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Local Climatological Data For Oregon State University

1969

With Normals, Means, and Extremes

SPECIAL REPORT 277
REVISED JULY 1971

United States Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service

in cooperation with the
Agricultural Experiment Station
Oregon State University
Corvallis

CONTENTS

	Page No.
Preface.....	1
Weather Station History.....	3
Weather Records at Oregon State University.....	4
Narrative Climatological Summary for Mid-Willamette Valley.....	5
Observed Average Maximum and Minimum Temperatures by Months, 1931-1968.....	7
Observed Precipitation by Months, 1931-1968.....	9
Sunrise and Sunset Tables.....	10
Killing Frost Dates, 1936-1968.....	11
Pan Evaporation at Hyslop Weather Station by Months, 1953-1968.....	12
Miscellaneous Climatological Data Sunshine, Relative Humidity, Comparative Air Temperatures.....	13
Precipitation Probability Table	14
Comparisons of Air and Soil Temperatures, 1968, Weekly Average Maximum and Minimum Air, Soil at 2-, 4-, and 8-inch Depths.....	15
Meteorological Data for the Current Year (1968) and Normals, Means and Extremes.....	16
Daily Climatological Data (1968) January through December.....	17
Extreme Values of Temperature and Precipitation Since 1890.....	29
Average Daily Radiation in Langleys.....	41
Explanatory Notes for Daily Climatological Data.....	42
References.....	43

PREFACE

Miscellaneous Paper 105, Agricultural Experiment Station, Oregon State University, entitled "A Summary of Climate and Weather for Corvallis, Oregon, 1889 through 1960" by Wheeler Calhoun was published in March 1961. The United States Department of Commerce National Weather Service, working with the Farm Crops Department at Oregon State University, has instrumented the Hyslop Farm Weather Station to measure additional elements important to agricultural scientists. There will be a continuing need for a publication to make these data readily available to researchers. It is planned that local climatological data from the Hyslop Farm Weather Station will be published annually.

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HISTORY OF OREGON STATE UNIVERSITY WEATHER STATION

The cooperative Oregon State University--U. S. Weather Bureau station is in an open field located at the Hyslop Crop Science Farm six miles northeast of Corvallis, Oregon, just off Highway 20. It is situated on the main Willamette Valley floor a few miles to the east of the coast range foothills. The elevation is 225 feet above sea level at a latitude of 44° 38' North and longitude 123° 12' West. The station is operated by the Farm Crops Department of Oregon State University

A cooperative weather station was first established at Corvallis by Captain E. Grimm of the U. S. Army Signal Corps in October, 1889. In 1891 the U. S. Weather Bureau was established and took charge of this station with John Fulton assuming the duties as observer. He made weather and special soil temperature observations until 1895. Ellsworth Erwin carried on the work until January 1910, when W. L. Powers was assigned this duty. At this time the observations taken were expanded to include evaporation and other items related to drainage, irrigation, and soil moisture. E. F. Torgerson kept the record from 1918 to 1946 with R. O. Swan assisting. From 1946 until 1950 Powers again assumed responsibility for the observations and records. Eugene Dannen was observer from 1950 to May 1952. In May 1952 the weather station was moved from the campus of Oregon State College to its present location at Hyslop Crop Science Farm. Wheeler Calhoun, Superintendent of Hyslop, has been the official weather observer since 1952.

WEATHER RECORDS AT OREGON STATE UNIVERSITY

For many years prior to the station's move to the Hyslop Farm, campus observations were taken at a roof-top exposure during the "winter" season and at a nearby ground site during "summer." This twice-a-year move of the station and the move from the campus to Hyslop Farm have introduced some discrepancies in temperature "normals," or averages. Temperatures at the present site are a little lower, especially on clear, calm nights, than at the previous campus location. To compute "normals" or averages which reflect the new location and are, therefore, more meaningful for comparisons, temperature records prior to 1953 were adjusted. Most climatological stations of the U. S. Weather Bureau publish and use a 30-year "normal" or average for temperatures and precipitation (presently 1931-1960). To facilitate direct comparison of Hyslop Weather Station temperature and precipitation "normals" with other published "normals," the 1931-1960 period is used herein.

The move from the campus site to Hyslop Farm also affected precipitation catch. This became apparent when comparisons for several years before and after the move were made with nearby stations whose locations remained unchanged. The present site is slightly wetter than was the campus site. Adjusted precipitation "normals" or averages for the 1931-1960 period represent the present location of the gage.

The present site at Hyslop Crop Science Farm is an excellent one for an agricultural weather station. Increased instrumentation has been used at the Crop Science Farm.

NARRATIVE CLIMATOLOGICAL SUMMARY FOR MID-WILLAMETTE VALLEY

The mid-Willamette Valley, that valley area from a latitude just north of Salem to just south of Corvallis, is a homogeneous area with respect to climate. The usual movement of very moist maritime air masses from the Pacific Ocean inland over the Coast Range produces near its crest some of the heaviest yearly precipitation (nearly all rain) in the United States. An annual total of almost 170 inches has been recorded, and one station situated in the Coast Range has established a period-of-record annual average near 125 inches. From the ridge crest of the Coast Range, approximately 3,000 feet above sea level, there is a gradual decrease of rainfall downslope to the valley floor where annual totals average near 40 inches. As these marine-conditioned air masses continue to move farther inland, they are forced to ascend the west slopes of the Cascades to elevations generally near or above 5,000 feet above sea level, and again precipitation amounts increase substantially with elevation.

Most of this precipitation in both the valley and its bordering mountain ranges occurs during the winter. In the mid-Willamette Valley about 70 percent of the annual total occurs during the five months November through March, while only 5 percent occurs during the three summer months. In this area, on the average, there are only three or four days during the year with measurable amounts of snow. Its depth on the ground rarely exceeds two or three inches and usually melts in a day or two. The few thunderstorms that occur in the valley each year are not generally severe and seldom

do they, or the hail that occasionally accompanies them, cause serious damage.

The seasonal differences in temperatures are much less marked than those of precipitation. The range in mean temperatures during January, the coldest month, and July, the warmest, is just under 30 degrees. Maximum temperatures of 100 degrees or higher are very infrequent, averaging less than one per year for the past 75 years. Minimum temperatures below zero are even more infrequent and occur only in about one year out of fifteen on the average. At Corvallis the average length of time between killing frosts during the growing seasons (1936-1964) is 215 days. Since 1900 the latest killing frost in spring was May 31 and the earliest in fall was September 24.

AVERAGE MONTHLY MAXIMUM TEMPERATURES
1931-1969

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1931	50.2	52.9	57.5	67.3	75.2	73.5	84.8	83.6	73.1	65.0	51.5	45.4
1932	46.0	49.2	55.1	61.6	66.7	78.5	76.5	79.9	79.5	67.5	55.3	43.6
1933	44.1	45.9	54.6	63.5	60.4	71.3	81.9	83.0	68.6	67.5	52.9	51.2
1934	51.6	56.6	63.2	66.8	68.3	72.4	76.8	80.5	73.7	65.7	53.1	46.6
1935	44.6	50.5	49.7	59.8	69.6	76.2	79.9	83.7	81.7	63.3	49.9	46.8
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	73.2	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	56.6	58.8	64.8	72.7	81.3	76.1	72.3	61.8	52.9	44.1
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

Station moved from Campus to Hyslop Agronomy Farm May 1952.

AVERAGE MONTHLY MINIMUM TEMPERATURES
1931-1969

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1931	37.0	34.5	39.8	43.3	47.4	50.6	53.8	52.6	50.0	44.8	36.3	35.3
1932	34.3	35.5	40.8	41.0	45.5	51.1	51.1	55.2	48.5	46.2	41.5	30.9
1933	33.9	32.0	38.2	39.6	43.7	50.3	52.5	53.6	48.6	38.5	37.5	42.4
1934	40.8	39.3	44.0	44.9	48.3	50.4	53.0	53.0	48.2	46.9	44.2	37.1
1935	32.7	36.2	35.2	41.2	42.2	50.5	52.5	53.0	51.3	42.6	35.5	34.3
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	45.9	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	39.3	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	32.6
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	40.2	38.5	37.7	35.7	42.7	48.1	50.0	51.9	48.3	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

Station moved from Campus to Hyslop Agronomy Farm May 1952.

MONTHLY PRECIPITATION
1931-1969
(inches)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1931	4.72	2.83	5.72	1.28	.19	3.35	T	0	1.52	3.82	6.58	9.12	39.13
1932	6.55	2.08	5.06	2.36	2.24	.24	.61	.83	T	3.99	4.89	8.09	36.94
1933	7.93	5.14	4.03	.76	3.70	.84	0	.69	1.68	2.67	1.00	14.15	42.59
1934	5.55	.98	2.12	1.94	1.28	.24	.26	.10	.57	4.57	9.71	8.10	35.42
1935	4.21	3.37	4.52	2.00	.52	.21	.51	.10	1.28	2.61	2.26	4.76	26.35
1936	10.82	5.35	1.97	1.43	3.41	1.70	.32	T	.89	.16	.24	5.82	32.11
1937	7.61	7.55	3.95	7.99	2.32	3.58	.08	.45	1.06	2.59	9.71	11.17	58.06
1938	4.03	6.33	7.42	1.51	.64	.08	.17	T	1.35	2.92	4.10	3.49	32.04
1939	3.92	3.60	2.44	.22	1.71	.70	.43	1.14	.43	2.90	.31	8.53	26.33
1940	4.41	9.80	4.93	2.26	2.62	.12	.16	T	2.75	4.14	4.46	4.71	40.36
1941	4.38	1.65	1.22	2.01	2.42	1.03	0	1.09	3.96	1.46	5.56	7.99	32.95
1942	4.95	3.36	1.04	1.62	2.56	1.11	.28	T	T	1.22	12.69	10.37	39.20
1943	5.09	3.78	5.60	2.01	1.16	1.32	.22	1.62	.02	5.54	2.51	2.66	31.53
1944	3.06	2.25	2.23	2.93	.85	.62	.14	T	2.18	1.36	4.63	2.74	22.99
1945	4.34	5.04	5.60	2.33	3.10	.22	.14	.08	.94	.89	10.08	5.03	37.79
1946	4.79	4.28	4.59	.68	.59	.98	.57	.01	2.17	4.22	6.78	3.76	33.42
1947	2.26	2.97	4.86	1.67	.16	2.55	2.72	.46	.61	9.05	3.10	3.45	33.86
1948	7.08	5.10	3.86	3.64	2.67	.39	.70	.06	1.87	2.34	5.97	7.46	41.14
1949	1.74	10.58	2.19	.55	2.06	.68	.03	.27	1.56	1.72	4.89	4.19	30.46
1950	12.17	5.23	4.16	.99	.65	.88	.21	.76	.97	9.70	7.73	5.13	48.58
1951	7.36	4.62	4.16	.65	1.40	.02	.11	.08	1.23	6.78	5.84	6.13	38.38
1952	5.08	4.17	1.75	.92	.35	3.84	0	.16	.40	1.02	1.55	7.13	26.37
1953	12.40	5.14	4.50	1.97	3.31	1.83	T	1.74	.49	3.12	6.96	7.81	49.27
1954	8.04	5.25	2.96	2.71	.90	3.11	.53	.64	1.60	3.56	5.86	6.92	42.08
1955	3.09	2.29	5.51	4.58	.91	.85	.62	0	1.97	7.58	7.32	12.64	47.36
1956	11.89	5.48	5.89	.93	1.98	1.14	.02	.34	1.12	5.86	1.38	4.56	40.59
1957	2.78	4.89	7.01	2.11	3.21	1.07	.17	.22	1.50	3.14	2.81	10.38	39.29
1958	8.15	7.81	2.55	3.66	1.12	2.91	.02	.02	1.30	2.68	8.49	4.15	42.86
1959	10.52	4.56	3.99	.84	2.20	1.31	.32	T	1.60	1.57	2.58	3.35	32.84
1960	4.38	6.49	7.18	3.29	3.92	.22	T	.64	.52	2.52	10.49	4.15	43.80
1961	4.80	10.12	7.46	2.23	2.05	.40	.59	.33	1.18	3.73	6.79	6.21	45.89
1962	1.21	3.82	6.37	2.90	2.31	.39	0	.51	1.60	4.62	7.89	2.90	34.58
1963	1.64	5.23	6.30	4.64	3.94	.98	.52	.65	.94	2.77	7.04	3.91	38.56
1964	11.68	.79	4.33	1.61	.55	.88	.57	.23	.31	1.25	9.23	13.27	44.70
1965	11.45	1.56	.59	2.00	1.08	.52	.39	.98	.04	2.12	8.70	7.69	37.12
1966	10.21	1.78	7.21	.95	.49	.76	.49	.27	1.71	3.18	5.27	7.67	39.99
1967	9.50	1.78	4.23	1.60	.85	.77	0	T	.84	6.19	3.46	6.32	35.54
1968	7.14	7.11	3.85	1.51	1.51	3.45	.79	5.24	1.99	6.37	6.52	14.44	58.70
1969	9.35	4.27	1.81	1.94	1.64	2.46	.05	T	3.62	3.91	2.86	11.05	42.96

Station moved from Campus to Hyslop Agronomy Farm May 1952.

SUNRISE AND SUNSET AT CORVALLIS, OREGON
PACIFIC STANDARD TIME

DAY	January		February		March		April		May		June		July		August		September		October		November		December	
	Rise a.m.	Set p.m.	Rise a.m.	Set p.m.	Rise a.m.	Set p.m.	Rise a.m.	Set p.m.	Rise a.m.	Set p.m.	Rise a.m.	Set p.m.	Rise a.m.	Set p.m.	Rise a.m.	Set p.m.	Rise a.m.	Set p.m.	Rise a.m.	Set p.m.	Rise a.m.	Set p.m.	Rise a.m.	Set p.m.
1	7:49	4:43	7:31	5:21	5:50	6:00	5:54	6:39	5:03	7:17	4:31	7:50	4:31	8:01	4:58	7:38	5:35	6:49	6:10	5:53	6:50	5:02	7:29	4:34
2	7:49	4:44	7:30	5:22	6:49	6:01	5:52	6:41	5:01	7:18	4:30	7:51	4:32	8:01	4:59	7:37	5:36	6:48	6:11	5:51	6:51	5:00	7:30	4:34
3	7:49	4:45	7:29	5:24	6:47	6:03	5:51	6:42	5:00	7:19	4:30	7:52	4:32	8:01	5:00	7:36	5:37	6:46	6:12	5:49	6:53	4:59	7:31	4:33
4	7:47	4:46	7:27	5:25	6:45	6:04	5:49	6:43	4:59	7:21	4:29	7:52	4:33	8:00	5:02	7:34	5:38	6:44	6:13	5:48	6:54	4:58	7:32	4:33
5	7:47	4:47	7:26	5:27	6:43	6:05	5:47	6:45	4:58	7:22	4:28	7:53	4:33	8:00	5:03	7:33	5:39	6:42	6:15	5:46	6:56	4:56	7:33	4:33
6	7:49	4:48	7:25	5:28	6:42	6:06	5:45	6:46	4:57	7:23	4:29	7:54	4:34	8:00	5:04	7:32	5:40	6:40	6:16	5:44	6:57	4:55	7:34	4:33
7	7:49	4:49	7:24	5:30	6:40	6:08	5:43	6:47	4:55	7:24	4:28	7:55	4:35	7:59	5:05	7:30	5:41	6:38	6:17	5:42	6:58	4:54	7:35	4:32
8	7:49	4:50	7:22	5:31	6:38	6:09	5:41	6:48	4:53	7:25	4:28	7:55	4:36	7:59	5:06	7:29	5:43	6:37	6:18	5:41	7:00	4:52	7:36	4:32
9	7:48	4:51	7:21	5:32	6:36	6:10	5:40	6:50	4:51	7:26	4:28	7:56	4:36	7:58	5:07	7:28	5:44	6:35	6:20	5:39	7:01	4:51	7:37	4:32
10	7:48	4:52	7:20	5:34	6:35	6:11	5:38	6:51	4:50	7:28	4:27	7:57	4:37	7:58	5:09	7:26	5:45	6:33	6:21	5:37	7:02	4:50	7:38	4:32
11	7:48	4:53	7:19	5:35	6:33	6:13	5:36	6:52	4:49	7:29	4:27	7:57	4:38	7:57	5:10	7:25	5:46	6:31	6:22	5:35	7:04	4:49	7:39	4:32
12	7:47	4:55	7:18	5:37	6:31	6:14	5:34	6:53	4:48	7:30	4:27	7:58	4:39	7:57	5:11	7:28	5:47	6:29	6:23	5:34	7:05	4:48	7:40	4:32
13	7:47	4:56	7:16	5:38	6:29	6:15	5:32	6:55	4:47	7:31	4:27	7:59	4:40	7:56	5:12	7:22	5:48	6:27	6:25	5:32	7:06	4:47	7:41	4:33
14	7:46	4:57	7:15	5:40	6:27	6:17	5:31	6:56	4:46	7:32	4:27	7:59	4:41	7:55	5:13	7:20	5:49	6:25	6:26	5:30	7:08	4:46	7:42	4:33
15	7:46	4:58	7:13	5:41	6:26	6:18	5:29	6:57	4:45	7:33	4:27	7:59	4:41	7:55	5:15	7:19	5:51	6:23	6:27	5:28	7:09	4:45	7:42	4:33
16	7:45	4:59	7:12	5:42	6:24	6:19	5:27	6:58	4:44	7:34	4:27	8:00	4:42	7:54	5:16	7:17	5:52	6:21	6:29	5:27	7:10	4:44	7:43	4:33
17	7:45	5:01	7:10	5:44	6:22	6:20	5:25	7:00	4:43	7:35	4:27	8:00	4:43	7:53	5:17	7:15	5:53	6:20	6:30	5:25	7:12	4:43	7:44	4:34
18	7:44	5:02	7:09	5:45	6:20	6:22	5:24	7:01	4:42	7:37	4:27	8:00	4:44	7:53	5:18	7:14	5:54	6:18	6:31	5:23	7:13	4:42	7:45	4:34
19	7:43	5:03	7:07	5:47	6:18	6:23	5:22	7:02	4:41	7:38	4:27	8:01	4:45	7:52	5:19	7:12	5:55	6:16	6:33	5:22	7:14	4:41	7:45	4:34
20	7:42	5:04	7:05	5:48	6:17	6:25	5:20	7:03	4:40	7:39	4:27	8:01	4:46	7:51	5:20	7:11	5:56	6:14	6:34	5:20	7:15	4:40	7:45	4:35
21	7:42	5:06	7:04	5:49	6:15	6:26	5:19	7:05	4:39	7:40	4:27	8:01	4:47	7:50	5:22	7:09	5:58	6:12	6:35	5:19	7:17	4:39	7:45	4:35
22	7:41	5:07	7:02	5:51	6:13	6:27	5:17	7:06	4:38	7:41	4:28	8:01	4:48	7:49	5:23	7:07	5:59	6:10	6:37	5:17	7:18	4:39	7:46	4:36
23	7:40	5:08	7:01	5:52	6:11	6:28	5:16	7:07	4:37	7:42	4:28	8:01	4:49	7:48	5:24	7:05	6:00	6:08	6:38	5:15	7:19	4:38	7:47	4:36
24	7:40	5:10	6:59	5:53	6:09	6:29	5:14	7:08	4:36	7:43	4:28	8:01	4:50	7:47	5:25	7:04	6:01	6:06	6:39	5:14	7:20	4:37	7:47	4:37
25	7:39	5:11	6:57	5:55	6:07	6:31	5:12	7:09	4:36	7:44	4:29	8:02	4:51	7:46	5:26	7:02	6:02	6:04	6:41	5:12	7:22	4:37	7:48	4:37
26	7:38	5:13	6:55	5:56	6:05	6:32	5:11	7:11	4:35	7:45	4:29	8:02	4:52	7:45	5:28	7:00	6:04	6:02	6:42	5:11	7:23	4:36	7:49	4:38
27	7:37	5:14	6:54	5:58	6:04	6:33	5:09	7:12	4:34	7:46	4:30	8:02	4:53	7:44	5:29	6:58	6:05	6:01	6:43	5:09	7:24	4:36	7:48	4:39
28	7:36	5:16	6:52	5:59	6:02	6:34	5:07	7:13	4:34	7:47	4:30	8:01	4:54	7:43	5:30	6:57	6:06	5:59	6:45	5:08	7:25	4:35	7:49	4:40
29	7:35	5:17	6:51	6:00	6:00	6:36	5:06	7:15	4:33	7:47	4:30	8:01	4:55	7:42	5:31	6:55	6:07	5:57	6:46	5:06	7:26	4:35	7:49	4:41
30	7:34	5:18			5:58	6:37	5:04	7:16	4:32	7:48	4:31	8:01	4:56	7:41	5:32	6:53	6:08	5:55	6:47	5:05	7:28	4:34	7:49	4:42
31	7:33	5:20			5:56	6:38			4:31	7:49			4:57	7:39	5:33	6:51			6:49	5:03			7:49	4:42

Add one hour for Daylight Saving Time if and when in use.

This table was prepared using official sunrise and sunset tables of the U.S. Naval Observatory for Salem, Oregon and Eugene, Oregon.

This table may be used in any year of the twentieth century and within the geographical boundary of the stated place with an error not exceeding 2 minutes and generally less than 1 minute.

DATES OF KILLING FREEZE SPRING AND FALL

Year	Last Spring Freeze Month	Day	First Fall Freeze Month	Day	Frost Free Days
1936	May	2	October	29	180
1937	March	18	November	30	257
1938	April	6	October	15	192
1939	March	10	November	4	239
1940	February	20	November	22	275
1941	March	14	November	17	248
1942	April	24	November	11	201
1943	April	26	November	6	194
1944	March	28	November	15	232
1945	March	5	October	24	233
1946	February	11	October	28	259
1947	February	28	November	23	267
1948	April	27	October	28	183
1949	March	24	October	17	206
1950	March	12	November	10	222
1951	April	24	October	21	189
1952	May	4	November	2	182
1953	April	10	November	1	204
1954	April	28	October	26	181
1955	April	27	November	23	210
1956	April	5	November	15	223
1957	April	7	November	1	207
1958	April	5	November	16	225
1959	April	15	November	6	205
1960	April	16	November	9	206
1961	March	28	October	20	207
1962	April	10	December	1	234
1963	April	2	October	19	200
1964	May	2	October	26	177
1965	May	6	November	29	206
1966	April	19	October	13	185
1967	April	30	November	23	206
1968	April	24	November	4	193
1969	April	20	November	26	232
AVERAGE					
FOR 34					
YEARS	April	7	November	7	213

June, July, August have been frost free for 76 years.

CROP SEASON MONTHLY EVAPORATION

From Standard Weather Bureau
Open Pan (1953-1967)
(inches)

Year	April	May	June	July	August	September	October
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
MEAN	2.48	4.18	5.51	7.73	6.85	4.61	1.81

* Missing Data

MISCELLANEOUS CLIMATOLOGICAL DATA

Estimate of Percent of Possible Sunshine at Corvallis*
(based on cloud cover and solar radiation data)

Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
25	35	40	50	55	60	70	70	65	45	30	20

*From 1959 Climatological Publication, OREGON SUNSHINE, U. S. Weather Bureau, Portland, Oregon. Author: Gilbert Sternes, State Climatologist.

Average Monthly Relative Humidity at Salem, Oregon, Weather Bureau'
Airport Station*
(in percent)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<u>4 a.m.</u>	88	90	89	89	89	88	87	87	89	92	90	90
<u>4 p.m.</u>	79	71	63	54	52	50	39	40	47	64	76	81

*From U. S. Weather Bureau LOCAL CLIMATOLOGICAL DATA, Salem, Oregon, 1961. These data are representative of the mid-Willamette Valley.

Average Monthly Maximum and Minimum Air Temperatures*
(1964)

	May	June	July	Aug.	Sept.
(maximum)					
1-foot level	63.3	69.8	81.1	78.8	74.0
15-foot level	59.6	66.7	77.0	76.1	72.8
(minimum)					
1-foot level	39.4	46.2	47.7	48.7	42.0
15-foot level	40.5	47.1	50.2	52.4	46.4

*From tower at Hyslop Weather Station. Temperature measuring devices shielded from direct sun.

PERCENT PROBABILITY OF PRECIPITATION EQUAL TO OR EXCEEDING SPECIFIED AMOUNTS
DURING EACH WEEK OF THE YEAR FOR ALBANY, OREGON, 30-YEARS 1928-1957

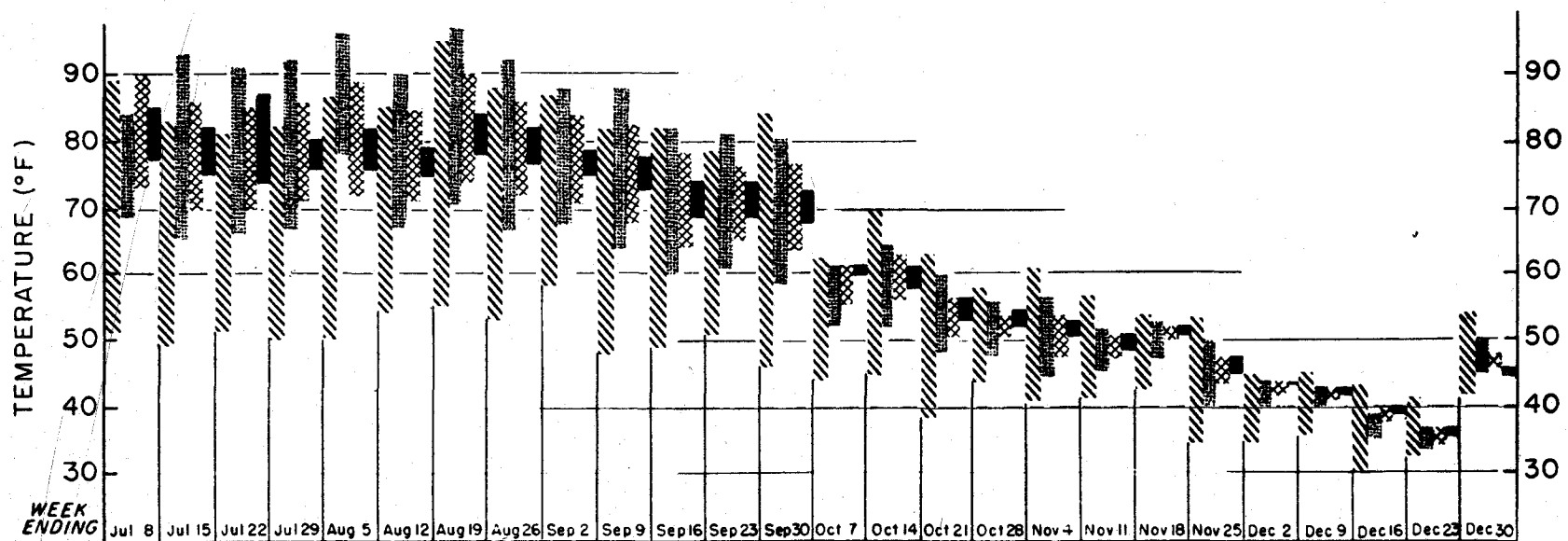
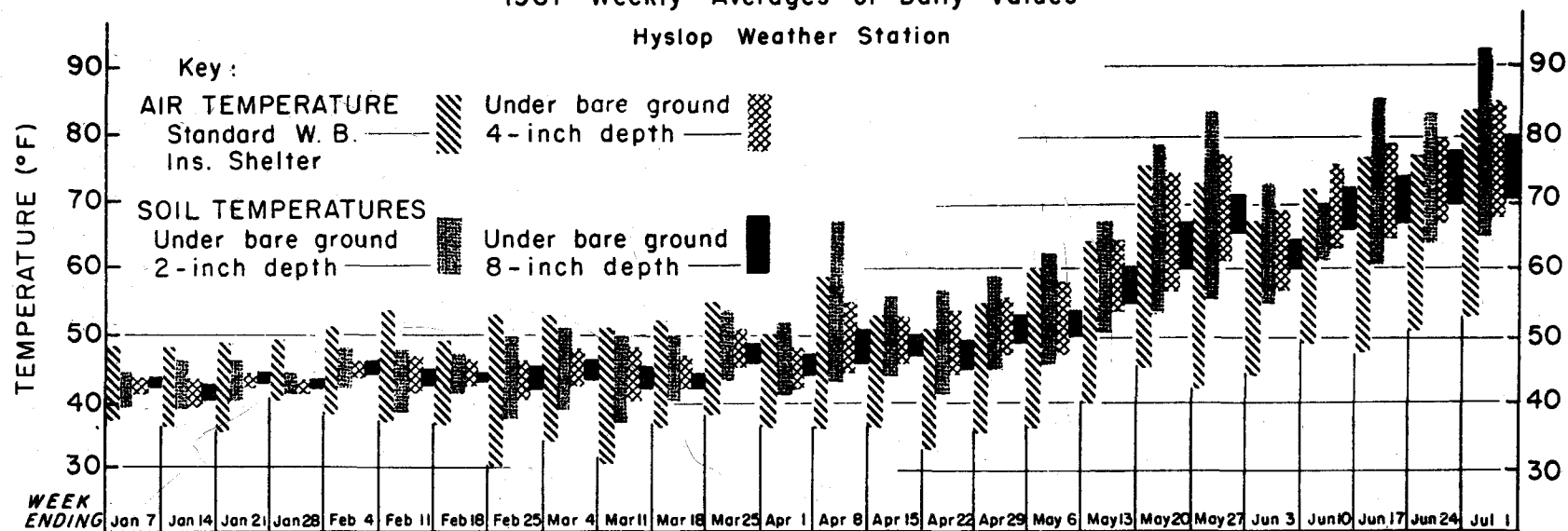
Date	Week No.	0.01	0.10	0.25	0.50	1.00	2.00
Mar 1 to 7	1	87	83	77	63	27	3
Mar 8 to 14	2	97	90	90	83	43	20
Mar 15 to 21	3	93	90	67	57	37	13
Mar 22 to 28	4	97	93	93	83	43	10
Mar 29 to Apr 4	5	97	90	83	67	37	13
Apr 5 to 11	6	83	73	70	50	20	
Apr 12 to 18	7	80	73	60	37	27	3
Apr 19 to 25	8	83	80	50	37	7	
Apr 26 to May 2	9	97	87	67	50	27	
May 3 to 9	10	80	73	57	43	23	7
May 10 to 16	11	77	63	60	33	17	3
May 17 to 23	12	77	63	43	37	17	
May 24 to 30	13	77	70	50	20	3	
May 31 to Jun 6	14	73	60	50	33	7	
Jun 7 to 13	15	73	53	43	20	13	
Jun 14 to 20	16	80	63	63	33	13	7
Jun 21 to 27	17	57	40	30	17	3	
Jun 28 to Jul 4	18	70	43	20	13	3	3
Jul 5 to 11	19	50	30	17	7		
Jul 12 to 18	20	37	13	10	3		
Jul 19 to 25	21	23	10	3			
Jul 26 to Aug 1	22	27	17	10	3	3	3
Aug 2 to 8	23	33	30	17	7		
Aug 9 to 15	24	27	10	3			
Aug 16 to 22	25	20	13	7			
Aug 23 to 29	26	53	30	20	17	7	
Aug 30 to Sep 5	27	60	40	27	13	10	
Sep 6 to 12	28	63	53	40	30	10	
Sep 13 to 19	29	63	50	47	40	10	
Sep 20 to 26	30	60	37	27	23	7	
Sep 27 to Oct 3	31	77	57	47	33	20	3
Oct 4 to 10	32	87	67	60	37	27	7
Oct 11 to 17	33	93	77	63	43	30	7
Oct 18 to 24	34	77	73	67	43	37	30
Oct 25 to 31	35	93	83	80	63	27	13
Nov 1 to 7	36	90	80	77	57	33	23
Nov 8 to 14	37	87	83	73	60	57	17
Nov 15 to 21	38	93	83	80	67	57	37
Nov 22 to 28	39	80	73	63	43	43	27
Nov 29 to Dec 5	40	97	90	83	77	47	30
Dec 6 to 12	41	100	87	80	73	60	37
Dec 13 to 19	42	97	83	77	77	53	20
Dec 20 to 26	43	100	97	90	77	57	30
Dec 27 to Jan 2	44	100	97	93	87	63	40
Jan 3 to 9	45	97	97	87	77	47	20
Jan 10 to 16	46	97	90	80	80	47	17
Jan 17 to 23	47	97	93	87	70	43	27
Jan 24 to 30	48	93	87	73	73	50	20
Jan 31 to Feb 6	49	100	87	80	73	53	30
Feb 7 to 13	50	93	90	90	73	50	27
Feb 14 to 20	51	93	73	67	57	37	10
Feb 21 to 27	52	93	93	83	63	43	20

Example: Analysis of 30 years of record (1928-1957) showed that total precipitation during week 29, Sep 13 to 19, equaled or exceeded .10 inch 15 times, for a 50 percent probability of occurrence. Blanks in the table indicate no occurrence during the 30-year period examined.

MAXIMUM & MINIMUM AIR & SOIL TEMPERATURES

1967 Weekly Averages of Daily Values

Hyslop Weather Station



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

METEOROLOGICAL DATA FOR THE CURRENT YEAR

HYSLOP AGRONOMY FARM
CORVALLIS, OREGON 1969

Month	Temperature							Degree days	Precipitation						Relative humidity				Wind				Evaporation, Inches	Average sky cover sunrise to sunset	Number of days												
	Averages			Extremes					Total	Greatest in 24 hrs.	Date	Snow, Sleet			4:00 AM	10:00 AM	4:00 PM	10:00 PM	Average hourly speed	Prevailing direction	Fastest mile				8:00 AM Observation			Precipitation .01 inch or more	Snow, Sleet, 1.0 or more	Thunderstorms	Heavy fog	Max. temp.		Min. temp.			
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date					Total	Greatest in 24 hrs.	Date							Speed	Direction			Date	Clear	Partly cloudy					Cloudy	90° and above	32° and below	32° and below	Zero and below	
J	39.9	28.4	34.2	59	66	12	28		9.35	1.46	11	24.0	8.0	27	*	*	*	*	4.9	S	18	N	25			2	10	19	21	5			0	4	23	0	
F	46.5	32.1	39.3	55	17	24	7		4.27	1.12	9	T	0		*	*	*	*	4.0	S	16	N	24			2	14	12	16	0			0	0	14	0	
M	57.3	34.1	45.7	74	28	27	14		1.81	.54	18	0	0		*	*	*	*	4.7	N	18	S	16	2.26		6	13	12	8	0			0	0	13	0	
A	58.7	37.6	48.2	70	28	29	13		1.91	.38	29	0	0		*	*	*	*	3.9	S	18	N	12	2.73		8	13	9	17	0			0	0	5	0	
M	70.0	45.8	57.9	87	23	35	4		1.64	.70	19	0	0		93	61	44	78	4.6	N	15	N	7	5.83		7	10	14	13	0			0	0	0	0	
J	74.5	53.6	64.1	97	18	48	26		2.46	.76	23	0	0		94	70	49	82	3.5	S	16	N	16	5.36		17	6	7	9	0			3	0	0	0	
J	78.9	49.7	64.3	93	24	42	31		.05	.05	11	0	0		95	49	35	86	4.2	N	13	N	25	7.61		4	16	11	1	0			3	0	0	0	
A	79.0	47.9	63.5	90	24	42	26		T	T	25	0	0		96	44	33	78	4.3	N	17	S	24	8.13		0	10	21	0	0			2	0	0	0	
S	74.8	48.9	61.9	91	8	38	3		3.62	2.18	17	0	0		92	60	49	82	3.8	N	13	S	30	4.34		5	7	18	8	0			3	0	0	0	
O	60.4	41.3	50.9	73	7	34	25		3.91	.99	8	0	0		93	89	58	88	3.3	N	17	N	12	1.25		7	11	13	16	0			0	0	0	0	
N	52.6	37.2	45.0	69	2	23	30		2.86	1.58	5	0	0		97	92	75	93	2.6	S	21	S	4			7	10	13	9	0			0	0	5	0	
D	46.9	35.9	42.4	60	14	24	2		11.05	2.37	12	0	0		97	91	87	97	3.5	S	22	S	11			21	6	4	27	0			0	2	10	0	
Year	61.6	41.0	51.5	97	Jun 18	12	Jan 12		42.96	2.37	Dec 12	24.0	8.0	Jan 27							N	22	S	11 Dec.	37.51		86	126	153	145	5			11	6	70	0

NORMALS, MEANS, AND EXTREMES

Month	Temperature							Normal degree days	Precipitation										Relative humidity		Wind				Mean Monthly Radiation, Langley	Pct of poss. sunshine	Mean Monthly Evaporation, Inches	Mean number of days																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	Normal			Extremes					Normal total	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Snow, Sleet					Mean hourly speed	Prevailing direction	Speed	Direction				Clear	Partly cloudy	Cloudy	Precipitation 01 inch or more	Snow Sleet, 1.0 or more	Thunderstorms	Heavy fog	Max. temp.	Min. temp.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year									Mean total	Maximum monthly	Year																			Maximum in 24 hrs.	Year																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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(a) Length of record, years.

e 1931-1960 (adjusted to present location)

* Missing Data

Also Earlier Dates

T Trace

Less than 1



U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
LOCAL CLIMATOLOGICAL DATA

HYSLOP AGRONOMY FARM
CORVALLIS, OREGON
January 1969

Latitude 44° 38' N.

Longitude 123° 12' W.

Elevation (ground) 225 ft.

Standard time used

Date	Temperature (°F)				Precipitation		Wind		Soil Temperature			Evaporation		Relative Humidity				Date					
	Maximum	Minimum	Average	Growing Degree Days (Base 40°)	Growing Degree Days (Base 50°)	Total (Water equivalent) (In.)	Snow, Sleet (In.)	Direction	Velocity mph	Maximum/Minimum 2" depth	Maximum/Minimum 4" depth	Maximum/Minimum 8" depth	Open Pan (In.)	Wind Movement					Day Length Sunrise to Sunset Hrs and min.	% 4 a.m.	% 10 a.m.	% 4 p.m.	% 10 p.m.
1	42	14	28	0	0	.37		W	1	*	*	*	*	*				8 54	*	*	*	*	1
2	47	36	42	2	0	.03		N	3			35/34						8 55					2
3	41	35	38	0	0	.12		N	2			35/34						8 56					3
4	48	36	42	2	0	.01		S	5			35/34						8 57					4
5	59	46	53	13	3	0		S	3			41/36						8 58					5
6	59	44	52	12	2	.06		S	6			44/40						8 59					6
7	56	38	47	7	0	.58		S	6			44/41						9 00					7
8	41	30	36	0	0	.27	T	S	7			43/39						9 01					8
9	40	31	36	0	0	.32	T	S	8			38/37						9 03					9
10	42	33	38	0	0	1.05	T	S	9			37/36						9 04					10
11	44	32	38	0	0	1.46	2.0	S	2			38/36						9 05					11
12	41	28	35	0	0	.13		N	2			38/36						9 08					12
13	34	28	31	0	0	.79	3.0	S	3			34/33						9 09					13
14	40	31	36	0	0	.32		S	5			34/32						9 11					14
15	41	29	35	0	0	.47	.5	S	6			34/33						9 12					15
16	41	32	37	0	0	.43	.2	S	7			34/33						9 14					16
17	39	33	36	0	0	.86	T	N	3			34/33						9 16					17
18	42	29	36	0	0	0		N	3			34/33						9 18					18
19	35	30	33	0	0	T		S	2			34/33						9 20					19
20	35	30	33	0	0	0		W	2			34/33						9 22					20
21	40	29	36	0	0	0		N	5			35/34						9 24					21
22	38	27	33	0	0	T	T	N	4			34/33						9 26					22
23	34	23	29	0	0	0	T	N	4			34/33						9 28					23
24	34	18	26	0	0	0		N	8			34/33						9 30					24
25	29	18	24	0	0	.01		N	10			33/32						9 32					25
26	24	20	22	0	0	.81	8.0	S	5			*						9 35					26
27	32	23	28	0	0	.73	8.0	S	5			34/33						9 37					27
28	34	12	23	0	0	.19	2.0	N	3			34/33						9 40					28
29	31	20	26	0	0	.04	T	S	7			34/33						9 42					29
30	35	29	32	0	0	.14	T	S	5			34/33						9 44					30
31	38	30	34	0	0	.17	.3	S	10			34/33						9 47					31
Sum	1236	89.3				9.35	24.0																Sum
Avg	39.9	28.8										36/34											Avg

T in columns 7, 8, 9 and in the Hourly Precipitation table indicates an amount too small to measure.

TEMPERATURE: (°F)

Average monthly 34.2
Departure from normal - 4.2
Highest 59 on 5 & 6
Lowest 12 on 28
Number of days with -
Max. 32° or below 4
Max. 90° or above 0
Min. 32° or below 23
Min. 0° or below 0

TIME OF OBSERVATIONS:

(1) Data tabulated in Columns 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, and 15 are for the 24-hr period ending at 8:00 a.m.

(2) Data tabulated in Columns 9 and 10 are the 24-hr average wind direction and velocity.

*Data not available.

PRECIPITATION: (in.)

Total for the month 9.35
Departure from normal + 2.79
Greatest in 24 hours 1.46 on 11

HOURLY PRECIPITATION (in.)

Date	A. M. Hour ending at												P. M. Hour ending at												Date	
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12		
1																									1	
2													.01	.01									.02	.03	2	
3																									3	
4	.04	.02	.01								.01														4	
5																									5	
6		.01	.01		.02	.01	.01												.01	.06	.06	.05			6	
7	.17	.05	.03	.02	.04	.02	.05	.03	.03	.09	.05	.03	.03					.01							7	
8														.03										.01	8	
9	.02	.03	.03	.02	.04	.12	.05	.01	.06	.08	.17	.07	.12	.10	.08	.02	.01	.03	.06	.05	.01	.02	.03	.04	9	
10				.05	.12	.04	.03	.05	.03	.01	.06	.11	.23			.12	.07	.04	.04						10	
11	.07	.13	.05	*																					11	
12	*																								12	
13	*								.02	.09	.06	.02						.03	.04	.07	.03	.09	.03	.01	13	
14	.01																	.03	.04	.07	.03	.09	.03	.01	14	
15	.08	.04	.02	.03					.01	.05	.03	.01		.01	.01	.05	.11	.06	.05	.01	.01	.01			15	
16	.01					.01												.05	.05	.03	.06	.23	.05		16	
17	.03	.01	.02	.06	.01	.03												.02	.05	.03					17	
18																									18	
19																									19	
20																									20	
21																									21	
22																									22	
23																									23	
24																									24	
25																	.05	.05	.10	.09	.09	.09	.10	.05	.05	25
26	.05	.03	.01									.05		.10	.05	.10	.07	.10	.10	.03	.02	.05	.04			26
27	.02													.04	.10	.05									27	
28	*																		.01		.01		.01		.01	28
29	*																								.01	29
30	*																									30
31	*								.06	.06	.11	.12	.17	.11	.07	.04					.07					31

Corrections, if any, to data in this issue will be published in a later issue.

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USCOMM-WB-Asheville



U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
LOCAL CLIMATOLOGICAL DATA

HYSLOP AGRONOMY FARM
CORVALLIS, OREGON
February 1969

Latitude 44° 38' N. Longitude 123° 12' W. Elevation (ground) 225 ft. Standard time used

Date	Temperature (°F)					Precipitation	Wind	Soil Temperature			Evaporation		Relative Humidity				Date						
	Maximum	Minimum	Average	Growing Degree Days (Base 40°)	Growing Degree Days (Base 50°)	Total (Water equivalent) (In.)	Snow, sleet (In.)	Direction	Velocity mph	Maximum/Minimum 2" depth	Maximum/Minimum 4" depth	Maximum/Minimum 8" depth	Open Pan (In.)	Wind Movement	% 4 a.m.	% 10 a.m.		% 4 p.m.	% 10 p.m.				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	37	31	34	0	0	.75	.5	S	3	*	*	34/37	*	*				9 50	*	*	*	*	1
2	39	29	34	0	0	.21		S	4			34/33					9 52					2	
3	41	33	37	0	0	.09	T	S	1			34/33					9 55					3	
4	45	28	37	0	0			S	3			34/33					9 58					4	
5	40	30	35	0	0	.25		N	5			*					10 01					5	
6	36	30	33	0	0	0		N	6			33/32					10 03					6	
7	41	24	33	0	0	0		S	4			33/32					10 06					7	
8	47	32	40	0	0	.05		S	8			33/32					10 09					8	
9	45	35	40	0	0	1.12		S	4			33/32					10 11					9	
10	43	34	39	0	0	.68		N	2			33/32					10 14					10	
11	47	36	42	2	0	.65		S	2			33/32					10 16					11	
12	49	33	41	1	0	.08		S	2			33/32					10 19					12	
13	45	29	37	0	0	0		N	1			33/32					10 22					13	
14	48	32	40	0	0	.10		N	3			33/32					10 25					14	
15	46	37	42	2	0	.05		S	4			38/36					10 28					15	
16	55	37	46	6	0	.09		N	3			40/36					10 30					16	
17	55	33	44	4	0	0		N	9			41/39					10 34					17	
18	53	32	43	3	0	0		N	6			40/38					10 36					18	
19	52	31	42	2	0	0		N	3			40/38					10 40					19	
20	52	33	43	3	0	.09		S	1			40/38					10 43					20	
21	45	37	41	1	0	0		N	1			40/39					10 45					21	
22	46	30	38	0	0	0		S	2			40/38					10 49					22	
23	49	33	41	1	0	0		S	8			40/38					10 51					23	
24	47	33	40	0	0	.03		N	7			40/38					10 54					24	
25	43	27	35	0	0	T		S	2			38/36					10 58					25	
26	45	30	38	0	0	.03		S	3			38/36					11 01					26	
27	51	35	43	3	0	T		N	9			38/36					11 04					27	
28	49	37	43	3	0	0		N	5			38/35					11 07					28	
29																						29	
30																						30	
31																						31	
Sum	1291	901				4.27	.5																Sum
Avg	46.1	32.2										36/35											Avg

T in columns 7, 8, 9 and in the Hourly Precipitation table indicates an amount too small to measure.

TEMPERATURE: (°F)

Average monthly 39.3
Departure from normal 2.8
Highest 55 on 16 & 17
Lowest 24 on 7
Number of days with —
Max. 32° or below 0
Max. 90° or above 0
Min. 32° or below 14
Min. 0° or below 0

PRECIPITATION: (in.)

Total for the month 4.27
Departure from normal .77
Greatest in 24 hours 1.12 on 9

TIME OF OBSERVATIONS:

- (1) Data tabulated in Columns 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, and 15 are for the 24-hr period ending at 8:00 a.m.
(2) Data tabulated in Columns 9 and 10 are the 24-hr average wind direction and velocity.

*Data not available.

HOURLY PRECIPITATION (in.)

Date	A. M. Hour ending at												P. M. Hour ending at												Date
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
1													.03	.04		.04		.01	.01	.01	.01				1
2									.01	.07	.01	.01													2
3									.01	.01	.01	.01													3
4												.01													4
5													.03	.03	.05	.03	.05	.04	.01						5
6																									6
7																									7
8									.05	.01		.04	.08	.04	.11	.09	.13	.09	.07	.04	.05	.06			8
9			.02		.01	.01	.07	.08	.05	.08	.15	.10	.17	.06	.01		.01	.02	.01						9
10								.01	.06	.12	.11	.05	.04	.04			.01	.03	.01	.03	.02	.01	.04	.05	10
11	.02	.03	.01							.01						.04		.01	.01						11
12																									12
13																									13
14				.01	.05	.03	.01								.02	.01		.04	.03						14
15				.02																					15
16	.02																								16
17																									17
18																									18
19																									19
20	.03	.03	.02	.01																					20
21																									21
22																									22
23																									23
24	*																								24
25	*																								25
26	*																								26
27	*																								27
28	*																								28
29	*																								29
30	*																								30
31	*																								31

*Missing Data
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USCOMM-WB-Asheville



U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
LOCAL CLIMATOLOGICAL DATA

HYSLOP AGRONOMY FARM
CORVALLIS, OREGON
March 1969

Latitude 44° 38' N.

Longitude 123° 12' W.

Elevation (ground)

225 ft.

Standard time used

Date	Temperature (°F)					Precipitation	Wind	Soil Temperature			Evaporation	Relative Humidity				Date			
	Maximum	Minimum	Average	Growing Degree Days (Base 40°)	Growing Degree Days (Base 50°)	Total (Water equivalent) (In.)	Snow, Sleet (In.)	Direction	Velocity mph	Maximum/Minimum 2" depth	Maximum/Minimum 4" depth	Maximum/Minimum 8" depth	Open Pan (In.)	Wind Movement	% 4 a.m.		% 10 a.m.	% 4 p.m.	% 10 p.m.
1	2	3	4	5	6	7	8												
1	53	32	43	3	0			S	3	*	*	38/36	*	*			11 10	*	1
2	54	34	44	4	0			N	1			38/36		50			11 12		2
3	47	38	43	3	0	.19		W	3			38/36		12			11 16		3
4	51	31	41	1	0	T		S	3			38/37		38			11 19		4
5	49	36	43	3	0	.07		S	10			41/37		97			11 22		5
6	48	39	44	4	0	.47		W	6			41/38		150			11 24		6
7	49	32	41	1	0	T		N	2			41/38		80			11 28		7
8	51	30	41	1	0			N	4			42/39		30			11 31		8
9	51	33	42	2	0			N	10			41/39		72			11 34		9
10	51	31	41	1	0			N	8			41/39		115			11 36		10
11	53	27	40	0	0			S	3			41/38	.14	74			11 40		11
12	53	29	41	1	0			N	5			41/38	.08	31			11 43		12
13	55	27	41	1	0			N	2			41/36	.13	61			11 46		13
14	56	27	42	2	0			S	2			41/36	.09	17			11 50		14
15	60	30	45	5	0			S	2			42/38	.09	32			11 52		15
16	67	35	51	11	1	.02		S	6			43/38	.13	39			11 55		16
17	56	42	49	9	0	.44		S	7			44/40	.02	80			11 58		17
18	55	39	47	7	0	.54		S	6			45/42	*	*			12 02		18
19	51	32	42	2	0	.07		N	4			45/42	*	18			12 05		19
20	56	35	46	6	0			N	11			*	.12	34			12 08		20
21	65	38	52	12	2			N	4	58/42		46/44	.19	34			12 11		21
22	65	35	50	10	0			S	7	61/43		48/44	.13	15			12 14		22
23	52	30	41	1	0	.01		N	4	49/40		45/42	.02	105			12 17		23
24	55	38	47	7	0			N	11	58/40		46/43	.15	72			12 20		24
25	67	33	50	10	0			N	4	58/41	53/44	47/43	.25	*			12 24		25
26	69	32	51	11	1			N	1	63/44	56/44	50/45	.14	30			12 27		26
27	73	33	53	13	3			N	2	66/44	59/44	52/48	.02	14			12 29		27
28	74	33	54	14	4			N	1	67/45	60/45	52/48	.16	32			12 32		28
29	72	38	55	15	5			S	2	68/46	61/46	53/48	.13	14			12 36		29
30	63	46	55	15	5			S	5	60/48	55/48	50/50	.07	31			12 39		30
31	69	43	56	16	6	T		S	7	66/50	60/50	53/50	.20	87			12 42		31
Sum	1782	1058				1.81							2.26	52					Sum
Avg	57.5	34.1								61/44	60/58	44/40							Avg

T in columns 7, 8, 9 and in the Hourly Precipitation table indicates an amount too small to measure.

TEMPERATURE: (°F)
Average monthly 45.7
Departure from normal + .3
Highest 74 on 28
Lowest 27 on 11, 13 & 14
Number of days with —
Max. 32° or below 0
Max. 90° or above 0
Min. 32° or below 13
Min. 0° or below 0

PRECIPITATION: (In.)
Total for the month 1.81
Departure from normal - 2.57
Greatest in 24 hours .54 on 18

TIME OF OBSERVATIONS:

- (1) Data tabulated in Columns 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, and 15 are for the 24-hr period ending at 8:00 a.m.
(2) Data tabulated in Columns 9 and 10 are the 24-hr average wind direction and velocity.

† If figures are carried in columns 10 and 13 they indicate directions in tens of degrees from true North; for example, 9 = East, 18 = South, 27 = West, and 36 = North.

*Data not available.

HOURLY PRECIPITATION (In.)

Date	A. M. Hour ending at												P. M. Hour ending at												Date
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
1	*																								1
2	*																								2
3	*																								3
4																									4
5																									5
6	.01	.05				.01	.03	.04		.01	.01		.05	.03		.05	.09	.11	.04	.02	.02	.02			6
7																									7
8																									8
9																									9
10																									10
11																									11
12																									12
13																									13
14	*								*																14
15													.01	.01											15
16									.01	.01	.03	.02	.02			.02	.01	.01	.02			.02			16
17	.01	.04	.06	.04	.13	.03	.01	.01	.01	.03	.02	.03	.02						.01	.01	.02		.02	.07	17
18	.09	.07	.09				.01	.05	.03	.01		.01	.02							.01	.02				18
19																									19
20																									20
21																									21
22																									22
23																									23
24																									24
25																									25
26																									26
27																									27
28																									28
29																									29
30																									30
31												.01													31

Missing Data
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USCOMM-WB-Asheville



U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
LOCAL CLIMATOLOGICAL DATA

HYSLOP AGRONOMY FARM
CORVALLIS, OREGON
April 1969

Latitude 44° 38' N. Longitude 123° 12' W. Elevation (ground) 225 ft. Standard time used

Date	Temperature (°F)					Precipitation		Wind	Soil Temperature			Evaporation					Relative Humidity				Date		
	Maximum	Minimum	Average	Growing Degree Days (Base 40°)	Growing Degree Days (Base 50°)	Total (Water equivalent) (In.)	Snow, Sleet (In.)	Direction	Velocity mph	Maximum/Minimum 2" depth	Maximum/Minimum 4" depth	Maximum/Minimum 8" depth	Open Pan (In.)	Wind Movement				Day Length Sunrise to Sunset Hrs and min.	4 a.m.	10 a.m.		4 p.m.	10 p.m.
																			%	%		%	%
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	60	40	50	10	0	.01		S	6	60/47	55/47	51/49	.15	109				12 45	*	*	*	*	1
2	59	39	49	9	0	.20		N	3	55/47	52/47	49/48	.02	113				12 49					2
3	46	29	38	0	0	.15		S	5	54/42	50/42	48/45	.03	23				12 51					3
4	53	35	44	4	0	.07		N	5	52/47	48/41	45/45	.09	101				12 54					4
5	54	43	47	7	0	.18		W	3	54/48	50/46	46/44	*	68				12 58					5
6	57	31	44	4	0	T		W	5	62/44	55/44	48/45	.01	46				13 01					6
7	57	31	44	4	0	.01		N	2	60/42	58/43	47/43	.03	67				13 04					7
8	60	34	47	7	0			N	1	64/42	57/42	50/43	.12	30				13 07					8
9	65	40	53	13	3			S	2	65/44	58/44	51/44	.11	20				13 10					9
10	54	35	45	5	0	.05		N	2	55/46	51/45	49/47	*	42				13 13					10
11	65	39	52	12	2	T		N	3	66/47	59/45	51/46	.12	36				13 16					11
12	67	43	55	15	5	T		S	9	67/47	60/47	53/48	.12	39				13 19					12
13	59	29	44	4	0	.04		S	4	57/47	53/46	51/48	.15	149				13 23					13
14	56	38	47	7	0	T		W	2	61/47	55/46	50/46	.10	21				13 25					14
15	58	38	48	8	0	T		N	1	63/48	59/47	51/46	.08	41				13 28					15
16	61	34	48	8	0			S	2	67/47	59/48	52/49	.11	16				13 31					16
17	63	43	53	13	3			S	7	63/48	57/47	52/48	.09	44				13 35					17
18	56	42	49	9	0	.15		S	7	56/49	53/48	51/49	.07	111				13 37					18
19	54	45	50	10	0	.01		S	8	59/48	53/47	50/47	.12	138				13 40					19
20	54	31	43	13	3	.13		S	1	57/44	53/43	49/46	.05	69				13 43					20
21	60	38	49	9	0	T		S	3	65/45	57/44	51/45	.10	17				13 46					21
22	69	40	55	15	5			S	3	70/48	62/47	55/49	.16	43				13 49					22
23	62	46	54	14	4	.17		S	7	66/50	60/50	54/52	.11	53				13 51					23
24	56	39	48	18	8	.07		W	4	61/49	56/48	52/50	.06	85				13 54					24
25	53	35	44	4	0	.01		N	2	60/46	55/47	52/49	.07	49				13 57					25
26	59	33	46	6	0			N	2	67/46	60/47	54/49	.13	29				14 00					26
27	67	40	54	14	4			W	3	74/47	65/48	56/49	.16	18				14 03					27
28	70	50	60	20	10	.29		W	5	73/51	66/51	58/52	.17	42				14 06					28
29	52	35	49	9	0	.38		S	5	62/47	56/47	56/51	*	81				14 09					29
30	55	33	44	4	0	.02		N	4	63/45	57/45	52/50	.20	70				14 12					30
31																							31
Sum	1761	1128				1.94							2.73	1770									Sum
Avg	58.7	37.6								62/47	56/46	51/47		59									Avg

T in columns 7, 8, 9 and in the Hourly Precipitation table indicates an amount too small to measure.

TEMPERATURE: (°F)

Average monthly 48.2
Departure from normal - 2.6
Highest 70 on 28
Lowest 29 on 3 & 13
Number of days with -
Max. 32° or below 0
Max. 90° or above 0
Min. 32° or below 5
Min. 0° or below 0

PRECIPITATION: (In.)

Total for the month 1.94
Departure from normal - .26
Greatest in 24 hours .38 on 29

TIME OF OBSERVATIONS:

- (1) Data tabulated in Columns 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, and 15 are for the 24-hr period ending at 8:00 a.m.
(2) Data tabulated in Columns 9 and 10 are the 24-hr average wind direction and velocity.

*Data not available.

HOURLY PRECIPITATION (In.)

Date	A. M. Hour ending at												P. M. Hour ending at												Date
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
1																									1
2																									2
3																									3
4																									4
5																									5
6																									6
7																									7
8																									8
9																									9
10																									10
11																									11
12																									12
13																									13
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16																									16
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24																									24
25																									25
26																									26
27																									27
28																									28
29																									29
30																									30
31																									31

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USCOMM-WB-Asheville



U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
LOCAL CLIMATOLOGICAL DATA

HYSLOP AGRONOMY FARM
CORVALLIS, OREGON
May 1969

Latitude 44° 38' N. Longitude 123° 12' W. Elevation (ground) 225 ft. Standard time used

Date	Temperature (°F)			Precipitation		Wind		Soil Temperature			Evaporation		Relative Humidity						Date				
	Maximum	Minimum	Average	Growing Degree Days (Base 40°)	Growing Degree Days (Base 50°)	Total (Water equivalent) (in.)	Snow, Sleet (in.)	Direction	Velocity mph	Maximum/Minimum 2" depth	Maximum/Minimum 4" depth	Maximum/Minimum 8" depth	Open Pan (in.)	Wind Movement				Day Length Sunrise to Sunset Hrs and min.					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	51	35	43	3	0	T		E	2	58/45	53/45	50/49	.07	*				14 14	98	76	60	98	1
2	54	35	45	5	0	.15		S	2	63/46	57/46	52/49	.07	77				14 17	98	50	60	88	2
3	54	40	47	7	0	.03		N	5	63/49	57/49	52/49	.09	13				14 19	98	76	46	84	3
4	56	35	46	6	0			N	5	65/46	58/47	53/50	.13	59				14 22	98	56	34	90	4
5	66	40	53	13	3			N	6	73/46	65/47	56/49	.18	49				14 24	98	40	42	64	5
6	75	44	60	20	10			N	9	78/50	70/51	59/53	.24	71				14 26	98	39	22	*	6
7	80	52	66	26	16			N	13	80/53	72/54	61/56	.33	108				14 29	*	34	22	37	7
8	87	46	67	27	17			S	4	85/56	75/57	65/58	.36	95				14 32	98	46	46	98	8
9	76	40	58	18	8			E	1	83/57	75/58	65/61	.25	51				14 35	98	60	48	98	9
10	76	43	60	20	10			N	4	82/57	76/58	65/60	.18	22				14 38	98	60	36	64	10
11	78	49	64	24	14			N	5	84/57	75/58	65/60	.22	62				14 40	98	52	25	70	11
12	82	55	69	29	19			N	4	86/60	78/60	68/62	.26	55				14 42	78	42	24	86	12
13	82	46	64	24	14			S	3	87/60	79/62	68/64	.30	25				14 44	98	82	68	98	13
14	60	50	55	15	5	.20		S	3	67/57	64/57	65/60	.07	76				14 46	98	88	62	98	14
15	63	42	53	13	3	.07		N	2	69/54	63/54	60/57	.10	60				14 48	90	60	32	78	15
16	70	44	57	17	7			N	2	80/54	72/54	63/55	.18	19				14 50	98	36	23	54	16
17	78	49	64	24	14			N	7	82/57	75/58	65/58	.25	41				14 52	69	47	29	37	17
18	83	55	69	29	19	.08		S	4	86/59	78/60	68/62	.34	88				14 55	90	92	94	94	18
19	58	49	54	14	4	.70		S	2	65/58	64/57	65/60	*	42				14 57	98	80	84	95	19
20	60	42	51	11	1	.01		N	4	65/55	62/55	59/57	.15	36				14 59	99	68	52	76	20
21	69	49	59	19	9			N	8	74/55	68/55	61/56	.20	76				15 01	98	58	24	37	21
22	84	51	67	27	17			N	3	82/58	74/58	66/59	.34	72				15 03	60	35	24	89	22
23	87	49	68	28	18			S	4	88/60	79/60	70/61	.26	27				15 05	98	60	44	78	23
24	76	50	63	23	13	.01		S	4	84/62	77/63	69/65	.25	64				15 07	97	98	36	94	24
25	68	41	55	15	5	.03		S	3	73/58	68/57	65/61	.12	57				15 08	98	68	42	80	25
26	65	50	58	18	8	.01		S	5	72/59	67/58	62/60	.10	50				15 10	84	49	64	99	26
27	63	49	56	16	6	.07		S	7	72/58	66/58	62/60	.08	79				15 12	96	92	37	90	27
28	65	43	54	14	4	.02		SW	2	73/56	57/59	61/59	.17	80				15 13	98	64	40	67	28
29	69	50	60	20	10			W	6	71/56	67/57	60/58	.13	51				15 14	86	72	74	98	29
30	67	50	59	19	9	.26		N	6	68/59	65/58	61/59	.17	87				15 16	98	63	40	68	30
31	68	47	55	15	5			N	8	79/56	72/57	64/58	.24	64				15 18	92	62	30	30	31
Sum	2170	1420				1.64							5.83										Sum
Avg	70	45.8								75/55	69/56	62/58		59					93	61	44	78	Avg

T in columns 7, 8, 9 and in the Hourly Precipitation table indicates an amount too small to measure.

TEMPERATURE: (°F)
Average monthly 57.9
Departure from normal + 1.3
Highest 87 on 8 & 23
Lowest 35 on 1, 2 & 4
Number of days with —
Max. 32° or below 0
Max. 90° or above 0
Min. 32° or below 0
Min. 0° or below 0

PRECIPITATION: (in.)
Total for the month 1.64
Departure from normal .29
Greatest in 24 hours .70 on 19

TIME OF OBSERVATIONS:

- (1) Data tabulated in Columns 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, and 15 are for the 24-hr period ending at 8:00 a.m.
(2) Data tabulated in Columns 9 and 10 are the 24-hr average wind direction and velocity.

*Data not available.

HOURLY PRECIPITATION (in.)

Date	A. M. Hour ending at												P. M. Hour ending at												Date
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
1									.02		.01	.02	.01	.01	.02	.05									1
2											.01			.01											2
3				.01																					3
4																									4
5																									5
6																									6
7																									7
8																									8
9																									9
10																									10
11																									11
12																									12
13																									13
14	.02	.02		.01	.03	.02	.01	.05	.02				.02	.01								.03	.02	.01	14
15																									15
16																									16
17																									17
18								.08	.07	.02	.01	.04	.08	.05	.04	.01	.01	.35	.02						18
19																.01									19
20																									20
21																									21
22																									22
23									.01	.02	.01														23
24																									24
25															.01										25
26																									26
27								.01		.01	.03	.01	.01	.01											27
28																									28
29																.02	.08	.11	.01	.01	.03				29
30																									30
31																									31

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LOCAL CLIMATOLOGICAL DATA

HYSLOP AGRONOMY FARM
CORVALLIS, OREGON
June 1969

Latitude 44° 38' N. Longitude 123° 12' W. Elevation (ground) 225 ft. Standard time used

Date	Temperature (°F)					Precipitation	Wind		Soil Temperature			Evaporation		Relative Humidity					Date					
	Maximum	Minimum	Average	Growing Degree Days (Base 40°)	Growing Degree Days (Base 50°)	Total (Water equivalent) (in.)	Snow, Sleet (in.)	Direction	Velocity mph	Maximum/Minimum 2" depth	Maximum/Minimum 4" depth	Maximum/Minimum 8" depth	Open Pan (in.)	Wind Movement	Relative Humidity									
															% 4 a.m.	% 10 a.m.	% 4 p.m.	% 10 p.m.						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	78	51	65	25	15			N	7	80/57	73/65	65/59	.78	106				15	19	60	46	21	62	1
2	86	55	71	31	21			N	4	94/63	80/61	70/61	.33	59				15	21	92	50	32	74	2
3	86	57	72	32	22			N	4	92/63	83/64	72/66	.32	50				15	22	94	50	33	86	3
4	90	51	71	31	21			S	3	95/66	85/67	74/67	.32	47				15	23	99	66	52	80	4
5	79	55	67	27	17			S	4	93/66	87/67	73/70	.23	46				15	25	98	59	64	78	5
6	70	57	64	24	14			S	2	83/56	76/66	70/68	.18	57				15	25	76	70	60	94	6
7	66	55	61	21	11			N	3	75/65	70/64	67/65	.14	26				15	26	98	56	45	78	7
8	72	55	64	24	14			S	4	84/65	75/63	73/65	.20	40				15	27	98	59	50	88	8
9	77	59	68	28	18	T		S	3	83/65	76/65	69/66	.13	42				15	28	98	84	74	88	9
10	67	56	62	22	12	.04		S	3	73/64	68/63	62/60	.06	51				15	30	99	80	70	98	10
11	67	55	61	21	11	T		S	3	75/63	70/63	65/64	.10	40				15	30	93	56	51	95	11
12	77	57	67	27	17			S	3	90/63	80/62	70/64	.23	31				15	31	98	72	54	88	12
13	71	54	63	23	13			S	2	81/65	74/66	68/67	.14	36				15	31	98	70	49	98	13
14	76	54	65	25	15			N	2	85/67	78/67	71/68	.16	22				15	32	98	68	34	98	14
15	80	51	66	26	16			N	2	91/67	82/67	72/66	.22	30				15	32	98	80	42	98	15
16	81	50	66	26	16			N	6	89/66	81/67	72/68	.12	19				15	33	98	78	12	30	16
17	93	58	76	36	26			N	4	93/66	84/66	75/68	.45	85				15	33	68	51	20	38	17
18	97	54	76	36	26			S	4	98/69	88/69	77/71	.34	38				15	33	92	76	42	58	18
19	85	54	70	30	20			W	4	95/69	87/70	76/72	.39	59				15	34	98	78	44	60	19
20	75	57	66	26	16			W	3	90/65	80/65	74/69	.23	54				15	34	83	86	56	58	20
21	72	52	62	22	12			N	4	74/63	70/64	68/67	.16	46				15	34	98	74	38	69	21
22	76	52	64	24	14	.03		W	2	79/64	75/64	71/66	.12	51				15	33	94	99	84	92	22
23	68	56	63	23	13	.76		S	6	73/63	69/63	67/65	*	45				15	33	98	90	70	79	23
24	66	53	60	20	10	.10		W	4	70/61	66/60	65/63	*	77				15	33	93	54	54	98	24
25	61	51	56	16	6	.21		W	4	67/60	63/59	62/61	.00	63				15	33	98	82	50	96	25
26	64	48	56	16	6	.09		S	3	69/59	65/57	62/59	.028	60				15	33	98	92	55	98	26
27	62	50	56	16	6	.52		S	3	69/59	63/58	60/60	*	47				15	32	98	64	55	92	27
28	62	51	57	17	7	.35		S	3	70/59	64/58	62/60	.00	56				15	31	98	98	86	98	28
29	58	52	55	15	5	.36		S	3	64/59	60/58	60/60	*	33				15	31	98	56	42	94	29
30	72	49	61	21	11	T		N	4	84/59	71/58	64/58	.23	49				15	30	98	55	35	96	30
31																								31
Sum	2234	1609				2.46							5.36											Sum
Avg	74.5	53.6								82/63	75/63	69/65		49					94	70	49	82		Avg

T in columns 7, 8, 9 and in the Hourly Precipitation table indicates an amount too small to measure.

TEMPERATURE: (°F)

Average monthly 64.1
Departure from normal + 3.0
Highest 97 on 18
Lowest 48 on 26
Number of days with -
Max. 32° or below 0
Max. 90° or above 3
Min. 32° or below 0
Min. 0° or below 0

PRECIPITATION: (in.)

Total for the month 2.46
Departure from normal + 1.15
Greatest in 24 hours .76 on 23

TIME OF OBSERVATIONS:

- (1) Data tabulated in Columns 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, and 15 are for the 24-hr period ending at 8:00 a.m.
(2) Data tabulated in Columns 9 and 10 are the 24-hr average wind direction and velocity.

*Data not available.

HOURLY PRECIPITATION (in.)

Date	A. M. Hour ending at												P. M. Hour ending at												Date
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
1																									1
2																									2
3																									3
4																									4
5																									5
6																									6
7																									7
8																									8
9																									9
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15																									15
16																									16
17																									17
18																									18
19																									19
20																									20
21																									21
22																									22
23	.10	.10	.11	.07	.04	.05	.01	.03	.04	.06	.04	.02	.01						.01			.02	.08		23
24																			.01	.01	.02	.01	.02	.01	24
25	.02	.01	.01	.01	.03	.03	.01				.01	.05	.01												25
26	.01	.01									.04	.22	.04	.08	.03		.02	.01	.02	.01	.06	.01	.02	.01	26
27																			.02						27
28																			.01						28
29																									29
30									.05	.06	.03	.01	.01	.04	.02	.03	.03	.04	.01						30
31																									31

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
LOCAL CLIMATOLOGICAL DATA

HYSLOP AGRONOMY FARM
CORVALLIS, OREGON
July 1969

Latitude 44° 38' N.		Longitude 123° 12' W.		Elevation (ground) 225 ft.		Standard time used																		
Temperature (°F)						Precipitation		Wind		Soil Temperature		Evaporation								Relative Humidity				Date
Date	Maximum	Minimum	Average	Growing Degree Days (Base 40°)	Growing Degree Days (Base 50°)	Total (Water equivalent) (In.)	Snow, Sleet (In.)	Direction	Velocity mph	Maximum/Minimum 2" depth	Maximum/Minimum 4" depth	Maximum/Minimum 8" depth	Open Pan (In.)	Wind Movement				Day Length Sunrise to Sunset Hrs and min.	% 4 a.m.	% 10 p.m.	% 4 a.m.	% 10 p.m.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	79	50	65	25	15			W	3	80/59	73/60	67/62	.22	35				15 30	98	52	50	98	1	
2	79	56	68	28	18			W	4	83/61	76/62	68/64	.32	57				15 29	82	60	50	82	2	
3	68	55	62	22	12			S	2	73/62	67/62	66/64	.14	51				15 29	90	64	50	98	3	
4	69	46	58	18	8			S	2	75/60	69/60	65/62	.13	28				15 27	98	64	48	85	4	
5	73	52	63	23	13			N	5	76/60	70/59	66/62	.16	37				15 27	98	54	38	92	5	
6	74	49	62	22	12			N	3	80/57	74/62	68/64	.25	58				15 26	98	62	46	94	6	
7	72	53	63	23	13			N	3	76/62	71/62	66/62	.13	23				15 24	98	60	42	90	7	
8	74	56	65	25	15			N	5	84/63	76/62	68/62	.21	56				15 23	92	62	43	98	8	
9	78	51	65	25	15			N	2	88/65	80/65	72/66	.25	49				15 22	98	50	36	92	9	
10	85	47	66	26	16			W	4	92/65	85/66	75/68	.26	29				15 21	98	48	56	98	10	
11	78	56	67	27	17	.05		W	3	86/65	79/66	72/69	.11	47				15 19	84	55	46	70	11	
12	69	54	62	22	12			N	3	77/65	73/65	69/67	.16	41				15 18	90	42	40	86	12	
13	70	47	59	19	9			N	5	78/60	73/61	68/61	.17	45				15 16	98	40	30	80	13	
14	76	45	61	21	11			N	4	85/60	78/61	70/63	.23	45				15 15	98	40	32	88	14	
15	74	43	59	19	9			N	4	85/60	77/62	70/66	.24	48				15 14	98	42	22	80	15	
16	78	44	61	21	11			N	3	89/61	81/62	72/66	.26	46				15 12	98	40	22	62	16	
17	80	45	63	23	13			N	3	90/63	82/64	74/63	.27	32				15 10	98	40	24	82	17	
18	82	46	64	24	14			N	5	92/63	84/66	75/69	.26	36				15 09	98	40	24	82	18	
19	85	50	68	28	18			N	3	92/64	83/65	75/68	.33	56				15 07	98	26	20	72	19	
20	90	48	69	29	19			N	7	95/65	86/67	76/68	.32	44				15 05	98	60	32	82	20	
21	79	48	64	24	14			N	8	90/65	84/66	75/70	.33	109				15 03	84	50	38	88	21	
22	79	52	66	26	16			N	7	90/65	81/66	74/67	.26	68				15 01	98	40	24	70	22	
23	91	59	75	35	25			N	5	94/65	84/67	75/70	.36	83				14 59	90	36	26	84	23	
24	93	60	77	37	27			N	3	96/68	87/70	78/72	.33	52				14 57	96	46	26	82	24	
25	89	47	68	28	18			N	8	95/66	87/68	78/72	.32	42				14 55	98	42	30	66	25	
26	76	48	62	22	12			N	5	88/65	81/66	75/70	.31	112				14 53	98	38	24	84	26	
27	88	49	69	29	19			S	4	93/65	85/66	76/69	.25	34				14 51	99	50	37	94	27	
28	80	48	64	24	14			N	4	94/67	85/68	76/70	.36	45				14 49	98	68	44	92	28	
29	75	50	63	23	13			N	7	85/63	78/65	73/70	.10	73				14 47	86	40	24	90	29	
30	81	44	63	23	13			W	3	87/63	81/65	74/69	.26	55				14 45	98	34	26	90	30	
31	83	42	63	23	13			E	2	93/63	83/65	74/69	.31	46				14 42	98	66	43	98	31	
Sum	2447	1540				.05							7.61										Sum	
Avg	78.9	49.7								86/63	80/64	72/67		51					95	49	35	86	Avg	

T in columns 7, 8, 9 and in the Hourly Precipitation table indicates an amount too small to measure.

TEMPERATURE: (°F)
Average monthly 64.3
Departure from normal - 2.1
Highest 93 on 24
Lowest 42 on 31
Number of days with -
Max. 32° or below 0
Max. 90° or above 3
Min. 32° or below 0
Min. 0° or below 0

PRECIPITATION: (In.)
Total for the month .05
Departure from normal -.29
Greatest in 24 hours .05 on 17

TIME OF OBSERVATIONS:

- (1) Data tabulated in Columns 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, and 15 are for the 24-hr period ending at 8:00 a.m.
- (2) Data tabulated in Columns 9 and 10 are the 24-hr average wind direction and velocity.

*Data not available.

HOURLY PRECIPITATION (In.)

Date	A. M. Hour ending at												P. M. Hour ending at												Date
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
1																									1
2																									2
3																									3
4																									4
5																									5
6																									6
7																									7
8																									8
9																									9
10																					.04	.01			10
11																									11
12																									12
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25																									25
26																									26
27																									27
28																									28
29																									29
30																									30
31																									31

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
LOCAL CLIMATOLOGICAL DATA

HYSLOP AGRONOMY FARM
CORVALLIS, OREGON
August 1969

Latitude 44° 38' N. Longitude 123° 12' W. Elevation (ground) 225 ft. Standard time used

Date	Temperature (°F)				Precipitation		Wind		Soil Temperature			Evaporation		Relative Humidity					Date
	Maximum	Minimum	Average	Growing Degree Days (Base 40°)	Growing Degree Days (Base 50°)	Total (Water equivalent) (in.)	Snow, Sleet (in.)	Direction	Velocity mph	Maximum/Minimum 2" depth	Maximum/Minimum 4" depth	Maximum/Minimum 8" depth	Open Pan (in.)	Wind Movement	% 4 a.m.	% 10 a.m.	% 4 p.m.	% 10 p.m.	
1	74	43	58	18	8			N	6	85/63	78/64	72/68	.32	25	98	48	30	84	1
2	81	44	68	28	18			N	3	88/62	81/64	73/68	.33	81	98	42	31	82	2
3	79	45	62	22	12			*	3	92/64	83/65	74/68	.25	45	98	46	32	74	3
4	79	53	66	26	16			W	5	91/67	82/67	74/68	.26	44	98	62	36	88	4
5	71	46	69	29	19			*	4	83/63	76/64	70/66	.23	90	98	40	32	68	5
6	73	47	60	20	10			*	5	84/62	77/63	70/65	.23	69	98	40	24	90	6
7	79	44	62	22	12			N	3	88/62	80/63	72/66	.17	55	98	46	37	77	7
8	75	49	62	22	12			N	6	86/62	78/64	71/68	.33	65	98	47	31	94	8
9	81	45	63	23	13			N	3	88/63	81/65	73/68	.26	56	98	48	33	90	9
10	81	46	64	24	14			N	4	93/64	84/65	74/65	.26	52	98	60	29	86	10
11	80	47	64	24	14			W	2	91/67	82/67	73/68	.32	40	98	48	31	84	11
12	77	45	58	18	8			N	4	75/62	72/63	70/66	.13	28	98	36	34	71	12
13	77	53	65	25	15			N	7	88/62	79/62	71/66	.24	78	98	38	29	82	13
14	87	54	71	31	21			N	4	92/65	83/66	73/64	.30	68	98	49	48	64	14
15	90	52	71	31	21			W	3	96/67	86/68	75/70	.33	55	98	35	24	54	15
16	73	44	59	19	9			N	10	83/62	77/64	72/68	.19	77	98	34	27	62	16
17	74	49	62	22	12			N	5	85/62	77/64	71/65	.38	121	98	40	46	90	17
18	89	52	71	31	21			W	3	92/62	82/64	73/66	.31	48	98	38	42	84	18
19	80	51	66	26	16			S	3	90/66	82/67	75/68	.26	51	98	33	37	99	19
20	80	48	64	24	14			W	3	92/64	84/67	75/70	.26	136	98	42	34	61	20
21	84	49	67	27	17			N	5	93/65	85/76	75/70	.27	46	98	38	20	78	21
22	82	51	67	27	17			N	5	91/65	83/67	75/64	.32	73	98	28	28	76	22
23	88	51	70	30	20			S	4	93/67	85/70	77/70	.20	47	98	36	39	94	23
24	90	50	70	30	20			S	6	95/66	86/68	78/70	.42	58	98	44	32	91	24
25	77	53	65	25	15			N	3	86/66	78/67	73/69	.25	86	98	42	44	82	25
26	76	42	59	19	9			S	4	88/63	80/64	73/68	.25	32	98	40	41	82	26
27	76	44	60	20	10			W	3	87/62	77/63	71/65	.22	60	98	39	29	80	27
28	73	47	60	20	10			N	4	85/61	76/62	70/66	.20	48	98	38	29	80	28
29	73	44	59	19	9			N	4	82/60	76/62	70/68	.22	54	98	39	22	63	29
30	77	45	61	21	11			N	5	86/60	78/62	70/65	.23	41	98	40	25	64	30
31	81	51	66	26	16			N	7	89/63	82/65	74/68	.19	81	98	38	24	46	31
Sum	2449	2484				T				88/64	78/65	73/67	8.13		96	44	33	78	Sum
Avg	79.0	47.9																	Avg

T in columns 7, 8, 9 and in the Hourly Precipitation table indicates an amount too small to measure.

TEMPERATURE: (°F)

Average monthly 63.5
Departure from normal - 2.6
Highest 90 on 15 & 24
Lowest 42 on 26
Number of days with -
Max. 32° or below 0
Max. 90° or above 2
Min. 32° or below 0
Min. 0° or below 0

PRECIPITATION: (In.)

Total for the month Trace
Departure from normal .41
Greatest in 24 hours T on 25

TIME OF OBSERVATIONS:

- (1) Data tabulated in Columns 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, and 15 are for the 24-hr period ending at 8:00 a.m.
(2) Data tabulated in Columns 9 and 10 are the 24-hr average wind direction and velocity.

HOURLY PRECIPITATION (In.)

*Data not available.

Date	A. M. Hour ending at												P. M. Hour ending at												Date
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
1																									1
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29																									29
30																									30
31																									31

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
LOCAL CLIMATOLOGICAL DATA

HYSLOP AGRONOMY FARM
CORVALLIS, OREGON
September 1969

Latitude 44° 38' N.		Longitude 123° 12' W.		Elevation (ground) 225 ft.		Standard time used																		
Date	Temperature (°F)			Precipitation		Wind		Soil Temperature			Evaporation		Relative Humidity						Day Length Sunrise to Sunset Hrs and min.	Date				
	Maximum	Minimum	Average	Growing Degree Days (Base 40°)	Growing Degree Days (Base 50°)	Total (Water equivalent) (In.)	Snow, Sleet (In.)	Direction	Velocity mph	Maximum/Minimum 2" depth	Maximum/Minimum 4" depth	Maximum/Minimum 8" depth	Open Pan (In.)	Wind Movement	4 a.m.	10 a.m.	4 p.m.	10 p.m.						
1	88	51	70	30	20			N	3	90/64	82/66	74/69	.34	72					13 14	80	30	28	92	1
2	91	44	68	28	18			N	4	94/64	85/66	75/70	.28	31					13 12	99	44	45	76	2
3	77	38	58	18	8			N	4	84/60	78/62	73/67	.22	50					13 09	99	35	43	60	3
4	69	45	57	17	7			N	3	80/61	74/63	69/66	.22	47					13 06	86	84	38	80	4
5	69	44	57	17	7			N	6	80/59	74/61	69/65	.19	54					13 03	94	43	26	65	5
6	73	46	60	20	10			N	6	82/60	76/61	70/64	.26	66					13 00	98	38	21	46	6
7	83	50	67	27	17			N	5	85/60	77/61	70/62	.34	83					12 57	80	27	17	39	7
8	91	59	75	35	25			N	3	90/60	82/65	72/67	.31	50					12 54	63	49	22	85	8
9	85	47	66	26	16			N	2	84/63	77/65	71/67	.13	30					12 51	99	53	35	88	9
10	80	49	65	25	15			N	5	86/62	79/64	72/68	.18	24					12 48	99	40	23	38	10
11	90	48	69	29	19			N	3	88/63	80/65	72/68	.33	75					12 45	77	34	24	82	11
12	89	47	69	29	19			N	4	90/64	83/67	75/71	.24	30					12 42	98	50	32	90	12
13	82	52	67	27	17	T		W	3	90/64	81/66	74/70	.22	60					12 39	96	68	31	80	13
14	73	42	58	18	8			W	6	83/58	76/60	71/66	.18	47					12 36	99	46	26	56	14
15	70	42	56	16	6			N	4	81/58	75/60	69/65	.26	100					12 32	82	28	42	76	15
16	74	45	60	20	10			N	3	83/58	76/60	69/65	.09	24					12 29	72	32	98	88	16
17	73	53	63	23	13	.15		S	4	75/63	70/63	66/65	.00	43					12 27	98	70	98	98	17
18	70	54	62	22	12	2.18		S	5	70/61	65/60	64/63	.00	53					12 24	98	53	99	98	18
19	67	54	61	21	11	.59		S	3	67/61	63/60	62/62	.00	90					12 21	98	94	80	98	19
20	63	52	58	18	8	.27		S	2	64/59	62/59	61/60	.00	36					12 18	98	67	70	98	20
21	64	47	56	16	6	.01		S	3	67/57	64/57	61/59	.05	29					12 14	98	52	64	96	21
22	65	52	59	19	9	T		S	4	65/56	62/55	60/58	.06	34					12 11	98	70	54	98	22
23	68	54	61	21	11	.38		S	4	68/58	64/58	61/60	.00	67					12 08	98	98	42	95	23
24	69	49	59	19	9			S	4	70/57	65/57	60/59	.10	42					12 05	99	82	39	70	24
25	73	51	62	22	12	T		N	3	72/57	66/57	61/58	.10	58					12 02	98	72	57	94	25
26	67	50	59	19	9			N	5	68/55	65/56	61/59	.10	57					11 58	80	74	46	98	26
27	69	46	58	18	8			N	1	70/55	66/56	61/58	.11	34					11 56	98	98	67	98	27
28	67	49	58	18	8	.01		S	1	67/56	63/56	60/58	.00	17					11 53	98	98	45	92	28
29	76	54	65	25	15			W	3	75/58	68/57	63/59	.20	13					11 50	98	70	46	82	29
30	69	54	62	22	12	.03		S	7	70/60	65/58	61/60	.17	64					11 47	94	96	99	98	30
31																								31
Sum	2244	1468				3.62							4.34											Sum
Avg	74.8	48.9								78/60	72/61	67/64		49						92	60	49	82	Avg

T in columns 7, 8, 9 and in the Hourly Precipitation table indicates an amount too small to measure.

TEMPERATURE: (°F)

Average monthly 61.9
Departure from normal .2
Highest 91 on 2 & 8
Lowest 38 on 3
Number of days with —
Max. 32° or below 0
Max. 90° or above 3
Min. 32° or below 0
Min. 0° or below 0

PRECIPITATION: (In.)

Total for the month 3.62
Departure from normal + 2.28
Greatest in 24 hours 2.18 on 17

TIME OF OBSERVATIONS:

(1) Data tabulated in Columns 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, and 15 are for the 24-hr period ending at 8:00 a.m.

(2) Data tabulated in Columns 9 and 10 are the 24-hr average wind direction and velocity.

*Data not available.

HOURLY PRECIPITATION (In.)

Date	A. M. Hour ending at												P. M. Hour ending at												Date
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
1																									1
2																									2
3																									3
4																									4
5																									5
6																									6
7																									7
8																									8
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12																									12
13																									13
14																									14
15																									15
16																									16
17																									17
18	.01			.01	.05	.06	.01	.01	.04	.03	.01		.01		.03	.55	.29	.19	.37	.27	.25	.09	.03		18
19	.01	.12	.04	.04	.04	.05	.04	.01	.01	.08	.05	.10	.02			.04	.02	.04	.02		.12				19
20																									20
21																									21
22							.01											.01	.04	.03	.01				22
23	.01	.02	.04	.15	.05	.01	.01																		23
24																									24
25																									25
26																									26
27																									27
28	.01																								28
29																							.01		29
30				.01	.01	.01			.01	.04	.02	.02	.04	.04	.04										30
31																									31

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HYSLIP AGRONOMY FARM
CORVALLIS, OREGON
October 1969

Latitude 44° 38' N. Longitude 123° 12' W. Elevation (ground) 225 ft. Standard time used

Date	Temperature (°F)			Precipitation		Wind		Soil Temperature			Evaporation		Relative Humidity					Date					
	Maximum	Minimum	Average	Growing Degree Days (Base 40°)	Growing Degree Days (Base 50°)	Total (Water equivalent) (In.)	Snow, Sleet (In.)	Direction	Velocity mph	Maximum/Minimum 2" depth	Maximum/Minimum 4" depth	Maximum/Minimum 8" depth	Open Pan (In.)	Wind Movement					Day Length Sunrise to Sunset Hrs and min.	% 4 a.m.	% 10 a.m.	% 4 p.m.	% 10 p.m.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	62	50	56	16	6	.21		W	6	62/57	60/56	59/58	0	73				11 43	98	98	52	87	1
2	64	45	55	15	5	.52		W	4	63/54	59/54	58/56	0	83				11 40	98	90	48	98	2
3	63	39	51	11	1	.06		N	3	65/51	60/51	57/54	.04	40				11 37	98	98	42	81	3
4	62	37	50	10	0			N	5	65/50	60/50	56/54	.11	43				11 35	88	98	45	60	4
5	64	41	53	13	3			N	3	64/49	60/50	56/52	.12	65				11 31	94	52	30	98	5
6	69	36	53	13	3			S	1	67/49	61/50	56/53	.11	26				11 28	98	75	32	96	6
7	73	37	55	15	5	.01		W	2	68/49	63/50	57/54	.06	14				11 25	99	92	62	98	7
8	62	49	56	16	6	.99		S	5	60/54	56/54	55/55	0	*				11 23	98	98	72	93	8
9	61	48	55	15	5	.15		S	2	62/53	58/53	55/55	0	*				11 19	98	98	82	98	9
10	57	42	50	10	0	.20		N	3	58/51	55/50	54/53	0	30				11 16	98	98	58	93	10
11	58	38	48	8	0			N	8	63/47	57/48	54/52	.07	40				11 13	96	80	42	62	11
12	63	43	53	13	3			N	12	61/47	57/47	53/51	.13	112				11 11	97	36	16	30	12
13	60	38	49	9	0			N	10	57/47	54/47	52/49	.14	155				11 07	34	43	20	38	13
14	64	38	51	11	1			N	6	55/42	52/43	49/47	.17	106				11 04	42	70	30	63	14
15	60	37	49	9	0			S	3	57/42	53/43	50/47	.13	61				11 01	49	96	63	98	15
16	51	44	48	8	0	.36		S	1	52/45	49/45	48/47	0	15				10 58	98	98	75	98	16
17	57	41	49	9	0	.24		N	1	53/48	52/48	50/49	0	27				10 55	98	98	59	98	17
18	58	36	47	7	0	T		S	1	59/47	55/42	51/50	.05	16				10 52	99	99	74	98	18
19	56	36	46	6	0			S	1	56/47	53/47	50/49	.03	12				10 49	100	100	66	93	19
20	56	39	48	8	0			N	1	58/47	53/47	50/50	.03	11				10 46	100	100	50	99	20
21	65	40	53	13	3			Calm		62/48	56/48	50/48	.04	10				10 44	99	99	65	98	21
22	64	43	54	14	4	.02		E	1	62/50	57/50	51/50	.02	05				10 40	98	98	80	98	22
23	60	49	55	15	5			N	1	60/53	55/51	52/52	.02	13				10 37	98	72	87	98	23
24	59	40	50	10	0	.08		S	3	60/49	56/49	57/51	0	15				10 35	98	96	42	97	24
25	58	34	46	6	0	.04		N	2	58/47	54/47	51/50	.03	32				10 31	98	98	75	98	25
26	54	39	47	7	0			S	1	54/47	51/47	51/49	.03	26				10 29	98	98	68	98	26
27	54	43	49	9	0	.69		S	6	54/47	51/47	50/48	0	19				10 26	88	68	75	94	27
28	57	46	52	12	2	.15		S	3	56/50	53/50	50/50	0	96				10 23	99	99	60	99	28
29	60	45	53	13	3	.16		S	2	59/51	55/50	51/50	0	34				10 20	99	98	62	98	29
30	62	48	55	15	5			N	2	60/52	55/50	52/51	.03	19				10 18	98	98	88	98	30
31	60	43	52	12	2	.03		N	4	60/51	56/51	52/51	0	*				10 14	98	98	62	80	31
Sum	1873	1281				3.91							1.36										Sum
Avg	60.4	41								60/49	56/49	53/51		43					93	89	58	88	Avg

T in columns 7, 8, 9 and in the Hourly Precipitation table indicates an amount too small to measure.

TEMPERATURE: (°F)

Average monthly 50.9
Departure from normal - 2.7
Highest 73 on 7
Lowest 34 on 25
Number of days with -
Max. 32° or below 0
Max. 90° or above 0
Min. 32° or below 0
Min. 0° or below 0

PRECIPITATION: (In.)

Total for the month 3.91
Departure from normal + .13
Greatest in 24 hours .99 on 8

TIME OF OBSERVATIONS:

- Data tabulated in Columns 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, and 15 are for the 24-hr period ending at 8:00 a.m.
- Data tabulated in Columns 9 and 10 are the 24-hr average wind direction and velocity.

*Data not available.

HOURLY PRECIPITATION (In.)

Date	A. M. Hour ending at												P. M. Hour ending at												Date
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
1																									1
2		.01	.14	.02	.03			.03	.01	.08	.11	.07	.04								.01				2
3																									3
4																									4
5																									5
6																									6
7						.01																			7
8			.02	.18	.09	.03	.04	.02	.03				.04	.01		.04	.38	.07	.05	.07		.02			8
9				.01		.03								.06	.03	.01	.03	.01	.04	.01	.01				9
10																									10
11																									11
12																									12
13																									13
14																									14
15									.03										.03	.10	.09	.03	.06	.01	15
16	.01								.04	.05	.03					.07	.05								16
17																									17
18																									18
19																									19
20																									20
21																									21
22																									22
23																.02									23
24																	.02								24
25	*						.06																		25
26																									26
27	.10	.18	.06	.03												.03	.12	.07	.05	.02	.03				27
28	.03			.01	.03	.01												.02		.01		.02		.02	28
29					.03	.03	.02	.04														.01	.03		29
30																									30
31	*																								31

* Missing Data.
Corrections, if any, to data in this issue will be published in a later issue.

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USCOMM-WB-Asheville



U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
LOCAL CLIMATOLOGICAL DATA

HYSLOP AGRONOMY FARM
CORVALLIS, OREGON
November 1969

Latitude 44° 38' N. Longitude 123° 12' W. Elevation (ground) 225 ft. Standard time used

Date	Temperature (°F)					Precipitation	Wind	Soil Temperature		Evaporation	Relative Humidity				Day Length Sunrise to Sunset Hrs and min.	Date				
	Maximum	Minimum	Average	Growing Degree Days (Base 40°)	Growing Degree Days (Base 50°)	Total (Water equivalent) (In.)	Snow, Sleet (In.)	Direction	Velocity mph	Maximum/Minimum 2" depth	Maximum/Minimum 4" depth	Maximum/Minimum 8" depth	Open Pan (In.)	Wind Movement			% 4 a.m.	% 10 a.m.	% 4 p.m.	% 10 p.m.
1	64	40	52	12	2			N	2	60/50	56/50	52/51	*	*	98	98	56	92	24	
2	69	42	56	16	6			S	1	60/50	56/50	52/50			10	09	99	99	1	
3	60	43	52	12	2			S	1	58/50	55/50	52/51			10	06	99	98	2	
4	63	50	57	17	7			S	7	61/54	57/52	53/52			10	04	98	96	3	
5	59	45	52	12	2	1.58		S	11	57/50	55/50	51/50			10	00	84	60	4	
6	56	44	50	10	0	1.19		S	5	51/48	50/48	50/50			9	58	80	68	5	
7	55	43	49	9	0	1.06		S	2	54/48	51/48	49/48			9	56	80	68	6	
8	59	44	52	12	2			N	1	53/47	52/47	49/48			9	52	98	90	7	
9	55	44	50	10	0			N	1	55/48	52/49	50/49			9	50	99	87	8	
10	60	39	50	10	0			N	2	58/48	54/48	51/49			9	48	99	100	9	
11	59	39	49	9	0			N	3	57/46	53/47	50/49			9	45	100	86	10	
12	57	36	47	7	0			E	1	56/46	52/46	49/48			9	43	100	99	11	
13	51	40	46	6	0			N	3	54/48	50/48	49/49			9	41	98	98	12	
14	53	39	46	6	0			S	2	54/47	50/47	48/48			9	38	98	98	13	
15	46	40	43	3	0	.01		S	3	51/48	49/48	48/48			9	36	98	98	14	
16	53	38	46	6	0	.23		SW	4	52/45	49/45	48/46			9	34	99	92	15	
17	48	38	43	3	0	.04		S	3	48/41	46/42	46/45			9	31	100	100	16	
18	51	36	44	4	0	.02		N	1	49/42	46/42	44/43			9	29	100	99	17	
19	46	34	40	0	0			*	1	46/42	44/42	44/44			9	27	98	98	18	
20	53	35	44	4	0			S	1	50/42	46/42	44/44			9	25	98	80	19	
21	47	37	42	2	0	.69		S	2	46/42	45/42	43/42			9	22	98	98	20	
22	51	40	46	6	0	T		E	1	50/45	48/45	45/44			9	21	98	96	21	
23	45	34	40	0	0			S	3	48/44	46/44	44/44			9	19	99	80	22	
24	52	36	44	4	0			N	4	48/42	46/42	44/44			9	17	99	99	23	
25	42	37	40	0	0			N	3	44/42	43/42	44/44			9	15	99	99	24	
26	40	31	36	0	0			N	6	44/41	42/41	43/43			9	13	98	89	25	
27	52	26	39	0	0			N	1	48/38	45/38	42/41			9	12	98	85	26	
28	48	24	36	0	0			N	1	45/37	42/37	40/40			9	10	98	98	27	
29	46	23	35	0	0			S	1	43/36	40/36	41/40			9	09	98	98	28	
30	38	23	31	0	0			S	1	40/36	38/36	38/36			9	06	98	98	29	
31																			30	
Sum	1578	1120				2.86													Sum	
Avg	50.9	36.1								51/45	49/45	47/46				97	92	75	93	Avg

T in columns 7, 8, 9 and in the Hourly Precipitation table indicates an amount too small to measure.

TEMPERATURE: (°F)
Average monthly 45.0
Departure from normal + .3
Highest 69 on 2
Lowest 23 on 29 & 30
Number of days with —
Max. 32° or below 0
Max. 90° or above 0
Min. 32° or below 5
Min. 0° or below 0

PRECIPITATION: (In.)
Total for the month 2.86
Departure from normal - 2.87
Greatest in 24 hours 1.58 on 5

TIME OF OBSERVATIONS:

(1) Data tabulated in Columns 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, and 15 are for the 24-hr period ending at 8:00 a.m.

(2) Data tabulated in Columns 9 and 10 are the 24-hr average wind direction and velocity.

*Data not available.

HOURLY PRECIPITATION (In.)

Date	A. M. Hour ending at												P. M. Hour ending at												Date
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
1																									1
2																									2
3																									3
4							.01	.03	.18	.23	.27	.40	.12	.02	.11	.03	.08	.07		.02					4
5	.02	.03											.10	.03	.01										5
6													.05												6
7													.05												7
8																									8
9																									9
10																									10
11																									11
12																									12
13																									13
14																									14
15						.01						.03	.01	.04	.04	.02			.03	.06					15
16									.01																16
17									.02																17
18																									18
19																									19
20																									20
21	.05				.01	.02	.06								.02	.04			.10	.11	.11	.04	.05	.08	21
22																									22
23																									23
24																									24
25																									25
26																									26
27																									27
28																									28
29																									29
30																									30
31																									31

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USCOMM-WB-Asheville



U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
LOCAL CLIMATOLOGICAL DATA

HYSLOP AGRONOMY FARM
CORVALLIS, OREGON
December 1969

Latitude 44° 38' N. Longitude 123° 12' W. Elevation (ground) 225 ft. Standard time used

Date	Temperature (°F)						Precipitation	Wind	Soil Temperature				Evaporation		Relative Humidity				Date					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		19	20	21	22	23
	N	Maximum	Minimum	Average	Growing Degree Days (Base 40°)	Growing Degree Days (Base 50°)	Total (Water equivalent) (In.)	Snow, Sleet (In.)	Direction	Velocity mph	Maximum/Minimum 2" depth	Maximum/Minimum 4" depth	Maximum/Minimum 8" depth	Open Pan (In.)	Wind Movement				Day Length Sunrise to Sunset Hrs and min.	% 4 a.m.	% 10 a.m.	% 4 p.m.	% 10 p.m.	
1		32	25	29	0	0			W	1	38/36	37/36	38/37	*	*				9 05	99	99	99	99	1
2		32	24	28	0	0			Calm	0	38/36	37/36	38/38						9 04	99	99	99	99	2
3		33	26	30	0	0			S	1	39/37	38/37	38/38						9 02	99	99	99	99	3
4		38	28	33	0	0	.19		S	3	38/36	37/36	38/38						9 01	99	99	89	99	4
5		50	30	40	0	0	.02		N	4	44/36	41/36	38/38						9 00	99	95	90	96	5
6		42	30	36	0	0	.12		N	2	43/40	41/40	39/39						8 59	99	99	99	99	6
7		45	38	42	2	0	.09		N	4	43/40	42/40	40/40						8 57	99	99	99	99	7
8		44	40	42	2	0	.29		S	2	44/42	43/42	41/40						8 56	99	98	84	99	8
9		54	37	46	6	0	.57		S	3	48/42	45/42	42/41						8 55	99	99	82	99	9
10		46	31	39	0	0	.22		S	6	45/38	43/38	41/40						8 54	99	70	86	99	10
11		52	38	45	5	0	.42		S	10	44/39	42/39	41/40						8 53	99	70	76	95	11
12		53	39	46	6	0	2.37		S	5	46/43	44/43	43/42						8 52	94	96	96	99	12
13		53	39	46	6	0	.35		N	3	49/45	46/45	44/43						8 52	99	90	91	99	13
14		60	46	53	13	3	1.17		S	4	51/45	48/45	45/42						8 52	99	76	50	99	14
15		53	31	42	2	0	.02		N	3	49/40	47/40	45/44						8 51	99	99	83	99	15
16		47	35	41	1	0	.22		S	3	46/41	43/41	43/43						8 50	99	99	74	99	16
17		50	38	44	4	0	.24		N	3	46/41	43/41	42/41						8 50	99	99	94	99	17
18		48	42	45	5	0	.41		N	6	45/41	43/42	42/42						8 50	99	99	99	79	18
19		50	42	46	6	0	.14		S	4	50/45	46/45	43/42						8 49	70	99	99	99	19
20		51	44	48	8	0	.35		N	3	47/45	45/44	43/43						8 50	99	99	99	99	20
21		50	46	48	8	0	1.35		S	3	47/45	45/44	44/44						8 49	99	94	52	99	21
22		53	39	46	6	0	.02		S	8	50/44	47/44	44/44						8 50	74	65	87	99	22
23		47	39	43	3	0	1.18		S	3	45/41	43/41	44/43						8 49	99	99	78	99	23
24		48	39	44	4	0	.32		S	3	45/41	43/41	43/43						8 50	99	99	88	99	24
25		49	38	44	4	0	.11		S	8	47/42	44/41	42/42						8 49	99	99	88	99	25
26		51	40	46	6	0	.59		S	4	45/42	43/42	42/42						8 50	96	96	84	99	26
27		43	30	37	0	0	.20		S	2	44/38	42/38	42/40						8 51	99	99	87	99	27
28		43	30	37	0	0	.07		N	2	42/38	40/38	40/39						8 51	95	99	67	99	28
29		48	33	41	1	0	.02		N	1	46/38	43/38	40/39						8 51	99	99	98	99	29
30		44	36	40	0	0	0		NE	1	44/38	41/38	40/40						8 52	90	85	78	88	30
31		44	39	42	2	0	0		N	2	44/41	42/41	40/40						8 53	97	92	81	86	31
Sum		1453	1112				11.05																	Sum
Avg		47	35.9								45/41	43/40	41/41							97	91	87	97	Avg

* In columns 7, 8, 9 and in the Hourly Precipitation table indicates an amount too small to measure.

TEMPERATURE: (°F)
Average monthly 42.4
Departure from normal + 1.4
Highest 60 on 14
Lowest 24 on 2
Number of days with -
Max. 32° or below 2
Max. 90° or above 0
Min. 32° or below 10
Min. 0° or below 0

PRECIPITATION: (In.)
Total for the month 11.05
Departure from normal + 4.00
Greatest in 24 hours 2.37 on 12

TIME OF OBSERVATIONS:

(1) Data tabulated in Columns 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, and 15 are for the 24-hr period ending at 8:00 a.m.

(2) Data tabulated in Columns 9 and 10 are the 24-hr average wind direction and velocity.

*Data not available.

HOURLY PRECIPITATION (In.)

Date	A. M. Hour ending at												P. M. Hour ending at												Date	
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12		
1																									1	
2																									2	
3													.01	.01	.02	.03		.01	.01	.01		.03	.02		3	
4	.01	.01											.01	.01											4	
5																									5	
6		.05	.01	.01	.03	.01	.01	.01	.02	.01	.02	.02	.01												6	
7																									7	
8		.02	.05	.07	.08	.03	.02					.02	.08	.10		.13			.04	.14	.04	.02			8	
9						.03	.06	.03				.01	.04	.01	.01										9	
10				.01	.01	.04	.04					.01	.04	.06	.12		.01	.04	.01		.01			.01	10	
11	.01	.02	.03	.01	.04							.02	.16	.28	.25	.20	.25	.16	.03	.23	.32	.04			11	
12		.04		.04	.03	.13	.04	.15	.03	.07	.04	.03		.02	.05	.01									12	
13			.01	.01	.07	.01								.02		.02	.12	.23	.11	.25	.13	.09	.08	.06	.01	13
14	.03	.03	.02																						14	
15				.01	.01																				15	
16			.01	.02	.10	.02	.04	.03	.13	.10	.01								.01	.01	.01		.01	.03	.04	16
17																									17	
18	.15	.08	.01		.02	.01	.02												.01	.01					18	
19					.03	.03	.08											.04		.01					19	
20				.03	.01	.02	.01	.08					.04	.02	.03	.05	.02	.04	.05	.05	.12	.07	.11	.13	.15	20
21	.09	.08	.07	.05	.02	.06	.04	.03						.04	.08	.06	.12	.17	.18	.08	.18	.18				21
22										.03	.05	.01														22
23														.04			.10	.12	.10							23
24													.01	.01	.02											24
25						.05	.02							.03	.03	.04	.02	.01	.03	.04	.05	.02	.04	.07	.05	25
26		.02	.03	.02			.04	.02	.01	.02	.11	.06														26
27																	.01	.01	.03	.02						27
28																										28
29																						.01	.01			29
30																										30
31																										31

Corrections, if any, to data in this issue will be published in a later issue.

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The Daily Extreme Values of Temperature and Precipitation
Since 1890 through 1969 at Corvallis, Oregon

Month of 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	1959	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	11	1937	2.00	1942
8	60	1962	10	09, 37	1.36	1953
9	56	33, 45, 53	6	1909	1.38	1959
10	57	1953	12	1909	1.53	1950
11	59	1928	0	1909	1.46	1969
12	57	1945	1	1909	2.55	1936
13	55	04, 19	12	09, 30	2.52	1901
14	56	1970	13	1930	1.13	1915
15	57	1961	7	1907	1.45	1937
16	60	1958	17	1907	1.16	1954
17	58	1919	15	1916	3.40	1911
18	60	1919	11	1950	2.25	1911
19	58	1961	8	1916	1.38	1953
20	60	1968	12	1949	2.00	1964
21	61	1968	4	1930	1.78	1914
22	62	1931	11	1927	.75	1970
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	1.27	1942
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	1940	12	1957	.75	1958
31	60	40, 60	-1	1950	1.29	1958

The Daily Extreme Values of Temperature and Precipitation
Since 1890 through 1969 at Corvallis, Oregon

Month of 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	12	1950	1.23	1947
2	59	1960	3	1950	1.25	1925
3	62	1917	1	1950	1.78	1942
4	61	1928	12	1950	1.96	1926
5	61	52,30	25	1903	1.00	1908
6	60	1961	20	1948	1.98	1943
7	63	1947	21	1929	1.27	1945
8	62	1952	17	1929	1.34	1922
9	63	1951	11	1933	2.56	1919
10	63	51,63	17	29,33	2.76	1961
11	64	1963	18	05,29	1.11	1961
12	62	1931	15	1954	1.38	1954
13	61	31,47	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	62	1941	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	65	1905	21	1962	1.47	1902
26	68	1932	17	1962	1.17	1919
27	68	1932	18	1962	.66	1965
28	68	1901,68	25	13,18	1.00	1940
29	68	1968	26	1960	.77	1904

The Daily Extreme Values of Temperature and Precipitation
Since 1890 through 1969 at Corvallis, Oregon

Month of 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	21	1960	.84	1904
2	73	1905	26	48,53	.82	1956
3	68	26,28	20	1923	1.62	1916
4	65	28,43,65	21	1923	1.52	1902
5	64	1965	23	1955	.70	1960
6	65	1965	14	1956	1.32	1916
7	73	1905	23	1956	.76	1957
8	76	1905	27	23,55	1.10	1951
9	77	1905	27	1951,68	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	1922
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	1941	28	1919	1.89	1916
27	77	1941	27	1922	1.35	1940
28	74	1969	30	44,49,61,69	.80	1904
29	77	1923	28	1925	1.86	1963
30	78	1923	25	1936	1.90	1963
31	77	1911	28	1920,70	1.76	1943

The Daily Extreme Values of Temperature and Precipitation
Since 1890 through 1969 at Corvallis, Oregon

Month of 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	1906,70	.45	1923
3	76	1951	24	1918	.66	1954
4	80	1949	26	1918	.85	1901
5	82	1930	28	1956	.92	1941
6	80	1906	28	11,59	.88	1902
7	78	1939	28	1921	.77	1907
8	75	28,38	28	1919	.58	1920
9	79	1904	30	22,27,29	.74	1914
10	80	1904	29	1927	1.10	1914
11	86	1904	29	1927	.66	1944
12	85	1904	28	1903	.62	1937
13	84	43,47	24	1968	2.06	1937
14	84	43,47	27	11,19	1.14	1929
15	85	1926	29	1955,67	.69	1937
16	80	1947	29	1960	.59	1938,63
17	83	1939	28	1964	1.06	1908
18	83	1939	29	1902	.65	1925
19	82	1965	28	1927,68	.82	1965
20	88	1906	29	1927	.50	1960
21	82	1934	29	1968	.53	1923
22	80	1905	30	1922	.52	1915
23	87	1910	30	04,22	.45	1928
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

The Daily Extreme Values of Temperature and Precipitation
Since 1890 through 1969 at Corvallis, Oregon

Month of 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	.83	1948
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	32	1903	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	1931	31	1916	.43	1905
12	91	1949	34	1958	.53	1945
13	95	1939	33	1958,64	.90	1902
14	91	1939	33	1920	.69	06,36
15	82	1925	36	1910	.69	1901
16	86	1922	34	1917	.49	1945
17	88	1956	36	09,43	.98	1941
18	92	1956	33	1909	.94	1957
19	86	1946	32	1927	.70	1969
20	91	1928	36	03,53	.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	.52	1960
27	82	04,52	33	21,54,66	.26	1953
28	86	1952	35	1914	.22	1958
29	90	1931	34	1911	.68	1932
30	93	1931	30	1920	.53	1943
31	99	1922	30	1919	.93	1956

The Daily Extreme Values of Temperature and Precipitation
Since 1890 through 1969 at Corvallis, Oregon

Month of June

<u>Date</u>	<u>Max.</u>	<u>Year</u>	<u>Min.</u>	<u>Year</u>	<u>Precip.</u>	<u>Year</u>
1	92	1913	32	1929	.44	1947
2	92	1937	38	10,12,27,49	.38	1947
3	94	1950	36	1903	.51	1930
4	90	1935,69	33	1950	.35	1905
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	36	1955	.43	1931
14	88	16,40	41	1923	.55	1936
15	96	1916	37	1952	1.03	1906
16	98	1966	35	1955	.44	1903
17	94	1961	35	1911	1.32	1931
18	97	1961,69	36	1911	.45	1937
19	91	45,46,67	38	1914	1.06	1937
20	98	1902	35	1911	.69	1910
21	91	1918	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	.65	1942
26	95	1907	43	1909,63,66	.48	1911
27	91	18,37	37	1965	.52	1969
28	95	1957	38	1919	.52	1955
29	100	1924	38	1919	2.14	1952
30	100	1942	40	19,27,56,61	.50	1916

The Daily Exptreme Values of Temperature and Precipiatation
Since 1890 through 1969 at Corvallis, Oregon

Month of 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	.20	1963
5	94	1926	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	1960,64	.25	1913
10	100	1926	41	1924	.19	1954
11	99	1951	43	21,43	.12	1936
12	102	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	.04	1916
18	98	08,59	40	09,10	No rain	
19	104	1931	42	1926	.16	1950
20	107	1946	42	22,24,26	.10	1940
21	104	1938	41	1922	.26	1934
22	101	1939	41	1922	.01	1945
23	102	1928	42	1910	.08	1919
24	102	1928	43	01,12,53	.15	1912
25	101	1928	42	1901,66	.02	1909
26	104	1939	42	1922	.42	1947
27	97	1939	42	26,57	.47	1947
28	103	1958	42	13,45	1.75	1947
29	98	1960	41	1956	.02	1915
30	102	1907	44	1945,69	.07	1947
31	99	1959	41	1956	.08	1937

The Daily Extreme Values of Temperature and Precipitation
Since 1890 through 1969 at Corvallis, Oregon

Month of 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	102	1902	41	1909	.19	1947
7	100	1941	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	97	1961	41	08,59	.55	1922
12	101	1920	43	10,18	.43	1965
13	99	1920	42	27,55	.06	1913
14	102	1942	40	1955	.21	1968
15	99	1942	42	1955	.45	1912
16	100	19,27	41	1909	.67	1912
17	100	1940	42	1914	.48	1968
18	98	1940	40	1913	.70	1926
19	99	1951	40	1964	.47	1968
20	98	1951	41	22,52	.28	1968
21	99	1950	41	09,47	.32	1943
22	99	1942	38	1955	.55	1925
23	97	1917	42	1901	.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	.48	1912
29	98	1944,67	39	1924	.95	1943
30	99	1918	39	1907	.25	1912
31	96	1918	37	1914	.69	1939

The Daily Extreme Values of Temperature and Precipitation
Since 1890 through 1969 at Corvallis, Oregon

Month of 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	1.89	1941
2	99	1934	37	1936	.58	1941
3	97	1935	38	1913,69	.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	1927
7	97	1958	37	1910	.59	1912
8	98	44,58	39	1927	.71	1917
9	97	44,48	38	1913,64	.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	94	1957,67	34	1921	1.38	1946
16	98	1967	35	1921	.72	1955
17	92	18,51	33	1911	.60	1914
18	92	1918,62	35	1911	2.18	1969
19	90	1918	34	07,11	1.00	1941
20	91	1952	37	24,58,60	.54	1910
21	95	47,52	37	1955,64	1.52	1944
22	95	47,52	31	1904	.38	1920
23	95	43,52	35	58,61	.76	1920
24	93	1943	35	1909	1.25	1924
25	88	1965	27	1909	.34	01,05
26	92	1949	30	1909	.86	1911
27	94	1967	34	02,09	1.29	1957
28	92	1967	32	1902	.77	1955
29	87	1932	34	1961	.62	1925
30	87	18,23	32	1903	.60	1909

The Daily Extreme Values of Temperature and Precipitation
Since 1890 through 1969 at Corvallis, Oregon

Month of October

<u>Date</u>	<u>Max.</u>	<u>Year</u>	<u>Min.</u>	<u>Year</u>	<u>Precip.</u>	<u>Year</u>
1	87	1945	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	34	11,15	.97	1950
6	86	1952	30	13,37	.81	1905
7	87	1952	31	1912	1.20	1913
8	83	36,45	31	16,61	.99	1962,69
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	79	1929	30	1925,66	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	1949,64	.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	.67	1931
26	75	1944	27	1954	1.11	1921
27	70	1944	27	1954	1.20	1950
28	72	31,37,44	29	10,48	1.32	1950
29	70	1931	27	11,54	2.26	1924
30	70	1917	29	1926	1.20	1924
31	73	1949	29	26,27	.75	1901

The Daily Extreme Values of Temperature and Precipitation
Since 1890 through 1969 at Corvallis, Oregon

Month of 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	69	1949,69	22	1936	1.88	1909
3	72	1927	15	1935	1.48	1944
4	69	01,08	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	1936	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	1906	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	1.60	1928
17	65	1932	19	1955	1.91	1954
18	64	19,32	24	1955	1.70	1946
19	60	12,18,39	25	1929	1.78	55,58
20	68	1966	22	1961	3.16	1921
21	68	1917	25	1922	.92	1909
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	1.79	1960
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	1956,69	1.36	1902

The Daily Extreme Values of Temperature and Precipitation
Since 1890 through 1969 at Corvallis, Oregon

Month of 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	1.11	1917
2	62	1958	22	1956	3.58	1941
3	63	1958	25	1906	1.24	1915
4	63	1939	24	1906	1.69	1968
5	59	1954	25	28,59	2.05	1968
6	58	06,44	22	1959	2.78	1933
7	63	1938	15	1956	1.13	1957
8	62	1915	17	1932	1.43	1901
9	59	1915	14	1932	1.68	1922
10	60	1942	9	1932	2.16	1968
11	60	1958	6	1919	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	56	41,62	- 5	1919	1.02	1939
16	58	50,59	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	58	06,40,53	13	1924	1.84	1957
21	56	1933	13	1914	2.18	1964
22	61	1955	5	1924	1.96	1964
23	66	1950	- 3	1924	1.69	1932
24	61	1950	- 2	1924	1.16	1965
25	56	02,33,43	- 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	1.37	1942

AVERAGE DAILY RADIATION IN LANGLEYS
Five Year Average

<u>Day</u>	<u>Jan.</u>	<u>Feb.</u>	<u>Mar.</u>	<u>Apr.</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Oct.</u>	<u>Nov.</u>	<u>Dec.</u>
1	58	135	150	365	379	597	552	497	413	372	193	54
2	54	123	225	349	503	496	536	539	490	371	220	95
3	97	86	179	414	419	647	659	440	473	344	161	88
4	104	91	210	253	408	531	582	403	468	222	160	59
5	75	83	209	358	343	511	664	433	423	272	136	94
6	66	156	245	396	341	433	510	511	433	265	182	97
7	81	164	270	387	421	538	577	525	414	282	101	63
8	74	154	275	385	443	333	545	457	471	310	134	66
9	109	153	213	290	340	458	646	464	486	255	104	65
10	138	174	298	425	415	416	650	628	354	263	120	85
11	110	175	236	443	485	427	678	577	405	131	127	104
12	91	118	290	405	435	633	718	505	381	161	141	81
13	62	136	255	474	565	455	598	552	297	237	74	62
14	72	161	230	445	549	436	482	566	267	239	107	65
15	71	156	279	379	531	418	628	526	290	282	129	58
16	84	133	336	426	657	456	558	545	340	245	106	75
17	85	106	337	462	602	571	677	560	351	194	113	94
18	102	165	339	363	634	660	647	510	307	259	95	74
19	117	182	382	412	593	616	711	533	375	187	76	35
20	157	225	302	258	481	523	547	515	255	130	84	59
21	157	216	397	383	623	538	628	485	304	152	99	84
22	147	231	311	408	389	588	586	479	304	141	59	80
23	138	239	264	382	644	598	623	463	392	170	54	69
24	144	261	291	367	589	648	668	358	398	145	88	90
25	111	290	290	376	595	698	664	450	362	150	87	121
26	140	327	207	343	552	642	641	379	362	146	73	92
27	160	262	378	383	605	505	573	483	370	122	104	94
28	144	141	425	384	551	548	644	457	336	143	126	43
29	108		444	313	550	579	581	480	356	195	118	72
30	91		444	274	549	655	584	427	389	145	47	48
31	134		365		665		505	371		150		91
Daily Average	106	173	293	377	511	534	608	488	376	216	114	76

EXPLANATORY NOTES FOR DAILY CLIMATOLOGICAL DATA (pp 17 - 28)

- Column
1. Date of Observation.
 2. Maximum Air Temperature, 24-hour period ending 8:00 a.m.
 3. Minimum Air Temperature, 24-hour period ending 8:00 a.m.
 4. Average Air Temperature, 24-hour period ending 8:00 a.m.
 5. Growing Degree Days, base 40°, computed from Average Temperature.
 6. Growing Degree Days, base 50°, computed from Average Temperature.
 7. Precipitation, water equivalent, inches, for 24-hour period ending at 8:00 a.m.
 8. Snow, Sleet or Other Frozen Precipitation in inches.
 9. Wind Direction at observation time, 8:00 a.m.
 10. Wind Speed, mph, at observation time, 8:00 a.m.
 11. Maximum and Minimum Soil Temperatures, 2-inch depth, 24-hour period ending at 8:00 a.m.
 12. Maximum and Minimum Soil Temperatures, 4-inch depth, 24-hour period ending at 8:00 a.m.
 13. Maximum and Minimum Soil Temperatures, 8-inch depth, 24-hour period ending at 8:00 a.m.
 14. Evaporation of Water from Standard Weather Bureau Pan, inches.
 15. Total 24-hour Wind Movement, miles, from anemometer 1-1/2 feet above ground at Evaporation Pan Site.
 19. Day length, sunrise to sunset, hours and minutes.
 - 20 - 23. Relative Humidity expressed in percent from hygro-thermograph in standard Weather Bureau shelter, 4:00 a.m., 10:00 a.m., 4:00 p.m. and 10:00 p.m.
 24. Date of Observation.

SOME REFERENCE PUBLICATIONS FOR CLIMATOLOGICAL DATA, OREGON

1. CLIMATOLOGICAL DATA, OREGON, Monthly and Annual Summaries.
Author: Continuing publication of U. S. Weather Bureau.
2. A SUMMARY OF CLIMATE AND WEATHER FOR CORVALLIS, OREGON, Oregon State University Agricultural Experiment Station Miscellaneous Paper 105, March 1961. Author: Wheeler Calhoun.
3. ESTIMATING DATES FOR LOW TEMPERATURES IN OREGON, Oregon State University Agricultural Experiment Station Bulletin 581, October, 1961. Authors: Noel D. Eichorn, Robert D. Rudd and Lyle D. Calvin.
4. STUDIES OF OREGON'S CLIMATE FOR THE FOREST INDUSTRY, Oregon Forest Lands Research Center, Oregon State University, Climatological Notes, 1960. Author: W. P. Lowry.
5. OREGON SUNSHINE, U. S. Weather Bureau Paper, State Climatologist, Portland, Oregon, 1959. Author: Gilbert Sternes.
6. DECENNIAL CENSUS OF UNITED STATES CLIMATE - OREGON, MONTHLY NORMALS OF TEMPERATURE, PRECIPITATION AND HEATING DEGREE DAYS, 1962. Author: U. S. Weather Bureau Publication.
7. MONTHLY EVAPORATION STATISTICS FOR OREGON STATIONS, August, 1960. Author: Gilbert L. Sternes.
8. CLIMATOLOGICAL DATA FOR OREGON'S COLUMBIA BASIN COUNTIES, November, 1966. Cooperative Extension Service Special Report No. 225.
9. SPRINGTIME PROBABILITIES OF 24°, 28° AND 32° TEMPERATURES IN OREGON, 1968. CORVALLIS, OREGON. Author: Earl M. Bates.