date	EVAPORATION IN INCHES	MEAN DAILY RADIATION IN LANGLEYS	8:00 A.M. Sky: Clear	8:00 A.M. Sky: Partly cloudy	8:00 A.M. Sky: Cloudy	Precipitation .01 inch or more	Snow, Sleet, 1.0 or more	Thunderstorms	Heavy fog	Max. temp.: 90° and above	Max. temp.: 32° and below	Min. temp.: 32° and below	Min. temp.: Zero and below
							10	4	17	16		0		0	3	20	0
							5	3	21	24		0		0	0	11	0
							2	7	22	19		0		0	0	4	0
					2.82		16	8	6	15		0		0	0	4	0
					3.77		8	4	19	12		0		0	0	0	0
					4.52		10	7	13	12		1		0	0	0	0
					8.17		21	4	6	1		0		4	0	0	0
					7.09		20	5	6	1		0		2	0	0	0
					5.10		20	4	6	10		0		1	0	0	0
					3.19		12	7	12	15		1		1	0	0	0
							2	8	20	25		0		0	0	4	0
							3	4	24	23		0		0	1	8	0
							129	65	172	173		2		8	4	51	0

ND EXTREMES

Year	Relative humidity: 4:00 AM	Relative humidity: 10:00 AM	Relative humidity: 4:00 PM	Relative humidity: 10:00 PM	Wind: Mean hourly speed	Wind: Prevailing direction	Wind: Fastest mile: Speed	Wind: Fastest mile: Direction	MEAN DAILY RADIATION IN LANGLEYS	AVERAGE DAYTIME SKY COVER, TENTHS	MEAN MONTHLY EVAPORATION IN INCHES	Mean number of days: 8:00 A.M. Sky Cover: Clear	8:00 A.M. Sky Cover: Partly cloudy	8:00 A.M. Sky Cover: Cloudy	Precipitation .01 inch or more	Snow, Sleet, 1.0 or more	Thunderstorms	Heavy fog	Max. temp.: 90° ≥	Max. temp.: 32° ≤	Min. temp.: 32° ≤	Min. temp.: Zero ≤
	12	12	12	12	14	15			13	15					34		9		36	36	36	36
	90	84	79	89	4	S			93	8					19		0		0	1	13	#
	92	80	68	88	4	S			143	7					17		#		0	#	7	#
	90	71	58	84	4	S			240	7					19		#		0	0	7	0
	91	63	49	81	4	S			332	7					13		#		#	0	9	0
	93	55	44	79	4	N			449	6					14		#		#	0	#	0
	93	53	39	78	4	N			509	5					8		1		1	0	0	0
	92	45	31	75	4	N			560	3					2		1		4	0	0	0
	92	50	31	72	4	N			454	3					3		1		3	0	0	0
	87	59	48	73	4	N			348	4					6		#		2	0	#	0
	93	78	54	85	4	N			216	6					13		#		#	0	1	0
	93	84	80	91	3	S			104	7					17		#		0	#	6	0
	93	88	85	92	4	S			70*	8					20		#		0	#	9	#
	92	68	56	82											148		3		10	1	52	#

MONTHLY PRECIPITATION
1936-1980
(inches)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1936	10.82	5.35	1.97	1.43	3.41	1.70	.32	T	.89	.16	.24	5.82	32.1
1937	7.61	7.55	3.95	7.99	2.32	3.58	.08	.45	1.06	2.59	9.71	11.17	58.0
1938	4.03	6.33	7.42	1.51	.64	.08	.17	T	1.35	2.92	4.10	3.49	32.0
1939	3.92	3.60	2.44	.22	1.71	.70	.43	1.14	.43	2.90	.31	8.53	26.3
1940	4.41	9.80	4.93	2.26	2.62	.12	.16	T	2.75	4.14	4.46	4.71	40.3
1941	4.38	1.65	1.22	2.01	2.42	1.03	0	1.09	3.96	1.64	5.56	7.99	32.9
1942	4.95	3.36	1.04	1.62	2.56	1.11	.28	T	T	1.22	12.69	10.37	39.2
1943	5.09	3.78	5.60	2.01	1.16	1.32	.22	1.62	.02	5.54	2.51	2.66	31.5
1944	3.06	2.25	2.23	2.93	.85	.62	.14	T	2.18	1.36	4.63	2.74	22.9
1945	4.34	5.04	5.60	2.33	3.10	.22	.14	.08	.94	.89	10.08	5.03	37.7
1946	4.79	4.28	4.59	.68	.59	.98	.57	.01	2.17	4.22	6.78	3.76	33.4
1947	2.26	2.97	4.86	1.67	.16	2.55	2.72	.46	.61	9.05	3.10	3.45	33.8
1948	7.08	5.10	3.86	3.64	2.67	.39	.70	.06	1.87	2.34	5.97	7.46	41.4
1949	1.74	10.58	2.19	.55	2.06	.68	.03	.27	1.56	1.72	4.89	4.19	30.4
1950	12.17	5.23	4.16	.99	.65	.88	.21	.76	.97	9.70	7.73	5.13	48.5
1951	7.36	4.62	4.16	.65	1.40	.02	.11	.08	1.23	6.78	5.84	6.13	38.3
1952	5.08	4.17	1.75	.92	.35	3.84	0	.16	.40	1.02	1.55	7.13	26.3
1953	12.40	5.14	4.50	1.97	3.31	1.83	T	1.74	.49	3.12	6.96	7.81	49.2
1954	8.04	5.25	2.96	2.71	.90	3.11	.53	.64	1.60	3.56	5.86	6.92	42.0
1955	3.09	2.29	5.51	4.58	.91	.85	.62	0	1.97	7.58	7.32	12.64	47.3
1956	11.89	5.48	5.89	.93	1.98	1.14	.02	.34	1.12	5.96	1.38	4.56	40.5
1957	2.78	4.89	7.01	2.11	3.21	1.07	.17	.22	1.50	3.14	2.81	10.38	39.2
1958	8.15	7.81	2.55	3.66	1.12	2.91	.02	.02	1.30	2.68	8.49	4.15	42.8
1959	10.52	4.56	3.99	.84	2.20	1.31	.32	T	1.60	1.57	2.58	3.35	32.8
1960	4.38	6.49	7.18	3.29	3.92	.22	T	.64	.52	2.52	10.49	4.15	43.8
1961	4.80	10.12	7.46	2.23	2.05	.40	.59	.33	1.18	3.73	6.79	6.21	45.8
1962	1.21	3.82	6.37	2.90	2.31	.39	0	.51	1.60	4.62	7.89	2.90	34.5
1963	1.64	5.23	6.30	4.64	3.94	.98	.52	.65	.94	2.77	7.04	3.91	38.5
1964	11.68	.79	4.33	1.61	.55	.88	.57	.23	.31	1.25	9.23	13.27	44.7
1965	11.45	1.56	.59	2.00	1.08	.52	.39	.98	.04	2.12	8.70	7.69	37.1
1966	10.21	1.78	7.21	.95	.49	.76	.49	.27	1.71	3.18	5.27	7.67	39.9
1967	9.50	1.78	4.23	1.60	.85	.77	0	T	.84	6.19	3.46	6.32	35.5
1968	7.14	7.11	3.85	1.51	3.45	.79	.34	5.24	1.99	6.32	6.52	14.47	58.7
1969	9.35	4.27	1.81	1.94	1.64	2.46	.05	T	3.62	3.91	2.86	11.05	42.9
1970	15.51	5.97	2.29	2.66	1.12	.53	.12	T	1.06	4.03	7.30	12.47	53.0
1971	10.71	5.35	6.16	4.38	2.33	2.48	.02	.48	3.10	2.80	9.21	10.13	57.1
1972	10.10	5.13	6.46	4.27	2.36	1.01	.08	.24	2.28	.88	4.92	9.33	47.0
1973	5.56	1.65	3.63	1.75	.85	1.38	.02	.70	2.52	2.70	18.28	12.40	51.4
1974	11.59	7.52	8.87	2.39	1.46	.61	1.81	0	.07	1.41	6.88	8.15	50.7
1975	4.66	5.48	4.64	2.40	2.07	1.14	.62	1.68	0	4.30	5.51	6.83	39.3
1976	6.59	6.71	4.45	1.98	1.14	.47	.90	2.08	1.27	1.25	1.42	1.47	29.7
1977	.96	2.97	5.09	1.02	3.43	1.13	.12	1.89	3.58	2.58	8.11	11.03	41.9
1978	7.34	4.28	2.15	4.94	3.61	.94	.29	2.34	3.40	.98	3.14	4.23	37.6
1979	2.57	8.35	2.89	2.93	2.11	.38	.43	2.67	2.15	7.21	4.11	6.26	42.0
1980	6.69	3.88	4.02	3.63	1.46	1.75	.24	.01	.96	1.87	6.29	11.33	42.1

Station moved from O.S.U. Campus to Hyslop Agronomy Farm, May 1952

Soil Temperature at 4-inch Level

Hyslop Field Lab, Corvallis, Oregon

Average for 11 years - 1960-1971

	Jan		Feb		Mar		Apr		May		June		July		Aug		Sep		Oct		Nov		Dec	
Date	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min
1	42	39	42	39	44	41	53	45	59	49	70	58	77	63	83	70	76	64	66	57	53	48	44	43
2	41	39	42	38	45	41	52	45	60	49	72	59	78	64	83	70	75	64	65	56	52	48	44	42
3	40	39	42	38	46	40	54	43	61	50	74	59	79	65	83	69	75	65	65	55	52	47	44	42
4	40	38	44	40	46	40	55	44	63	55	73	60	82	66	82	69	76	64	65	55	51	48	43	41
5	39	37	43	40	47	41	54	46	63	52	73	60	81	66	81	68	76	64	63	56	51	48	43	41
6	38	37	43	39	46	40	55	47	62	51	74	60	82	67	83	68	75	65	64	55	49	46	44	42
7	38	37	43	39	47	41	55	45	63	51	72	61	80	67	84	69	74	64	64	54	49	45	44	42
8	38	36	43	39	48	41	57	46	66	53	73	61	82	67	84	69	73	64	63	56	49	46	43	41
9	38	36	44	38	48	41	55	48	67	53	71	61	79	66	84	70	74	63	64	56	50	46	43	41
10	38	37	44	40	47	42	53	47	65	43	73	60	82	65	85	71	73	62	62	55	50	47	43	41
11	38	36	44	40	49	44	55	46	65	54	71	60	79	66	85	68	74	63	61	54	50	48	42	40
12	39	36	44	41	49	43	56	45	68	54	72	60	80	66	83	70	74	61	61	54	51	48	42	40
13	38	36	45	41	48	42	54	45	65	54	74	60	81	66	82	69	73	61	59	53	50	47	41	39
14	40	37	45	41	48	42	56	46	65	54	75	61	83	68	81	68	72	61	59	52	49	47	41	39
15	41	39	44	41	48	43	55	46	66	54	75	62	81	68	82	68	71	61	59	52	49	47	40	39
16	41	39	45	42	50	43	56	47	67	54	75	62	82	68	82	68	71	60	59	51	49	46	40	39
17	42	40	45	42	50	47	54	46	68	55	77	63	82	67	80	67	71	61	58	50	49	45	41	38
18	42	40	46	43	49	43	55	45	69	55	76	63	84	68	81	67	68	60	57	49	48	44	39	38
19	43	41	46	42	50	42	43	46	70	56	79	63	83	68	79	67	68	60	56	49	47	44	39	38
20	43	40	46	42	49	41	55	45	68	57	78	63	83	68	79	66	67	59	56	49	47	44	40	39
21	43	40	47	41	50	43	55	46	69	57	77	63	81	68	78	68	67	58	55	51	46	44	41	40
22	42	41	46	41	52	43	57	46	70	57	78	64	82	68	79	66	68	58	55	49	46	43	43	40
23	42	40	46	40	51	44	57	49	68	57	76	63	82	67	79	67	67	59	55	51	45	43	43	41
24	41	39	47	41	51	44	57	49	69	56	75	62	83	68	78	66	67	58	56	50	46	42	43	41
25	42	40	47	41	52	43	57	49	69	56	74	62	84	68	75	66	68	59	55	50	47	44	43	41
26	42	40	47	42	50	44	58	50	71	57	76	63	83	69	77	65	67	58	54	49	46	43	43	41
27	42	39	46	42	52	44	59	49	71	57	75	63	83	68	75	65	68	58	53	48	45	42	42	41
28	41	39	41	37	52	45	59	49	71	57	74	62	85	69	76	65	68	58	52	49	44	41	42	40
29	41	39	41	37	52	45	60	48	72	58	74	61	85	69	77	64	68	57	53	48	44	42	42	41
30	42	39			52	45	60	48	71	58	75	62	85	70	77	65	66	58	53	47	44	42	41	40
31	41	39			53	45			71	58			84	70	75	64			53	48			41	40

Average Daily Radiation in Langleys

National Weather Service - Hyslop Field Laboratory, Corvallis, Oregon

Eleven Year Average*

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	88	128	177	231	395	544	525	479	377	314	144	74
2	84	139	185	305	443	491	642	521	454	279	155	90
3	103	105	173	375	422	446	638	544	431	283	161	89
4	101	120	179	314	368	553	573	444	416	281	145	83
5	80	106	196	324	382	492	586	474	359	281	140	62
6	75	116	217	309	308	427	531	465	396	248	138	89
7	74	167	243	299	442	518	527	485	407	247	107	89
8	71	136	256	293	460	462	516	527	417	245	108	73
9	80	120	221	252	398	484	492	540	415	203	114	82
10	94	141	171	341	407	487	516	565	366	202	104	80
11	66	129	230	394	469	443	562	529	416	198	138	81
12	62	114	213	307	491	569	607	469	382	200	119	79
13	66	140	219	331	518	564	611	462	388	215	118	66
14	94	125	192	311	488	520	617	499	345	268	99	58
15	49	127	240	330	447	496	626	458	363	240	86	58
16	69	138	239	319	503	530	548	409	362	243	110	56
17	86	114	309	275	497	531	576	481	345	218	68	85
18	94	120	277	262	494	592	561	488	336	212	94	46
19	88	137	271	288	463	565	601	424	329	168	75	42
20	117	199	313	300	435	559	571	471	303	182	74	39
21	106	177	257	358	543	538	605	417	293	175	75	57
22	93	185	204	391	408	522	588	434	295	124	65	52
23	80	191	246	338	459	479	598	407	334	150	51	53
24	101	188	237	313	431	430	604	375	335	184	71	58
25	83	212	276	378	475	511	583	461	346	172	76	85
26	113	175	217	381	502	506	587	466	341	173	83	75
27	96	185	252	341	530	521	565	429	354	123	110	79
28	134	159	292	431	554	538	582	448	329	157	127	63
29	100		296	417	517	523	546	457	307	185	115	74
30	107		338	445	524	546	554	358	348	143	75	72
31	113		275		574		543	343		143		79
AVE.	86.6	146.2	239.1	333.4	462.8	512.9	573.6	467.2	363.0	208.3	104.8	69.9

*1960-1963, 1970-1976

PROBABILITY DATES OF FIRST FALL OCCURRENCE OF VARIOUS FREEZING TEMPERATURES

Ten Per Cent Chance Of:

	32°	28°	24°
Albany	October 13	October 31	November 9
Corvallis	October 11	October 25	November 12
Eugene	October 9	October 25	November 7
Forest Grove	September 25	October 19	November 4
Portland	November 3	December 2	December 9
Salem	October 9	October 22	November 7

Twenty Per Cent Chance Of:

	32°	28°	24°
Albany	October 20	November 6	November 20
Corvallis	October 18	November 1	November 23
Eugene	October 16	November 1	November 18
Forest Grove	October 3	October 26	November 15
Portland	November 10	December 9	December 20
Salem	October 16	October 29	November 18

Fifty Per Cent Chance Of:

	32°	28°	24°
Albany	November 3	November 22	December 14
Corvallis	November 1	November 17	December 17
Eugene	October 30	November 17	December 12
Forest Grove	October 17	November 11	December 9
Portland	November 24	December 25	January 13
Salem	October 30	November 14	December 12

Data for these tables extracted from OAES, Station Bulletin 581

PROBABILITY DATES OF LAST SPRING OCCURRENCE OF VARIOUS FREEZING TEMPERATURES

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 28	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

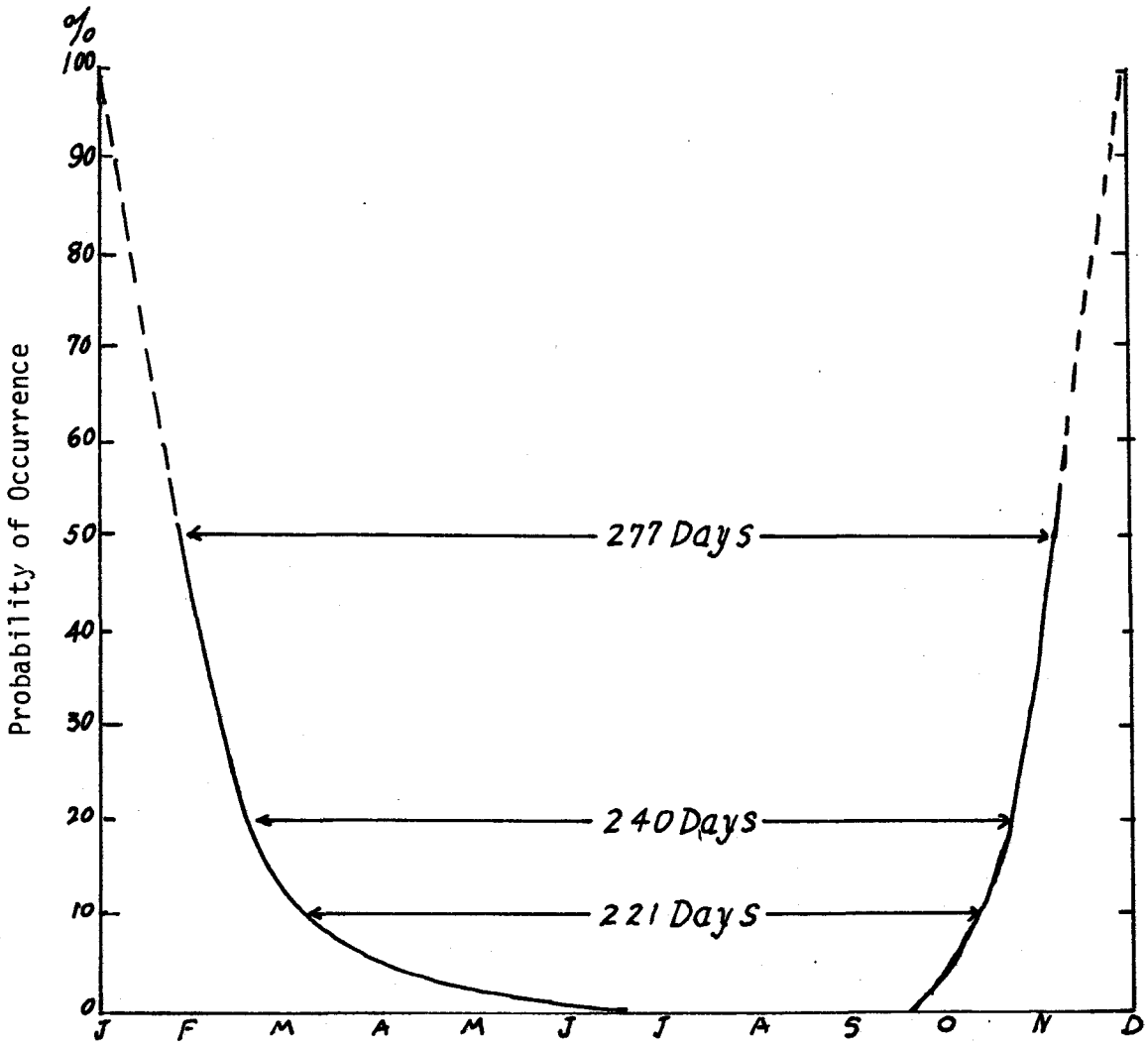
Data for these tables extracted from OAES, Station Bulletin 581

NORMAL DEGREE DAYS

Corvallis, Oregon

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	26	26	21	17	11	7	0	0	0	7	17	22
2	26	26	21	17	11	7	0	0	0	7	17	22
3	26	26	21	17	11	7	0	0	0	7	17	22
4	27	26	20	17	11	6	0	0	0	7	18	22
5	27	25	20	17	11	6	0	0	1	8	18	22
6	27	25	20	16	10	6	0	0	1	8	18	23
7	27	25	20	16	10	6	0	0	1	8	18	23
8	27	25	20	16	10	6	0	0	1	8	19	23
9	27	25	20	16	10	6	0	0	2	9	19	23
10	27	25	20	16	10	5	0	0	2	9	19	23
11	27	24	20	15	10	5	0	0	2	10	19	24
12	27	24	19	15	10	5	0	0	2	10	19	24
13	27	23	19	15	9	4	0	0	2	10	20	24
14	27	23	19	14	9	4	0	0	3	11	20	24
15	27	23	19	14	9	4	0	0	3	11	202	24
16	27	23	19	14	9	4	0	0	3	11	20	24
17	27	23	19	13	9	4	0	0	3	11	20	24
18	27	23	19	13	9	4	0	0	3	12	20	24
19	27	23	19	13	9	4	0	0	3	12	21	24
20	27	22	19	13	8	4	0	0	4	13	21	24
21	27	22	19	13	8	3	0	0	4	13	21	24
22	27	22	19	13	8	3	0	0	4	13	21	24
23	27	22	19	12	8	3	0	0	4	14	22	24
24	27	22	19	12	8	2	0	0	4	14	22	25
25	27	22	19	12	8	2	0	0	5	14	22	25
26	27	21	18	12	8	2	0	0	5	14	22	25
27	27	21	18	12	7	2	0	0	6	15	22	25
28	26	21	18	11	7	2	0	0	6	15	22	25
29	26	21	18	11	7	2	0	0	6	16	22	25
30	26		18	11	7	1	0	0	6	16	22	26
31	26		18		7		0	0		16		26
Total	830	658	597	423	279	107	0	0	86	349	682	739

annual - 4750



Number of days between spring and autumn
32°F occurrence for 10%, 20% and 50% probability

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