



# Western Weather Group's Sonoma County Forecast

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Sunday October 14, 2018 issued 8:30am

**HIGHLIGHTS:** Low clouds & fog burning off by midday w/ sunny skies & NE winds developing this afternoon ushering in a warmer & much drier air mass over the county. Windy tonight in the hills (not so much in the valleys). A Red Flag Warning is in effect through midday Monday for the North Bay Hills. Winds back off tomorrow afternoon. Dry all week.

		Weather	Max/Min	Dew Pts	POPs	Amounts	Winds
<b>TODAY</b>	Alexander/Dry Crk Vly	LoClDs→Sunny	80-84	20-50	0%	none	<b>E-NE 5-15 G20-25</b>
	Russian River, Green Vly & Petaluma Gap	↓	↓	35-50	↓	↓	Var 0-5→NE 5-15
	Sonoma Valley	↓	↓	↓	↓	↓	↓
<b>TONIGHT</b>	Alexander/Dry Crk Vly	Clear	50-60	20-30	0%	none	<b>NE 5-15 G20-30</b>
	Russian River, Green Vly & Petaluma Gap	↓	38-50	↓	↓	↓	NE 0-15
	Sonoma Valley	↓	↓	↓	↓	↓	↓
<b>Monday</b>	Alexander/Dry Crk Vly	Sunny	82-87	20-30	0%	none	NE-E 5-20→NW 3-12
	Russian River, Green Vly & Petaluma Gap	↓	↓	20-40	↓	↓	NE-E 3-15→W 5-10
	Sonoma Valley	↓	↓	↓	↓	↓	↓

**Forecast Discussion:** An upper level ridge of high pressure is locked in over the eastern Pacific while an upper level trough of low pressure is dropping southward (to our east) into the Great Basin. As the trough continues to dig southward today and tonight a strong NE to SW (offshore) surface pressure gradient will develop, which coupled with upper level support, will lead to breezy/windy conditions across interior NorCal today into Monday. For Sonoma County today there'll be a stark contrast from this morning to later this afternoon as we start the day with light onshore flow and coastal stratus with humidity levels near 100%. As offshore flow develops and strengthens today, much drier air will sweep over the county. The combination of breezy NE winds and lowering humidity levels (with local dew point temperatures dropping into the teens and 20s) will result in critical fire weather conditions and a Red Flag Warning is in effect for the hills of Sonoma County through midday Monday. Some models are showing max wind gusts around 45 mph in the hills of NE Sonoma County tonight. The NE winds should gradually weaken tomorrow as pressure gradients relax.

**Extended Forecast Discussion:** Strong high pressure aloft over the eastern Pacific is forecast to shift into the West Coast by later this week continuing a dry weather pattern with warm days and cool nights. Latest models agree the ridge will break down early the following week as the first in probably a series of troughs moves toward the West Coast. At this point there's at least a slight chance we could see a little rain by Tuesday the 23rd.

OUTLOOK	Tue 10/16	Wed 10/17	Thu 10/18	Fri 10/19	Sat 10/20	Trends Sun 10/21 - Tue 10/23
Weather/Sky	Sunny	Sunny	Sunny	Sunny	Sunny	<b>Max Temps:</b> Above to near normal
Max Temps	82-86	78-83	78-83	80-85	78-83	<b>Min Temps:</b> Near normal
Min Temps	35-50	35-50	36-50	37-51	37-51	<b>Rainfall:</b> Slight Chance Tue-23rd
Chc of Rain	0%	0%	0%	0%	0%	<b>Wx Pattern:</b> Strong ridge holds over NorCal
Amounts	none	none	none	none	none	through next weekend but gives way
Winds	Var-SE 3-15	SW-SE 3-12	SW-SE 3-12	SW-SE 3-12	SW-SE 3-12	to a trough early next week

## REGIONAL CLIMATE SUMMARY

13 October 2018 (CIMIS & NWS Stns)	Max/Min	24hr*	Precipitation Seas, since 7/1	% Normal	Past Week ETo	Today's Normals	Today's Records & Year
Ukiah AP	88/43	0.00	<b>1.33</b>	127%	--	77/47	98 (1961), 32 (1966)
Windsor (103)	78/40	--	--	--	0.86	--	--
Sonoma County AP	78/43	0.00	<b>1.34</b>	149%	--	77/49	98 (1978), 34 (1928)
Santa Rosa (083)	76/37	<b>0.01</b>	<b>1.53</b>	--	1.00	--	--
Bennett Valley (158)	79/43	--	--	--	0.82	--	--
Carneros (109)	75/41	0.00	<b>0.56</b>	--	0.89	--	--

# Sonoma County Weather Station Network

## Daily Meteorological Summary

### Saturday, January 0, 1900

Station:	Temperature							WIND			Precipitation		Solar		14-Oct-18 This AM's Min Temp °F (7am)
	Max	time	Min	time	Avg	Avg	Avg	Gust	Gust	24hr	Season	Rad	ETo		
	°F	occur	°F	occur	°F	°F	mph	mph	Dir	In.	7/1→	cal/cm <sup>+</sup>	in.		
Rockpile-Cooley 1825'	86.4	15:22	61.2	23:07	70.6	36.7	30	4.7	12.9	S	0.00	1.57	412	0.18	61.2
Rockpile Lower 1270'	87.5	15:18	56.7	23:44	70.1	38.9	34	1.9	9.3	SE	0.00	1.65	--	0.00	44.0
Cloverdale East	87.2	15:04	46.6	23:57	64.4	43.9	53	4.0	17.0	NNE	0.00	1.48	391	0.15	42.8
Cloverdale SE 625'	85.0	14:56	51.7	23:50	65.1	43.3	49	5.4	18.4	SSE	0.00	1.86	380	0.17	46.6
Geyserville West (Gallo)	83.2	14:14	41.8	6:04	58.7	46.1	71	1.0	11.3	N	0.00	1.51	360	0.12	44.2
Geyserville (Hoffman)	81.5	14:59	39.9	7:18	57.9	45.4	70	1.6	11.4	SE	0.00	1.57	345	0.11	43.0
Geyserville	82.2	15:02	43.3	7:34	59.9	46.8	69	1.9	10.7	ESE	0.00	1.41	405	0.13	46.4
Geyserville NE 725'	83.1	14:52	50.6	23:53	63.9	44.9	54	4.0	15.9	SSW	0.00	1.36	390	0.15	47.3
Geyserville South (Nervo)	82.1	14:39	47.0	7:03	62.0	45.8	60	2.2	11.5	WSW	0.00	1.22	--	--	47.8
Alexander Valley (Piccolo)	84.5	14:45	39.0	7:29	57.8	43.3	68	0.9	10.1	SSW	0.00	1.25	394	0.12	43.3
Lytton (River Oaks)	82.3	14:47	38.5	6:57	57.3	44.9	70	1.2	11.2	SSW	0.00	1.24	366	0.11	43.4
Dry Creek Valley	79.0	15:04	40.8	7:13	57.9	47.1	73	3.4	14.5	ESE	0.00	1.53	392	0.13	46.1
Healdsburg South (Sodini)	82.4	13:59	40.6	7:20	57.3	45.9	73	1.9	12.5	SE	--	--	--	--	46.9
Windsor NW	81.4	13:41	45.3	7:12	59.1	48.5	72	2.2	15.0	ESE	0.00	1.65	398	0.12	49.2
Windsor East	79.9	13:25	40.1	7:08	55.9	45.9	75	1.5	11.0	S	0.00	1.33	419	0.13	45.2
Windsor SE (Airport)	80.0	13:23	40.7	6:57	56.4	46.1	74	1.6	11.6	SSW	0.00	1.36	427	0.13	48.3
Windsor South (Laughlin Rr)	78.5	13:38	42.2	6:33	56.6	47.9	77	--	--	---	0.00	1.36	--	--	46.5
Lower Westside Rd	80.7	15:21	40.4	7:32	56.7	46.3	75	1.2	10.2	SSW	0.00	1.49	415	0.13	48.1
Forestville (Shone) 235'	78.8	14:06	42.9	7:17	58.0	47.8	73	1.5	9.3	S	0.00	1.43	415	0.12	45.9
Forestville (Wohler Rd)	79.4	15:24	41.6	7:25	57.3	47.9	76	1.7	10.4	S	0.00	1.57	391	0.12	44.3
Forestville (RTV) 65'	80.3	14:18	39.6	7:15	57.1	--	--	1.3	11.4	S	0.00	1.61	396	0.12	42.6
Fulton SW	78.3	13:09	40.4	7:31	55.4	46.4	76	2.2	12.9	S	0.00	1.33	405	0.12	46.4
Lower Mark West Cr (Denn)	74.5	12:40	40.5	7:29	54.6	47.5	80	3.7	16.2	SSE	0.00	1.25	--	--	43.6
Sebastopol (Balletto)	78.4	12:33	39.7	7:21	54.5	46.7	79	1.9	14.7	SW	0.00	1.44	--	--	44.8
Graton West (Dutton Ranch)	75.2	12:24	39.6	7:11	54.9	47.7	82	1.9	13.2	SSW	0.00	1.56	--	--	42.1
Graton South (Mill Station)	71.3	12:11	37.5	7:26	52.9	46.9	83	2.0	20.6	SW	0.00	1.45	--	--	44.7
Fort Ross/Seaview (Hirsch)	76.7	10:37	59.0	22:29	67.5	36.2	33	2.4	8.3	SSW	0.00	2.37	402	0.12	47.9
Lower Bennett Valley	80.0	13:24	37.8	7:26	55.2	43.5	72	1.7	10.1	SW	0.00	1.11	409	0.13	39.0
Kenwood (Kunde)	82.4	13:59	38.5	7:15	57.3	45.1	71	2.0	12.1	SSW	0.00	1.30	386	0.12	46.6
Sonoma Valley (Bedrock)	82.4	15:01	40.6	6:08	58.3	43.5	65	1.7	11.5	N	0.00	2.00	--	--	44.8
Sonoma (Arnold)	83.6	14:59	41.3	7:18	58.9	44.7	66	2.0	12.2	W	0.00	2.22	425	0.14	42.1
Schellville	83.3	15:10	41.4	7:22	59.1	47.3	71	1.9	11.5	E	0.00	1.11	--	--	45.7
Sonoma SE (Napoli)	82.5	16:16	40.1	7:31	58.5	45.5	69	1.4	11.5	SW	0.00	1.29	--	--	40.7
Careros Hilltop	78.4	14:23	49.9	23:39	63.0	45.3	55	4.5	15.3	SW	--	--	--	--	48.4
Careros Lower	78.2	14:03	42.0	6:48	57.7	46.2	69	2.1	12.2	S	0.00	0.66	401	0.12	47.8
Petaluma East	82.6	13:25	40.1	7:32	57.6	46.4	72	2.4	13.4	WNW	0.00	1.24	395	0.13	52.2
South Lakeville	76.5	13:40	43.9	7:35	58.6	48.6	73	3.8	15.6	NW	0.00	2.05	382	0.12	48.2

### Daily Biometeorological Summary

Station:	Powdery Mildew				Growing Degree Days (T>50°F)				Min Battery Volts
	Continuous Hours		Stress* Category	Actual PTS	Accumulations to date, begin 4/1			max to date	
	70-85°F	T>95°F			Yesterday	Season**	Normal		
Rockpile-Cooley 1825'	6.5	0.0	light	0	20.6	#REF!	#REF!	#REF!	12.3
Rockpile Lower 1270'	--	--	n/a	--	20.1	--	--	--	12.9
Cloverdale East	2.1	0.0	light	0	14.6	#REF!	#REF!	#REF!	12.4
Cloverdale SE 625'	3.4	0.0	light	0	15.1	#REF!	#REF!	#REF!	12.5
Geyserville West (Gallo)	7.5	0.0	light	0	10.9	#REF!	#REF!	#REF!	12.4
Geyserville (Hoffman)	7.6	0.0	light	0	10.5	#REF!	#REF!	#REF!	12.1
Geyserville	7.6	0.0	light	0	11.2	#REF!	#REF!	#REF!	12.5
Geyserville NE 725'	8.3	0.0	light	0	13.9	#REF!	#REF!	#REF!	12.6
Geyserville South (Nervo)	7.7	0.0	light	0	12.2	#REF!	#REF!	#REF!	11.7
Alexander Valley (Piccolo)	7.1	0.0	light	0	10.8	#REF!	#REF!	#REF!	12.1
Lytton (River Oaks)	7.2	0.0	light	0	10.3	#REF!	#REF!	#REF!	12.0

Dry Creek Valley	6.8	0.0	severe	60	9.8	#REF!	#REF!	#REF!	11.5
Healdsburg South (Sodini)	6.6	0.0	light	0	9.7	#REF!	#REF!	#REF!	11.6
Windsor NW	6.1	0.0	light		9.6	#REF!	#REF!	#REF!	12.5
Windsor East	5.9	0.0	severe	60	8.7	#REF!	#REF!	#REF!	12.6
Windsor SE (Airport)	5.9	0.0	severe	60	8.6	#REF!	#REF!	#REF!	12.5
Windsor South (Laughlin Rd)	4.5	0.0	light	0	8.0	#REF!	#REF!	#REF!	13.5
Lower Westside Rd	6.4	0.0	light	0	9.4	#REF!	#REF!	#REF!	12.5
Forestville (Shone) 235'	6.1	0.0	light	10	9.1	#REF!	#REF!	#REF!	12.0
Forestville (Wohler Rd)	7.0	0.0	light	0	9.1	#REF!	#REF!	#REF!	12.5
Forestville (RTV) 65'	6.9	0.0	light	0	9.4	#REF!	#REF!	#REF!	12.1
Fulton SW	4.9	0.0	light	0	7.7	#REF!	#REF!	#REF!	12.4
Lower Mark West Cr (Denner)	2.6	0.0	light	0	6.9	#REF!	#REF!	#REF!	12.5
Sebastopol (Balletto)	3.8	0.0	light	10	7.1	#REF!	#REF!	#REF!	12.1
Graton West (Dutton Ranch)	4.8	0.0	light	10	7.7	#REF!	#REF!	#REF!	13.1
Graton South (Mill Station)	1.1	0.0	light	0	6.1	#REF!	#REF!	#REF!	13.2
Fort Ross/Seaview (Hirsch)	4.1	0.0	light	30	17.5	#REF!	#REF!	#REF!	12.6
Lower Bennett Valley	6.6	0.0	light	30	9.6	#REF!	#REF!	#REF!	12.3
Kenwood (Kunde)	6.7	0.0	light	0	10.1	#REF!	#REF!	#REF!	12.1
Sonoma Valley (Bedrock)	6.6	0.0	light	0	10.4	#REF!	#REF!	#REF!	11.7
Sonoma SE (Napoli)	8.0	0.0	light	20	10.5	#REF!	#REF!	#REF!	11.4
Carneros Hilltop	6.9	0.0	n/a	--	13.0	--	--	--	12.3
Carneros Lower	7.5	0.0	moderate	50	9.5	#REF!	#REF!	#REF!	12.7
Petaluma East	6.1	0.0	light	0	9.8	#REF!	#REF!	#REF!	12.5
South Lakeville	7.7	0.0	severe	60	9.4	#REF!	#REF!	#REF!	12.5

\*season ends 10/1

\*\*season ends 11/15 & some stations are less than 2 yrs old

Sonoma County forecast	ETo 10/14 - 10/20	7 day outlook Past week ( 10/7 - 10/13 ) summary		Daily max	min	7 day total	period normal	percent normal
		normal	forecast					
Geyserville		0.74	0.85	####	#REF!	#REF!	0.84	#REF!
Windsor		0.72	0.83	####	#REF!	#REF!	0.79	#REF!
Graton		0.68	0.75	0.20	0.09	1.00	0.72	139%
Petaluma		0.67	0.74	0.20	0.10	0.97	0.75	129%
Carneros		0.78	0.86	0.16	0.11	0.89	0.86	103%
Kenwood		0.68	0.75	0.16	0.08	0.82	0.75	109%

Sonoma County Heat Stress											
Time period when temperature criteria met											
	Coastal Interior			North Interior			South Interior				
	10am-noon	noon-2pm	2-4pm	10am-noon	noon-2pm	2-4pm	10am-noon	noon-2pm	2-4pm		
80°F	---	---	---	---	---	---	---	---	---		
85°F	---	---	---	---	---	---	---	---	---		
90°F	---	---	---	---	---	---	---	---	---		
95°F	---	---	---	---	---	---	---	---	---		
5 Day Average High:		72.6		5 Day Average High:		80.0		5 Day Average High:		78.3	
Today's Forecast High:		0		Today's Forecast High:		0		Today's Forecast High:		0	