

**CLIMATE DATA FOR VARIOUS LOCATIONS IN SONOMA, NAPA,  
MENDOCINO, LAKE AND MARIN COUNTIES, CALIFORNIA**

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The climate data in this publication was compiled from several sources. Frequently, three sources of climate data were utilized to compile information for individual locations.

For all locations, the source utilized to obtain each weather parameter is indicated by an upper case letter. These are referenced in CLIMATE DATA SOURCES. A definition of each weather parameter is provided in DEFINITIONS.

### **APRIL 2000:**

Since the first printing of this county publication in December 1993, web-based access to historical climate data has resulted in a shift from the print medium to electronic means of accessing data. As a result, sources "A" and "B" listed on page 2 are out of print.

The UC Statewide Integrated Pest Management (IPM) project web-site contains thirty-year average climate data for 1961 – 1990 for many of the locations listed in the publication. The University of California IPM web-site address under source "B" on page 2 will also link you to CIMIS data in Source "C".

The CIMIS web-site provides information on evapotranspiration (ET) and reference ET (Eto) for selected stations (locations) in the state. The Eto data presented in this publication is for specific years, by location. The average CIMIS ETo by station in the web-site is for a more recent time period than what is presented here.

**CLIMATE DATA SOURCES**  
**UTILIZED IN THIS PUBLICATON**

**April 2000 Update: Information in bold type**

- A. “Average Daily Air Temperatures And Precipitation in California”  
Cooperative Extension, Division of Agricultural Science. University of California, 1983.  
Special Publication 3285.  
[Contains data for the period 1951-1980.]

**Out of Print**

- B. Daily Average Air Temperatures And Precipitation In California  
Statewide Integrated Pest Management Project,  
Division of Agricultural and Natural Resources. University of California, 1993.  
Second Edition.[Contains data for the period 1961-1990.]

**Out of Print**

**Data now available on-line at <http://www.ipm.ucdavis.edu>  
Under “How to Manage Pests”, click on “Weather Data & Products”, then select  
county and submit.**

- C. CIMIS: California Irrigation Management Information System.

California Department of Water Resources, Division of Planning and Local Assistance.  
[CIMIS is an integrated computer network of more than 80 computerized weather stations.  
It is designed to help growers and large turf managers (parks, gold courses, etc.) develop  
water budgets for determining when to irrigate and how much to apply.]

**CIMIS Help Line: 1-800-922-4647**

**Access CIMIS information on-line at:**

**<http://www.cimis.water.ca.gov/cimis/welcome.jsp>**

**You may also access data directly from the UC IPM site given in source “B”.**

- D. “Irrigation Scheduling: A Guide for Efficient On-Farm Water Management.”

University of California, Division of Agriculture and Natural Resources.  
Publication 21454  
Appendix B: Reference Crop Evapotranspiration.  
Order online at <http://anrcatalog.ucdavis.edu> or call 1-800-994-8849.

**DEFINITIONS**  
**OF WEATHER PARAMETERS UTILIZED**  
**IN THIS PUBLICATION**

<b>ET<sub>o</sub></b>	Reference Evapotranspiration (ET <sub>o</sub> ), in inches per month. ET <sub>o</sub> is defined as the net irrigation requirement for a cool season grass species that is not water stressed. Evapotranspiration for a specific crop is obtained by multiplying ET <sub>o</sub> by the crop coefficient (K <sub>c</sub> ). The result is referred to as the Crop Evapotranspiration (ET <sub>c</sub> ).
<b>AVE MAX, MIN TEMPERATURE</b>	Average maximum and minimum temperature in degrees Fahrenheit.
<b>RAINFALL</b>	Precipitation in inches.
<b>HIGH, LOW TEMPERATURE</b>	Highest and lowest temperature in degrees Fahrenheit.

**CLIMATE DATA FOR VARIOUS LOCATIONS IN SONOMA, NAPA, MENDOCINO, LAKE AND MARIN COUNTIES, CALIFORNIA**

**CLOVERDALE 1961-1990**

**SONOMA COUNTY**

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
AVG MAX	*B	58	62	65	71	78	85	91	90	86	77	64	57	
AVG MIN	*B	37	40	42	44	48	52	53	53	52	48	43	37	
RAIN	*B	8.99	6.96	6.2	2.4	.62	.3	0	.31	.6	2.79	6.9	7.44	43.51
ET <sub>o</sub>	*D	1.1	1.43	2.56	3.43	5	5.91	6.22	5.62	4.49	2.81	1.42	.73	40.72
HIGH	*C	85	86	90	100	105	112	115	114	113	106	94	80	
LOW	*C	25	21	30	30	35	36	41	42	39	32	27	17	

**FORT ROSS 1951-1980**

**SONOMA COUNTY**

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
AVG MAX	*A	57	58	59	60	62	65	66	67	68	66	61	57	
AVG MIN	*A	42	43	42	43	45	47	48	49	50	48	45	42	
RAIN	*A	8.71	6.01	4.54	2.97	.73	.35	.12	.33	.7	2.66	5.23	6.56	38.91
ET <sub>o</sub>	*D	1.22	1.43	2.2	2.95	3.66	4.49	4.15	4.27	3.43	2.44	1.18	.49	31.91

**GRATON 1961-1990**

**SONOMA COUNTY**

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
AVG MAX	*B	56	62	64	70	76	81	84	84	82	76	64	56	
AVG MIN	*B	35	37	39	40	43	47	48	48	47	43	39	35	
RAIN	*B	8.99	6.38	5.58	2.4	.62	.3	0	0	.6	2.48	6.6	7.13	41.08
HIGH	*C	84	82	85	98	100	108	113	107	112	106	90	78	
LOW	*C	20	17	26	27	31	33	39	36	33	22	22	14	

**CLIMATE DATA FOR VARIOUS LOCATIONS IN SONOMA, NAPA, MENDOCINO, LAKE AND MARIN COUNTIES, CALIFORNIA**

**HEALDSBURG 1961-1990**

**SONOMA COUNTY**

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
AVG MAX	*B	58	63	67	72	79	85	90	89	86	79	66	57	
AVG MIN	*B	39	42	43	45	42	53	53	54	53	49	44	39	
RAIN	*B	8.99	6.96	5.89	2.4	.62	0	0	.62	.6	2.48	6.9	7.44	42.9
ET <sub>o</sub>	*D	1.22	1.54	2.43	3.54	5	5.91	6.1	5.61	4.49	2.81	1.42	.73	40.8
HIGH	*C	85	84	90	96	105	113	116	109	114	108	96	83	
LOW	*C	25	21	29	33	37	39	41	42	39	30	27	14	

**PETALUMA 1951-1980**

**SONOMA COUNTY**

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
AVG MAX	*A	56	61	64	68	72	78	83	83	83	76	66	57	
AVG MIN	*A	38	40	41	42	46	50	51	52	51	47	42	38	
RAIN	*A	5.95	3.97	2.64	1.71	.31	.17	.05	.08	.25	1.4	3.16	4.33	24.02
ET <sub>o</sub>	*D	1.22	1.54	2.81	3.66	4.64	5.61	4.64	5.74	4.49	2.93	1.42	.85	39.55

**SANTA ROSA 1961-1990**

**SONOMA COUNTY**

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
AVG MAX	*B	58	63	65	70	75	80	84	83	83	77	65	57	
AVG MIN	*B	37	40	41	42	46	50	51	52	51	47	42	37	
RAIN	*B	6.2	4.64	4.34	1.8	.31	.3	0	0	.6	1.86	4.8	4.96	29.81
ET <sub>o</sub>	*D	1.22	1.65	2.81	3.66	5	6.02	6.1	5.86	4.49	2.93	1.54	.73	42.01
HIGH	*C	85	83	87	98	100	108	110	105	110	105	92	83	
LOW	*C	23	23	26	30	35	38	43	42	37	30	23	16	

**CLIMATE DATA FOR VARIOUS LOCATIONS IN SONOMA, NAPA, MENDOCINO, LAKE AND MARIN COUNTIES, CALIFORNIA**

**SONOMA 1961-1990**

**SONOMA COUNTY**

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
AVG MAX	*B	58	64	67	72	78	85	90	90	88	80	66	58	
AVG MIN	*B	36	39	40	41	45	49	50	51	49	45	41	36	
RAIN	*B	6.51	4.64	4.03	1.8	.31	.3	0	0	.3	1.86	4.8	4.65	29.2
HIGH	*C	84	84	89	100	105	112	116	107	110	107	91	80	
LOW	*C	22	20	24	27	30	34	40	36	30	30	22	13	

**WINDSOR 1991-1992**

**SONOMA COUNTY**

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
AVG MAX	*C	58	66	62	70	76	78	81	82	83	80	69	57	
AVG MIN	*C	34	41	41	41	44	47	52	50	48	45	39	35	
RAIN	*C	1.99	7.67	10.4	1.27	.11	.78	0	0	0	1.94	4.47	5.44	34.06
ET <sub>o</sub>	*C	1.24	2.07	2.82	4.63	6.03	6.07	6.44	5.67	4.36	3.54	1.89	1.03	45.79
HIGH	*C	75	79	77	87	92	96	102	97	98	101	85	70	
LOW	*C	19	29	29	32	33	37	44	40	42	31	27	27	

**CLIMATE DATA FOR VARIOUS LOCATIONS IN SONOMA, NAPA, MENDOCINO, LAKE AND MARIN COUNTIES, CALIFORNIA**

**NAPA 1961-1990**

**NAPA COUNTY**

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
AVG MAX	*B	57	63	66	71	76	81	83	83	83	77	65	57	
AVG MIN	*B	38	41	42	44	48	52	54	54	53	49	43	39	
RAIN	*B	5.27	4.06	3.72	1.5	.31	0	0	0	.3	1.55	3.9	4.03	24.64
HIGH	*C	85	80	87	95	103	113	108	105	108	106	89	81	
LOW	*C	23	25	25	30	30	38	43	41	40	32	27	14	

**SAINT HELENA 1961-1990**

**NAPA COUNTY**

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
AVG MAX	*B	57	62	65	72	79	85	90	89	85	77	65	57	
AVG MIN	*B	36	39	40	42	47	51	53	53	50	46	41	36	
RAIN	*B	8.37	6.09	4.96	1.8	.31	0	0	0	.6	2.17	5.4	5.89	35.59
ET <sub>o</sub>	*D	1.22	1.54	2.81	3.9	5.13	6.14	6.96	6.22	4.84	3.05	1.42	.85	44.08
HIGH	*C	83	84	90	98	104	111	115	108	111	103	92	83	
LOW	*C	21	24	24	29	30	37	40	32	37	32	23	14	

**YOUNTVILLE 1961-1990**

**NAPA COUNTY**

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ET <sub>o</sub>	*D	1.34	1.65	2.81	3.9	5.13	6.02	7.08	6.1	4.84	3.05	1.54	.85	44.31



**CLIMATE DATA FOR VARIOUS LOCATIONS IN SONOMA, NAPA, MENDOCINO, LAKE AND MARIN COUNTIES, CALIFORNIA**

**HOPLAND 1989-1993**

**MENDOCINO COUNTY**

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
AVG MAX	*C	57	60	62	67	74	82	90	90	87	78	65	57	
AVG MIN	*C	36	40	41	43	47	51	55	55	53	49	41	35	
RAIN	*C	4.89	5.98	6.47	1.16	1.98	.72	.03	.05	.35	1.18	3.72	4.17	30.7
ET <sub>o</sub>	*C	1.25	1.78	2.83	4.36	5.59	6.77	7.94	5.79	4.14	3.49	1.83	1.17	46.94
HIGH	*C	70	79	80	90	97	103	108	110	103	99	82	72	
LOW	*C	28	25	30	33	37	40	47	47	46	37	31	15	

**POTTER VALLEY 1961-1990**

**MENDOCINO COUNTY**

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
AVG MAX	*B	57	61	64	69	78	86	94	92	88	77	63	56	
AVG MIN	*B	33	37	38	39	43	49	53	52	48	43	37	34	
RAIN	*B	9	6.96	5.89	2.7	.93	.14	.07	.31	.9	2.79	6.9	7.75	44.34
HIGH	*C	104	87	90	94	102	110	113	116	110	101	106	99	
LOW	*C	3	19	22	25	20	22	33	31	33	21	19	12	

**UKIAH 1961-1990**

**MENDOCINO COUNTY**

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
AVG MAX	*B	58	62	64	70	77	85	92	92	87	78	64	57	
AVG MIN	*B	36	39	40	42	47	52	55	55	51	46	40	36	
RAIN	*B	7.75	6.09	5.27	2.4	.62	0	0	.31	.6	2.17	6.3	6.82	38.33
ET <sub>o</sub>	*D	.98	1.32	2.56	3.31	5	5.79	6.71	5.86	4.49	2.81	1.3	.73	40.86
HIGH	*C	82	83	90	97	101	114	114	113	110	105	92	79	
LOW	*C	21	18	27	28	31	37	43	41	38	24	24	13	

**CLIMATE DATA FOR VARIOUS LOCATIONS IN SONOMA, NAPA, MENDOCINO, LAKE AND MARIN COUNTIES, CALIFORNIA**

**CLEARLAKE 1961-1990**

**LAKE COUNTY**

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
AVG MAX	*B	55	59	62	68	78	87	94	93	86	76	62	55	
AVG MIN	*B	29	32	35	38	44	51	53	52	47	35	35	30	
RAIN	*B	5.27	3.77	3.41	1.5	.31	.14	.04	.08	.01	1.55	3.9	4.34	24.32
HIGH	*C	76	81	86	94	101	114	113	112	107	99	89	78	
LOW	*C	8	16	17	23	28	34	39	30	30	21	20	6	

**LAKEPORT 1961-1990**

**LAKE COUNTY**

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
AVG MAX	*B	55	59	63	69	79	88	95	87	87	76	61	54	
AVG MIN	*B	32	35	36	38	43	50	54	53	49	42	37	33	
RAIN	*B	6.2	4.64	3.72	1.8	.31	.3	0	0	.6	1.86	4.8	5.27	29.5
ET <sub>o</sub>	*D	1.1	1.32	2.56	3.54	5.13	6.02	7.32	6.1	4.72	2.93	1.24	.85	42.83
HIGH	*C	79	79	87	91	99	106	112	112	105	101	86	80	
LOW	*C	17	15	21	24	29	33	42	40	35	23	20	9	

**LOWER LAKE 1961-1990**

**LAKE COUNTY**

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ET <sub>o</sub>	*D	1.22	1.43	2.69	4.49	5.25	6.26	7.44	6.41	4.96	3.05	1.3	.92	45.42

**CLIMATE DATA FOR VARIOUS LOCATIONS IN SONOMA, NAPA, MENDOCINO, LAKE AND MARIN COUNTIES, CALIFORNIA**

**NOVATO 1986-1993**

**MARIN COUNTY**

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
AVG MAX	*C	56	62	65	71	74	79	83	82	82	78	67	56	
AVG MIN	*C	36	38	42	44	47	50	52	53	50	46	41	35	
RAIN	*C	5.21	5.59	4.81	4.81	.36	.27	.07	.08	.29	2.31	3.86	4.24	31.9
ET <sub>o</sub>	*C	1.27	1.83	3.03	3.03	5.34	5.95	6.7	5.71	4.37	3.26	2.01	1.11	43.61
HIGH	*C	73	76	82	82	96	101	113	110	100	99	86	80	
LOW	*C	23	22	30	30	32	41	44	45	42	32	28	16	

**SAN RAFAEL 1961-1990**

**MARIN COUNTY**

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ET <sub>o</sub>	*D	1.22	1.32	2.44	3.3	4.03	4.84	4.84	4.88	4.25	2.69	1.3	.73	35.84