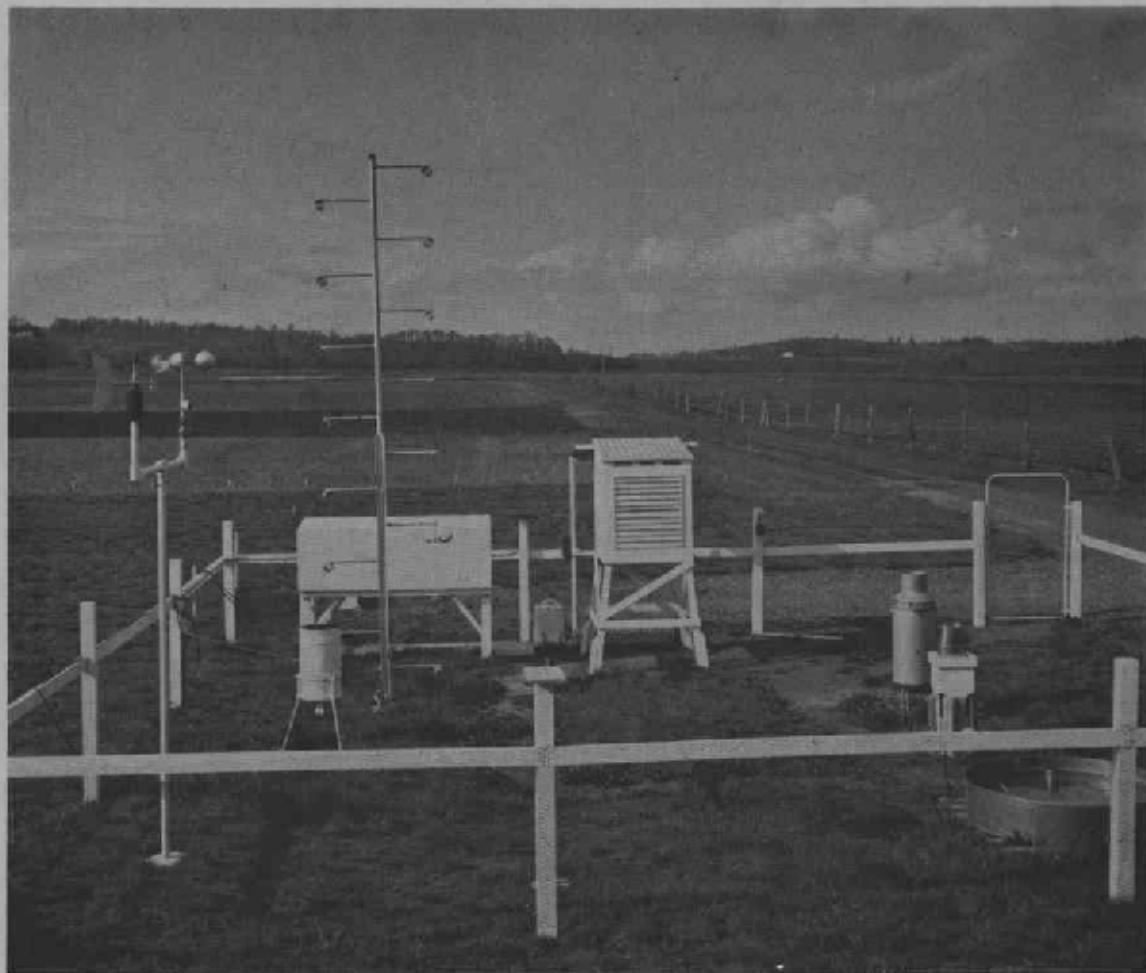


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SPECIAL REPORT 193

MAY 1965

Oregon State University Local Climatological Data -- 1964



United States Department of Commerce
Weather Bureau
in cooperation with the
Agricultural Experiment Station
Oregon State University
Corvallis, Oregon

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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. During the past two years the United States Department of Commerce Weather Bureau, 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. This is the first of that series.

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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 Agronomy 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 $44^{\circ} 38'$ North and longitude $123^{\circ} 12'$ 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 Agronomy Experimental 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 Agronomy Farm is an excellent one for an agricultural weather station. During the past two years additional weather instruments and equipment have been installed. Data for 1964 from the added instrumentation appear in this publication.

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
1931-1964

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	73.3	66.3	48.1	45.6

Station moved from Campus to Hyslop Agronomy Farm May 1952.

AVERAGE MONTHLY MINIMUM TEMPERATURES
1931-1964

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	35.3	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

Station moved from Campus to Hyslop Agronomy Farm May 1952.

MONTHLY PRECIPITATION

1931-1964

(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	1.64	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

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

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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.

KILLING FROST

Year	Last Spring Frost Month	Frost Day	First Fall Frost Month	Frost 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
<hr/>					
AVERAGE FOR 29 YEARS	April	3	November	4	215

June, July, August have been frost free for 75 years.

CROP SEASON MONTHLY EVAPORATION

From Standard Weather Bureau
 Open Pan (1953-1964)
 (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	5.04	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
MEAN	2.29	3.73	5.13	7.43	6.58	4.36	1.76

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
<u>4 p.m.</u>	79	71	63	54	52	50	39	40	47	64	76

*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

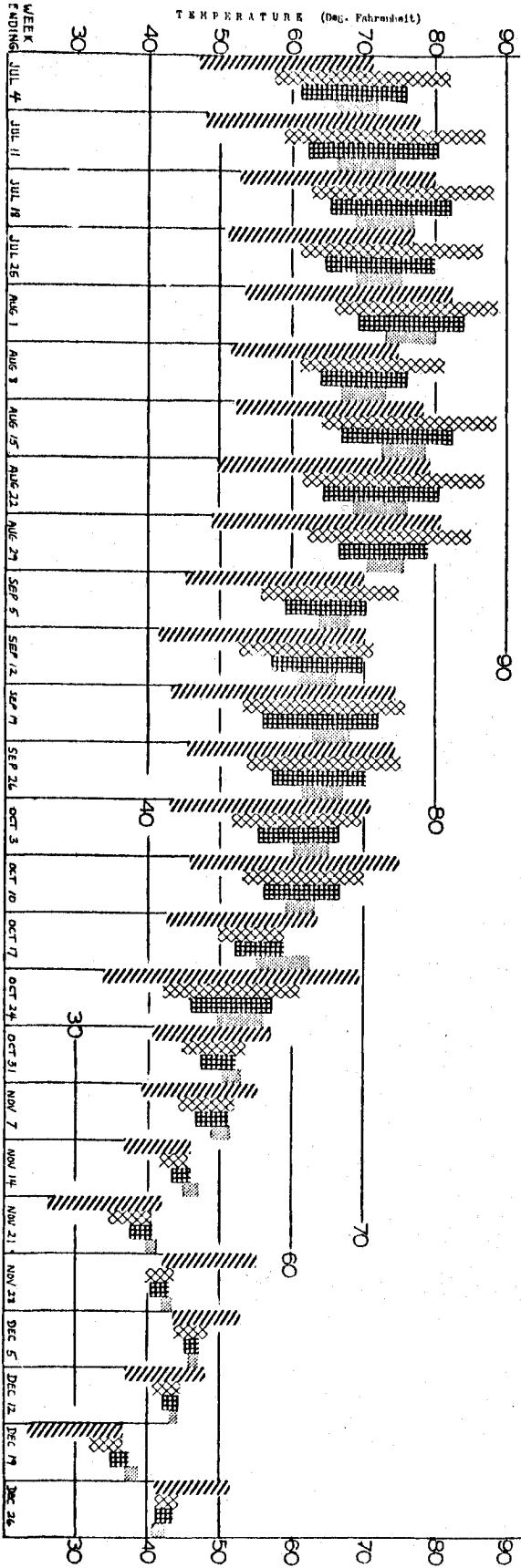
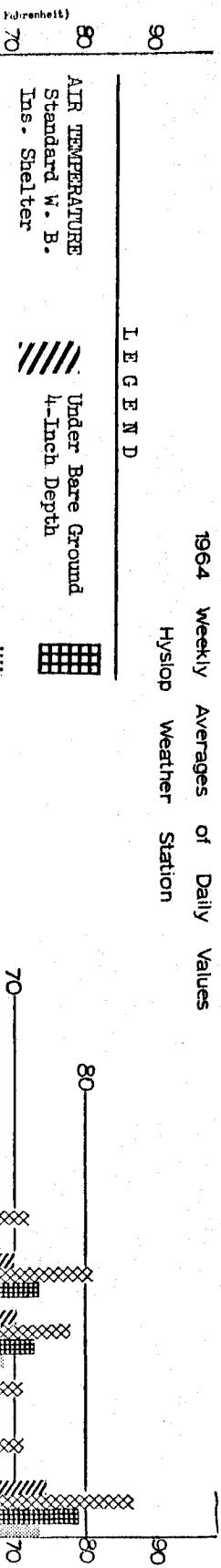
Example: Analysis of 30 years of record (1928-1957) showed that total precipitation during week 29, Sep 13 to 19, equaled or exceeded .10 inch 15 times, for a 50 percent probability of occurrence. Blanks in the table indicate no occurrence during the 30-year period examined.

MAXIMUM & MINIMUM AIR & SOIL TEMPERATURES

1964 Weekly Averages of Daily Values

Hyslop Weather Station

LEGEND



Latitude 45° 38'
Longitude 123° 12'
Elevation (ground) 225 feet

METEOROLOGICAL DATA FOR THE CURRENT YEAR

HISLOP AEROMARINE FLY
CERVALLES, OREGON

Month	Temperature			Precipitation			Relative humidity			Wind			Evaporation			Number of days		
	Averages	Extremes	Degrees days	Total	24 hrs.	Greatest in	Date	Total	24 hrs.	Greatest in	Date	Partly cloudy	Cloudy	At 6:00 a.m.	At 6:00 a.m.	Max. temp.	Min. temp.	
J	57.3	21.6	56	27	.20	11.56	2.00	20	.5	23				0	12	28		
F	49.9	31.2	50	23	.21	2.56	.79	.20	.5	23				0	0	0	0	
M	51.7	34.3	53	23	.31	3.0								0	0	0	0	
A	57.0	29.8	47.1	39	.29	23								0	0	0	0	
M	63.0	40.3	51.7	51	.31	23								0	0	0	0	
J	68.0	41.5	58.3	52	.23	38								0	0	0	0	
J	73.5	52.7	64.6	54	.22	39								0	0	0	0	
A	71.2	50.4	53.3	53	.23	55								0	0	0	0	
S	73.3	43.9	56.6	53	.22	37								0	0	0	0	
O	66.3	40.7	53.5	54	.29	25								0	0	0	0	
N	61.1	25.6	41.2	52	.4	35								0	0	0	0	
D	45.6	24.8	30.2	51	.23	20								0	0	0	0	
Year	60.6	-0.3	50.4	54	.10									0	0	0	0	

NORMALS, MEANS, AND EXTREMES

Year	Temperature			Precipitation			Relative humidity			Wind			Evaporation			Mean number of days				
	Normal	Extremes	Degrees days	Total	24 hrs.	Greatest in	Date	Total	24 hrs.	Greatest in	Date	Partly cloudy	Cloudy	At 6:00 a.m.	At 6:00 a.m.	Max. temp.	Min. temp.			
1931	38.1	28.4	35.3	125	.24	1.350		1.31	.24	1.952		0	0	—	—	9	9			
F	29.5	31.7	62.1	62	1.25*	5	159.9	15.23	150.6	11.70	1927	0	0	0	18	10	3			
M	35.0	45.4	75	136*	35	196*	13	136	4.36	11.39	1926	0	0	0	1.3	1.3	1.7			
A	51.0	52.5	51	132	.25	191.5		2.20	7.99	1937	22.1935	2.26	3.37	T	1.5	1911	2.23	0	1.1	
M	57.7	45.5	56.6	59	232	28	195.5	1.93	5.11	1936	1.61	1947	0	0	—	3.73	11	12		
J	62.9	43.2	61.1	52	1825	22	192*	1.31	3.81	1952	2.14	1952	0	0	—	5.13	10	11		
J	66.2	51.6	66.4	237	1945	56	192*	.31	2.72	1947	0	0	0	0	18	10	3			
A	81.1	51.2	66.1	126	1946	35	192	.01	2.76	1959	0	1954	1.75	1943	0	0	0			
S	75.8	45.3	62.1	133	1944	26	192	1.34	5.40	1920	T	1.89	1941	0	0	0	4.56	15	10	
O	64.2	41.0	53.6	50	136*	13	192	3.78	9.70	1950	—	2.26	1924	.2	5.0	1936	1.76	8	12	
N	50.2	35.2	51.7	23	136	19	195	5.13	16.69	1949	2.21	1955	.4	3.5	1931	4	9	12		
D	35.6	33.1	44.0	56	195*	11	192	7.05	14.15	1933	2.33	1930	3.56	1911	.4	20.0	1919	3	9	20
Yr	62.6	42.1	52.4					10.0	0.0	—					31.26	9	10	11		

(a) Length of record, years.

(1) 1921-1960 (adjusted to present location)

(2) 1829-1964

(3) 1900-3/1/1965

(4) 1929-1965

(5) 1953-1966

* trace

Also equalled in prior years



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

HYSLOP AGRICULTURAL FARM
CORVALLIS, OREGON
JANUARY 1964

Latitude 44° 38' N.				Longitude 123° 12' W.				Elevation (ground)				225 ft.				Pacific Standard time used											
Temperature (°F)				Precipitation				Wind				Soil Temperatures				Evaporation				Air Temps.				Solar Radiation			
Date	1 Maximum	2 Minimum	3 Average	4 Growing degree days (base 50°)	5 Growing degree days (base 50°)	6 Total (Water equivalent) (In.)	7 Snow, Sleet (In.)	8 Direction	9 Velocity (MPH)	10 Maximum Depth	11 Minimum Depth	12 Maximum Depth	13 Minimum Depth	14 Open pan (In.)	15 Wind movement	16 Max./Min. (1 ft. above ground)	17 Max./Min. (15 ft. above ground)	18 Langley's	19 Day length (sunrise to sunset, hrs. and mins.)	20 4 a.m.	21 10 a.m.	22 4 p.m.	23 10 p.m.	24 Date			
1	55	45	50	10	0	.18			11	49/46	46/43	46/44							86	86	92	78	78	1			
2	52	36	44	4	0	.36			12	48/42	47/45	46/45							84	97	72	96	96	2			
3	50	30	40	0	0	.09			13	48/39	45/42	46/45							98	98	77	91	91	3			
4	44	31	38	0	0				14	40/37	41/39	44/42							93	98	54	92	92	4			
5	49	33	41	1	0				15	43/37	42/39	42/41							96	92	87	92	92	5			
6	47	35	41	1	0				16	42/36	40/38	42/40							93	88	29	97	97	6			
7	47	32	40	0	0				17	44/37	43/39	43/42							97	99	77	96	96	7			
8	45	30	38	0	0				18	41/36	41/38	41/40							98	89	66	72	72	8			
9	46	33	40	0	0				19	43/36	40/38	40/38							68	75	76	93	93	9			
10	43	33	38	0	0	.31			20	42/36	40/38	41/39							95	95	79	93	93	10			
11	43	30	37	0	0	.06			21	40/35	39/37	39/38							97	97	77	77	77	11			
12	41	32	37	0	0	.02			22	41/34	38/35	39/37							93	97	70	93	93	12			
13	45	32	39	0	0	.15			23	41/35	40/37	40/38							96	97	77	92	92	13			
14	46	30	38	0	0	.26			24	40/36	39/37	40/38							95	98	64	91	91	14			
15	47	33	40	0	0	.02			25	42/34	40/36	40/38							66	86	79	72	72	15			
16	50	40	45	5	0	.55			26	43/35	41/36	42/37							90	93	66	81	81	16			
17	48	38	43	3	0	.82			27	43/40	43/41	43/42							83	93	60	86	86	17			
18	43	36	40	0	0	1.20			28	40/38	42/41	43/41							92	91	68	92	92	18			
19	43	35	39	0	0	.95			29	41/38	41/39	41/40							93	93	93	75	75	19			
20	49	37	43	3	0	2.00			30	38/37	39/38	41/40							86	91	91	85	85	20			
21	42	34	38	0	0	.29			31	38/36	39/37	39/38							90	83	79	84	84	21			
22	40	32	36	0	0	.18			32	36/35	38/37	38/37							92	96	87	95	95	22			
23	40	32	36	0	0	.31			33	40/35	39/36	38/37							91	89	62	90	90	23			
24	44	34	39	0	0	.41			34	45/40	42/38	42/39							87	88	89	89	89	24			
25	50	42	46	6	0	.82			35	47/46	45/42	44/42							87	84	86	93	93	25			
26	52	46	49	9	0	.49			36	48/45	46/45	46/44							93	96	65	93	93	26			
27	56	42	49	9	0	.03			37	45/40	46/41	45/43							Rest of month missing.					27			
28	51	31	41	1	0	.02			38	44/37	42/37	43/40													28		
29	50	34	42	2	0	.35			39	48/37	46/41	44/42													29		
30	52	31	42	2	0	.01			40	43/37	41/38	42/40													30		
31	48	35	42	2	0	.03			41																31		
Sum	14.58	1074	11.68	-5					14.38	42/38	42/32	42/40													Sum		
Avg	47.0	34.6																							Avg		

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

TEMPERATURE: (°F)

Average monthly 50.8
Departure from normal + 2.5
Highest 56 on 27
Lowest 30 on 3, 8, 11, 14
Number of days with -

Max. 32° or below 0
Max. 90° or above 0
Min. 32° or below 12
Min. 0° or below 0

(1) Data tabulated in Columns 2, 3, 4, 5, 6,
7, 8, 11, 12, 13, 14, 15, 16, and 17 are
for the 24-hour period ending at 8:00 a.m.
on the date shown.

(2) Data tabulated in Columns 9 and 10 are the
wind direction and velocity at 8:00 a.m.

(3) Column 18 is for the 24-hour period ending
at midnight, end of the day, on the date
shown.

TIME OF OBSERVATIONS:
Total for the month 11.68
Departure from normal + 5.16
Greatest in 24 hours 2.00 on 20

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	.07	.15	.19	.19	.09	.06	.02																		6
7																									7
8																									8
9	.01	T	.03	.02	.05	.01	.01																		9
10	.02	T	.01	.01	.02	.01	T																		10
11																									11
12																									12
13																									13
14																									14
15																									15
16	.06	.29	.09	.01																					16
17	.05	.09	.06	.08	.17	.21	.11	.12	.18	.04	.02	T	.01	T	.03	.04	.06	.05	.06	.02	.06	.06	.02		17
18	.07	.09	.02	.03	.06	.05	.03	.01	.04	.03	.03	.08	.05	.08	T	.02	.01	.03	.02	.01	.02	.02	.03		18
19	.03	.05	.04	.09	.11	.11	.08	.09	.17	.27	.29	.26	.14	.24	.27	.26	.02	T	.01	.02	.01	.02	.01	.02	19
20	.01	.03	.01	.01	T					.03	.02	.02	.02	.03	.02	.06	.04	.05	.06	.01	.02	T			20
21	.02	.02	.01																						21
22																									22
23																									23
24	.01	.01	.01	.07	.10	.02	.07	T	.02	.03	.03	.05	.06	.10	.03	.03	.02	.01	.01	.02	.02	.03	.03		24
25	.02	.04	.05	.06	.02	.01	.06	.03	.05	.06	.04	.05	.10	.05	.05	.01									



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

HYSLOP AGRONOMY FARM
CORVALLIS, OREGON
MARCH 1964

Latitude 44° 38' N.

Longitude 123° 12' W. Elevation (ground) 225 ft. Pacific Standard Time used

Date	Temperature (°F)				Precipitation		Wind		Soil Temperatures			Evaporation		Air Temps.		Solar Radiation		Relative Humidity				Date		
	Max	Min	Avg	Growing degree days (base 40°)	Growing degree days (base 50°)	Total (Water equivalent in.)	Snow (in.)	Direction	Velocity (MPH)	Max/Minimum 2" depth	Max/Minimum 4" depth	Max/Minimum 9" depth	Open pan (In.)	Wind movement	Max. Alt. (1 ft. above ground)	Max. Alt. (15 ft. above ground)	Langleys	Day length (sunrise to sunset, hrs. and mins.)	4 a.m.	10 a.m.	4 p.m.	10 p.m.		
1	45	35	40	C	C	.42			38/38	40/37	40/39							20	86	79	93	82	1	
2	50	34	42	C	C	.34			44/37	43/39	42/39							21	96	72	96	82	2	
3	47	36	42	C	C	.22			42/37	42/38	43/39							22	96	85	96	83	3	
4	47	39	43	C	C	.11			43/39	41/38	42/41							23	94	93	64	66	4	
5	51	34	43	C	C	.61			46/39	45/41	45/43							24	92	91	72	92	5	
6	46	34	40	C	C	.36			44/36	43/41	43/42								97	97	78	95	86	6
7	46	30	38	C	C	.02			48/37	44/40	44/42								98	98	73	74	71	7
8	47	33	40	C	C	.08			45/37	44/39	43/41								93	87	98	93	88	8
9	46	33	40	C	C	.18			41/37	42/39	43/42								94	90	64	82	91	9
10	45	34	40	C	C	.18			44/36	42/37	43/41								95	91	71	61	10	10
11	49	39	44	C	C	.68			40/40	43/40	43/42								85	92	86	85	11	11
12	45	33	39	C	C	.54			44/39	42/40	43/42								93	94	91	89	12	12
13	46	30	38	C	C	.20			45/36	42/39	43/41								99	96	68	78	13	13
14	47	33	40	C	C	.07			43/35	42/37	42/39								82	88	70	84	14	14
15	54	38	46	C	C	.09			44/44	45/42	44/42								93	78	50	91	15	15
16	57	36	47	T	T				58/41	57/42	48/44								98	77	46	92	16	16
17	60	35	48	T	T				60/42	55/44	49/44								98	85	60	80	17	17
18	53	36	45	T	T	.09			48/42	48/45	47/46								93	66	56	81	18	18
19	52	30	41	T	T				53/36	48/42	47/45								86	70	44	80	19	19
20	53	37	45	T	T	.05			53/36	48/39	47/42								75	93	71	89	20	20
21	49	39	44	T	T	.22			46/42	46/44	45/44								94	84	55	88	21	21
22	50	36	43	T	T	.04			55/43	49/44	47/43								92	73	44	76	22	22
23	52	36	44	T	T	.02			55/40	52/44	49/44								76	60	65	92	23	23
24	52	34	43	T	T				54/48	50/41	48/45								90	48	47	90	24	24
25	50	32	41	T	T				55/39	52/42	48/45								95	80	56	76	25	25
26	48	36	42	T	T				44/38	44/41	44/43								87	80	56	78	26	26
27	53	32	43	T	T				49/36	47/42	46/44								98	69	47	59	27	27
28	57	33	45	T	T				57/39	51/46	48/43								87	63	45	86	28	28
29	66	36	51	T	T				60/39	54/41	50/44								96	64	40	71	29	29
30	70	41	56	T	T				64/44	57/45	53/46								94	64	38	88	30	30
31	70	39	55	T	T				65/46	58/52	54/49								96	75	64	88	31	31
Sum	1603	1083				4.33	T			49/39	47/41	46/43							92	81	63	84	Avg.	

T in columns 7, 8, 9 and 10. The Hourly Precipitation table indicates an amount too small to measure.

TEMPERATURE: (°F)

Average monthly 43.3
Departure from normal - 2.1
Highest 70 on 30 & 31
Lowest 30 on 7, 13, 19

Number of days with —

Max. 32° or below 0
Max. 90° or above 0
Min. 32° or below 0
Min. 0° or below 0

TIME OF OBSERVATIONS:

(1) Data tabulated in Columns 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, 15, 16, and 17 are for the 24-hour period ending at 8:00 a.m. on the date shown.

PRECIPITATION: (In.)

Total for the month 4.33
Departure from normal -.05
Greatest in 24 hours .61 on 5

HOURLY PRECIPITATION (In.)

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



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

HYSLOP AGRONOMY FARM
CORVALLIS, OREGON
APRIL 1, 1964

Latitude		30° N.		Longitude		123° 12' W.		Elevation (ground)		295 ft.		Pacific Standard time used												
		Temperature (°F)		Precipitation		Wind		Soil Temperatures		Evaporation		Solar Radiation		Relative Humidity										
Date	No.	Maximum	Minimum	Days	Average	Growing degree days (base 50°)	Total (Water equivalent in.)	Wind direction	Velocity (MPH)	Max. Minimum 2" depth	Max. Minimum 4" depth	Max. Minimum 8" depth	Open pan (in.)	Wind movement (ft. above ground)	Max. Min. (ft. above ground)	Langley	% 1 a.m.	% 10 a.m.	% 4 p.m.	% 10 p.m.	Date			
1	56	38	48	8	45	5	0		.06	57/45	52/48	52/50	.06	74	12	45	70	72	51	81	1			
2	52	38	45	2	42	5	0		.02	56/48	51/46	50/49	.09	83	12	49	93	80	90	87	2			
3	51	33	42	2	42	5	0		.55	56/39	52/43	49/46	.03	45	12	51	96	86	80	70	3			
4	60	35	48	6	44	8	0		T	59/39	53/40	55/44	.13	62	12	51	91	76	66	85	4			
5	53	35	44	6	44	6	0		T	56/42	50/45	49/46	.07	59	12	58	90	71	62	93	5			
6	52	40	46	6	46	6	0		T	57/42	51/48	49/45	.06	53	12	51	96	74	67	93	6			
7	59	34	47	7	47	7	0		T	61/42	55/46	52/47	.09	20	13	1	26	74	47	71	7			
8	66	38	52	12	48	12	2		T	67/42	58/43	54/47	.11	14	13	7	100	98	10	68	8			
9	63	42	53	13	48	13	0		.36	66/44	58/48	51/49	.10	26	13	10	91	88	80	90	9			
10	54	41	48	8	47	7	0		.10	53/46	53/50	52/51	.02	85	13	13	88	72	52	81	10			
11	53	40	47	7	47	7	0		.05	56/45	53/50	51/49	.04	73	13	16	86	74	53	70	11			
12	52	41	47	7	47	7	0		T	57/44	53/45	51/49	.05	95	13	19	75	72	68	88	12			
13	55	36	46	6	46	6	0		T	57/45	53/47	51/49	.08	61	13	23	99	66	65	84	13			
14	63	35	49	9	49	9	0		T	60/45	60/46	55/48	.14	22	13	25	96	74	50	54	14			
15	64	45	55	15	55	15	0		T	67/44	56/45	55/48	.16	72	13	28	85	67	62	73	15			
16	53	32	43	3	43	3	0		T	59/42	54/46	53/49	.13	97	13	31	90	68	68	87	16			
17	48	28	38	0	38	0	0		.04	6	56/39	52/42	50/47	.02	38	13	35	88	77	31	65	17		
18	56	36	46	6	46	6	0		T	11	60/39	53/43	49/45	.18	96	13	37	64	59	30	36	18		
19	63	35	49	9	49	9	0		T	5	63/42	57/42	52/45	.20	89	13	40	59	57	32	64	19		
20	65	35	50	10	50	10	0		T	70/43	61/45	55/47	.16	34	13	43	96	79	50	66	20			
21	57	35	46	6	46	6	0		T	Calm	57/44	53/46	52/50	.08	28	57/31	55/37	380	214	46	93	21		
22	60	39	50	10	50	10	0		.13	67/46	49/46	55/48	.13	100	60/39	55/39	254	49	93	60	73	84		
23	50	37	44	6	44	6	0		.11	56/45	53/47	52/50	.06	72	53/37	48/37	347	51	87	85	49	23		
24	56	39	48	8	48	8	0		T	64/45	57/47	54/48	.08	25	53/37	55/39	341	13	54	90	50	81		
25	59	40	50	10	50	10	0		T	62/47	56/48	54/49	.10	34	57/37	57/39	176	13	57	80	57	76		
26	55	44	50	10	50	10	0		.06	7	53/48	52/50	51/50	.06	77	56/11	51/13	301	14	0	95	87	26	
27	58	43	51	11	51	11	1		.04	T	63/45	57/48	54/50	.08	28	-59/11	55/12	281	14	3	86	63	50	
28	57	44	49	9	49	9	0		T	H	1	73/44	63/46	50/50	.16	17	72/11	67/11	169	14	9	83	97	73
29	69	44	57	17	57	17	7		T	SW	3	46/41	54/46	53/49	.02	28	10/32	46/32	169	14	12	98	90	74
30	50	36	43	3	43	3	0		.09												31			
Sum	1711	1135							1.61	T				2.75								Sum		
Avg	57.0	37.8								60/44	55/46	52/48		59			289		88	75	55	Avg		

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

TEMPERATURE: (°F)

Average monthly
Departure from normal

Highest 69 on
Lowest 28 on
Number of days with

Number of days with —
 Max. 32° or below
 Max. 90° or above
 Min. 32° or below

Min. 0° or below

TIME OF OBSERVATIONS:

(1) Data tabulated in Columns 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, 15, 16, and 17 are for the 24-hour period ending at 8:00 a.m. on the date shown.

(2) Data tabulated in Columns 9 and 10 are the wind direction and velocity at 8:00 a.m.

(3) Column 18 is for the 24-hour period ending at midnight, end of the day, on the date shown.

PRECIPITATION: (In.)

Total for the month 1.61
 Departure from normal -.59

Greatest in 24 hours .55 on 3

[View Details](#)

*2-day total

HOURLY PRECIPITATION (In.)



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

HYSTOL AGRONOMY FARM
CORVALLIS, OREGON
MAY 1964

Date	Latitude 44° 38' N.			Longitude 123° 12' W.			Elevation (ground) 225 ft.			Pacific Standard Time used													
	Temperature (°F)	Precipitation	Wind	Soil Temperatures			Evaporation	Air Temp.	Solar Radiation	Relative Humidity													
1	2 Maximum	3 Minimum	4 Average	5 Growing degree days (base 50°)	6 Growing degree days (base 30°)	7 Total (Water equivalent in.)	8 Snow, Sleet (In.)	9 Direction	10 Velocity (MPH)	11 Maximum 2" depth	12 Maximum 4" depth	13 Maximum 3" depth	14 Open pan (In.)	15 Wind movement	16 Max. Min. (1 ft. above ground)	17 Max. Min. (15 ft. above ground)	18 Langley	19 hrs. and mins.)	20 4 a.m.	21 10 a.m.	22 4 p.m.	23 10 p.m.	24 Date
1	58	36	42	2	0	.11			2	16/41	16/46	.02	.89	16/36	15/37	319	14	11	21	64	76	1	
2	51	29	40	0	0	.13			Calm	53/13	51/17	.07	.49	16/28	17/32	373	14	17	27	41	86	2	
3	53	31	42	2	0	.01			Calm	57/10	52/12	.20	.47	52/18	19/35	330	14	19	62	49	78	3	
4	55	37	46	6	0	T			Calm	56/39	53/11	.01	.17	**	**	241	14	22	92	63	62	4	
5	55	38	47	7	0	T			SW	5	55/18	52/18	.04	.16	52/37	50/33	295	14	24	73	80	29	5
6	53	32	43	3	0	.09			SW	3	50/12	52/18	.09	.16	52/32	50/33	148	14	26	98	76	46	6
7	61	38	50	10	0	.01			Calm	61/16	58/16	.12	.16	61/10	56/38	222	14	29	88	23	64	8	
8	55	43	49	9	0	.01			Calm	57/17	51/19	.03	.26	50/11	50/11	273	14	32	88	58	88	9	
9	60	37	47	7	0				Calm	60/17	56/52	.07	.8	51/36	52/37	281	14	35	96	76	55	10	
10	63	41	52	12	2	T			SE	3	62/57	57/19	.08	.62	61/12	341	14	38	92	77	45	11	
11	63	38	51	11	1	.01			N	4	60/16	59/11	.09	.31	63/37	60/39	615	14	40	96	60	35	12
12	68	35	52	12	2				S	3	71/15	61/18	.18	.28	72/37	67/39	160	14	42	97	93	63	13
13	55	33	44	4	0	.04			Calm	53/16	53/50	.03	.10	50/32	51/36	469	14	44	95	19	36	14	
14	57	35	46	6	0				Calm	67/15	61/16	.13	.29	53/31	53/36	488	14	46	78	52	30	15	
15	61	37	49	9	0				NE	6	67/18	61/17	.12	.32	61/35	51/37	659	14	49	32	72	16	16
16	67	37	52	12	2				Calm	71/17	61/19	.13	.25	66/36	61/38	363	14	50	94	49	44	17	
17	65	48	57	7	7	T			S	5	65/51	63/51	.12	-	61/15	60/16	437	14	52	92	56	40	18
18	58	51	60	20	10				Calm	72/53	66/54	.15	80*	71/18	65/18	111	14	55	87	62	47	19	
19	69	57	57	17	7				Calm	79/50	72/50	.18	.32	71/16	66/15	575	14	57	92	51	39	20	
20	72	49	61	21	11	.1h			SW	4	85/57	76/56	.19	.32	75/16	70/16	293	14	59	96	76	62	21
21	60	45	53	13	3	T			S	3	62/52	62/56	.12	102	57/13	56/15	378	14	1	84	50	40	22
22	61	40	51	11	1				SW	4	70/51	61/57	.17	.59	62/40	59/11	365	14	3	87	75	42	23
23	60	38	49	9	0				N	11	68/17	61/52	.10	.58	59/39	56/10	695	14	5	83	63	23	24
24	70	37	54	14	4				N	3	80/48	71/50	.21	.39	70/35	66/37	700	14	7	92	60	35	25
25	65	40	53	13	3				N	11	80/49	72/54	.25	.83	65/40	59/10	737	14	8	76	52	29	26
26	70	45	58	18	8				SE	3	05/52	71/52	.31	.17	68/16	65/13	681	14	10	53	61	40	27
27	78	47	63	23	13				Calm	87/58	78/60	.30	.76	78/43	75/45	598	14	12	94	55	55	28	
28	73	45	59	19	9								.20	.61	77/43	59/13	106	14	13	79	70	46	29
29	64	49	57	17	7				NW	7	75/59	71/61	.12	.32	62/16	59/18	589	14	14	91	63	37	30
30	71	59	59	19	9				N	3	83/58	75/59	.19	.38	69/14	65/15	665	14	16	95	67	35	31
31	81	47	64	24	14				Calm	91/58	82/60	.20	.24	82/45	79/45	596	14	18	95	67	35	Sum	
Sum	1952	1242				.55	0						1.25	1.6		Wd8		89	65	65	76	Avg.	
Avg	63.0	40.3											69/16	63/51	60/53								

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

TEMPERATURE: (°F)

- (1) Data tabulated in Columns 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, 15, 16, and 17 are for the 24-hour period ending at 8:00 a.m. on the date shown.

Number of days with —

Max. 32° or below 0
Max. 90° or above 0
Min. 32° or below 2
Min. 0° or below 0

- (2) Data tabulated in Columns 9 and 10 are the wind direction and velocity at 8:00 a.m.
(3) Column 18 is for the 24-hour period ending at midnight, end of the day, on the date shown.

TIME OF OBSERVATIONS:

- Total for the month .55
Departure from normal - 1.38
Greatest in 24 hours .14 on 20

#2-day total

**data missing

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	.03	.01	.02					.01	.06	.01														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	
14																								14	
15																								15	
16																								16	
17																								17	
18																								18	
19																								19	
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21																								21	
22																								22	
23																								23	
24																								24	
25																								25	
26																								26	
27																								27	
28																								28	
29																								29	
30			</td																						



U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

LOCAL CLIMATOLOGICAL DATA

HYSLOP AGRONOMY FARM
CORVALLIS, OREGON
JULY 1964

Date	Latitude 44° 38' N.				Longitude 123° 12' W.				Elevation (ground)				225 ft.				Pacific Standard time used												
	Temperature (°F)				Precipitation				Wind				Soil Temperatures				Evaporation				Solar Radiation				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	4 a.m.	10 a.m.	4 p.m.	10 p.m.	Date	
1	75	50	63	23	13	23	13	23	13	23	13	23	13	23	13	23	13	23	13	23	13	23	13	23	13	23	13	1	
2	65	53	59	19	9	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	2
3	68	52	55	15	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	3	
4	73	48	61	21	11	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	4
5	70	43	57	17	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	5
6	74	46	60	20	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	6	
7	81	59	67	27	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	7	
8	86	57	72	32	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	8	
9	68	59	51	14	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	9
10	78	66	62	22	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	10	
11	81	56	70	30	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	11	
12	91	51	74	34	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	12	
13	90	51	71	31	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	13	
14	86	59	73	33	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	14	
15	66	55	61	21	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	15	
16	70	54	57	17	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	16
17	78	49	61	24	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	17	
18	75	55	65	25	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	18	
19	70	58	59	19	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	19
20	80	66	63	23	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	20	
21	73	56	65	25	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	21	
22	72	52	62	22	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	22	
23	73	57	60	20	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	23	
24	82	54	68	28	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	24	
25	90	53	72	32	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	25	
26	91	47	69	29	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	26	
27	86	53	70	33	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	27	
28	92	53	73	33	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	28	
29	90	56	73	33	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	29	
30	83	55	69	29	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	30	
31	66	55	63	21	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	31	
	Sum	2432	1571																										Sum
Avg	78.5	50.7																											Avg

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

- TEMPERATURE: (°F)**
 TIME OF OBSERVATIONS:
 (1) Data tabulated in Columns 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, 15, 16, and 17 are for the 24-hour period ending at 8:00 a.m.
 Departure from normal - 1.8
 Highest 94 on 12
 Lowest 39 on 9
 Number of days with -
 Max. 32° or below 0
 Max. 90° or above 6
 Min. 32° or below 0
 Min. 0° or below 0
 (2) Data tabulated in Columns 9 and 10 are the wind direction and velocity at 8:00 a.m.
 (3) Column 18 is for the 24-hour period ending at midnight, end of the day, on the date shown.

PRECIPITATION: (In.)
 Total for the month .57
 Departure from normal + .23
 Greatest in 24 hours .32 on 15
 **data missing

Date	A. M. Hour ending at												P. M. Hour ending at														
	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
14																											14
15																											15
16																											16
17																											17
18																											18
19																											



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

HYSIOP AGRONOMY FARM
CORVALLIS, OREGON
AUGUST 1964

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

TEMPERATURE: (°F)

TEMPERATURE: (°F)
 Average monthly 63
 Departure from normal - 2
 Highest 93 on 23 & 24
 Lowest 40 on 11

Number of days with -

Max. 32° or below
Max. 90° or above
Min. 32° or below
Min. 60° or above

Min. 0° or below

TIME OF OBSERVATIONS

(1) Data tabulated in Columns 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, 15, 16, and 17 are for the 24-hour period ending at 8:00 a.m. on the date shown.

on the date shown.

(2) Data tabulated in Columns 9 and 10 are the wind direction and velocity at 8:00 a.m.

(3) Column 18 is for the 24-hour period ending at midnight, end of the day, on the date

PRECIPITATION: (In.)

PRECIPITATION: (in.)

Total for the month	.23
Departure from normal	- .18
Constituted in 24 hours	.07

Greatest in 24 hours .97 on 1

HOURLY PRECIPITATION (In.)



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

HYSLOP AGRONOMY FARM
CORVALLIS, OREGON
SEPTEMBER 1964

Latitude 44° 38' N.			Longitude 123° 12' W.			Elevation (ground)			225 ft.			Pacific Standard time used													
Date	Temperature (°F)			Precipitation			Wind			Soil Temperatures			Evaporation			Air Temps.			Solar Radiation			Relative Humidity			
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	67	45	56	16	6																				
2	70	47	59	19	9																				
3	68	50	59	19	9																				
4	71	43	59	19	9																				
5	80	43	62	22	12																				
6	74	45	60	20	10																				
7	67	44	56	16	6																				
8	63	49	56	16	6																				
9	67	38	53	13	3																				
10	71	39	55	15	5																				
11	78	39	59	19	9																				
12	82	40	61	21	11																				
13	83	41	62	22	12																				
14	74	47	61	21	11																				
15	72	43	58	18	8																				
16	79	45	62	22	12																				
17	76	49	63	23	13																				
18	68	37	53	13	3																				
19	69	39	54	14	4																				
20	73	46	60	20	10																				
21	67	37	52	12	2																				
22	71	40	56	16	6																				
23	76	53	65	25	15																				
24	83	52	68	28	18																				
25	82	46	66	24	14																				
26	68	47	58	18	8																				
27	80	45	63	23	13																				
28	79	39	59	19	9																				
29	75	40	58	18	8																				
30	63	48	56	16	6																				
31																									
Sum	2199	1116				.31	0																		
Avg.	73.3	43.9																							

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

TEMPERATURE: (°F)

Average monthly 58.6
Departure from normal -3.5
Highest 83 on 13 & 24
Lowest 37 on 18 & 21
Number of days with -
Max. 32° or below 0
Max. 90° or above 0
Min. 32° or below 0
Min. 0° or below 0

TIME OF OBSERVATIONS:

(1) Data tabulated in Columns 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, 15, 16, and 17 are for the 24-hour period ending at 8:00 a.m.
(2) Data tabulated in Columns 9 and 10 are the wind direction and velocity at 8:00 a.m.
(3) Column 18 is for the 24-hour period ending at midnight, end of the day, on the date shown.

PRECIPITATION: (In.)

Total for the month .31
Departure from normal -1.03
Greatest in 24 hours .29 on 17

**data missing

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
14																									14
15																									15
16																									16
17																									17
18																									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																									31



U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

LOCAL CLIMATOLOGICAL DATA

 HYSLOP AGRONOMY FARM
 CORVALLIS, OREGON
 NOVEMBER 1964

Date	Latitude 44° 38' N.				Longitude 123° 12' W.				Elevation (ground)				225 ft.				Pacific Standard time used							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Date
1	57	45	31	11	1	.21																		1
2	56	41	19	9	0	.45																		2
3	59	43	51	11	1	.19																		3
4	60	50	55	15	5	.63																		4
5	55	39	47	7	0	.33																		5
6	51	28	40	0	0																			6
7	49	32	41	1	0																			7
8	51	38	45	5	0																			8
9	43	40	42	2	0	.21																		9
10	51	41	46	6	0	.21																		10
11	57	38	43	3	0	.82																		11
12	44	38	41	1	0	.58																		12
13	43	33	38	0	0	.62	T																	13
14	44	32	38	0	0																			14
15	39	25	32	0	0																			15
16	42	26	34	0	0																			16
17	51	26	39	0	0																			17
18	49	26	38	0	0																			18
19	43	26	35	0	0																			19
20	35	27	31	0	0																			20
21	34	28	31	0	0																			21
22	40	30	35	0	0	.20																		22
23	50	36	43	3	0	.21																		23
24	51	45	48	8	0	1.04																		24
25	55	38	47	7	0	1.00																		25
26	47	36	42	2	0	.84																		26
27	41	34	38	0	0	.49																		27
28	45	37	41	1	0	.36																		28
29	54	41	48	8	0	.48																		29
30	56	50	53	13	3	.34																		30
31																								31
Sum	1642	1069				9.23	0																	Sum
Avg.	18.1	35.6																						Avg.

In columns 7, 8, 9 and 10 the Hourly Precipitation table indicates an amount too small to measure.

TEMPERATURE: (°F)

 Average monthly 41.9
 Departure from normal -2.8

 Highest 60 on 4
 Lowest 25 on 15

Number of days with -

Max. 32° or below 0

Max. 90° or above 0

Min. 32° or below 11

Min. 0° or below 0

TIME OF OBSERVATIONS:

(1) Data tabulated in Columns 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, 15, 16, and 17 are for the 24-hour period ending at 8:00 a.m.

(2) Data tabulated in Columns 9 and 10 are the wind direction and velocity at 8:00 a.m.

(3) Column 18 is for the 24-hour period ending at midnight, end of the day, on the date shown.

PRECIPITATION: (In.)

 Total for the month 9.23
 Departure from normal + 3.50

Greatest in 24 hours 1.0h on 24

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



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

HYSLOP AGRONOMY FARM
CORVALLIS, OREGON
DECEMBER 1941

Latitude	11° 38' N.			Longitude	123° 12' W.			Elevation (ground)	229 ft.			Standard time used														
	Temperature (°F)	Precipitation	Wind		Soil Temperatures	Evaporation	Air Temps.		Relative Humidity																	
Date	1 Maximum	2 Minimum	3 Average	4 Growing degree days (base 50°)	5 Growing degree days (base 50°)	6 Total (Water equivalent in.)	7 Show, Sleet (In.)	8 Direction	9 Velocity (MPH)	10 Maximum, Minimum 2" depth	11 Maximum, Minimum 4" depth	12 Maximum, Minimum 8" depth	13 Open pan (in.)	14 Wind movement	15 Max. Min. (ft. above ground)	16 Max. Min. (ft. above ground)	17 Langsley	18 Day length (sunrise to sunset hrs. and mins.)	19	20	21	22	23	Date		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
1	55	50	53	13	1	.57																				1
2	56	46	51	11	1	.19																				2
3	56	40	48	8	0	.16																				3
4	50	38	48	4	0																					4
5	43	39	41	1	0	.34																				5
6	48	33	41	1	0	.02																				6
7	40	34	37	0	0	.03																				7
8	51	40	46	6	0	.34																				8
9	52	40	46	6	0	.02																				9
10	51	43	47	7	0	.55																				10
11	49	35	42	2	0	.17																				11
12	43	31	37	0	0	.04																				12
13	44	30	37	0	0																					13
14	39	31	35	0	0	.16																				14
15	49	36	43	3	0	.40																				15
16	43	28	36	0	0	.15																				16
17	29	10	20	0	0																					17
18	20	10	15	0	0	.02																				18
19	34	17	26	0	0	.22																				19
20	38	32	35	0	0	.93																				20
21	42	34	38	0	0	2.18																				21
22	59	40	50	10	0	1.96																				22
23	61	50	56	16	6	1.41																				23
24	53	45	49	2	0	.80																				24
25	56	42	49	9	0	.26																				25
26	52	43	48	8	0	.88																				26
27	51	37	41	4	0	.30																				27
28	41	32	37	0	0	.13																				28
29	35	32	34	0	0	.55																				29
30	38	32	35	0	0	.35																				30
31	35	29	32	0	0	.10																				31
Sum	1113	1079	1113	8	8	11.27	5.3																		Sum	
Avg	15.6	34.8	11.3	8	8	1.1.27	5.3																		Avg.	

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

TEMPERATURE: (°F)

Average monthly 40.2
Departure from normal -0.8
Highest 61 on 23
Lowest 10 on 17 & 18
Number of days with —

Max. 32° or below 2
Max. 90° or above 0
Min. 32° or below 12
Min. 0° or below 0

TIME OF OBSERVATIONS:

(1) Data tabulated in Columns 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, 15, 16, and 17 are for the 24-hour period ending at 8:00 a.m. on the date shown.

PRECIPITATION: (In.)

Total for the month 13.27
Departure from normal +6.22
Greatest in 24 hours 2.18 on 21

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

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.
16. Maximum and Minimum Air Temperatures, 1 foot above ground, 24-hour period ending at 8:00 a.m.
17. Maximum and Minimum Air Temperatures, 15 feet above ground, 24-hour period ending at 8:00 a.m.
18. Total Incoming Solar Radiation, Langleys, 24-hour period midnight to midnight.
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. DECENTNIAL CENSUS OF UNITED STATES CLIMATE - OREGON, MONTHLY NORMALS OF TEMPERATURE, PRECIPITATION AND HEATING DEGREE DAYS, 1962. Author: U. S. Weather Bureau Publication.