



Western Weather Group's Sonoma County Forecast

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Questions about upcoming weather impacts? Call and talk with a WWG meteorologist

Saturday June 23, 2018 issued 8:30am

HIGHLIGHTS: Very hot conditions expected today with highs reaching the 108F mark. Persistent onshore flow will cool all locations on Sunday and Monday. Brief warm up on Tuesday. Otherwise, temperatures will hover around average through the end of the work week.

SHORT TERM SPECIFICS		Weather	Max/Min	Dew Pts	POPs	Amounts	Winds
TODAY	Alexander/Dry Crk Vly	Sunny	103-108	38-45	0%	none	N 3-12→S-SE 5-15 G20
	Russian River, Green Vly & Petaluma Gap	↓	95-103	↓	↓	↓	Var 0-10→S-SE 5-15 G20
	Sonoma Valley	↓	99-104	↓	↓	↓	↓
TONIGHT	Alexander/Dry Crk Vly	Clear	53-58	42-52	0%	none	S-Var 3-10
	Russian River, Green Vly & Petaluma Gap	↓	49-54	↓	↓	↓	SE-Var 0-10
	Sonoma Valley	↓	↓	↓	↓	↓	↓
Sunday	Alexander/Dry Crk Vly	Sunny	84-89	47-55	0%	none	Var 0-10→S-SE 5-15 G20
	Russian River, Green Vly & Petaluma Gap	↓	75-83	↓	↓	↓	Var 0-10→S-SE 10-20 G25
	Sonoma Valley	↓	80-85	↓	↓	↓	↓

Forecast Discussion: A strong ridge of high pressure will center itself over the Golden State today. This will trigger afternoon highs to climb very quickly today with temperatures peaking around the 108F mark for the furthest inland areas. This ridge will begin its eastward migration over the Great Basin tomorrow afternoon, opening up the door for a trough to plunge southward from the Gulf of Alaska. As a result, more persistent onshore flow will return, likely altering afternoon temperatures for all locations especially near coastal gaps. Afternoon highs will cool down greatly with temperatures rising into the lower 80s for coastal areas and middle to upper 80s for inland locales.

Extended Forecast Discussion: Highs will cool into the upper 70s to lower 80s on Monday as a trough swings through the Pacific Northwest. However, a compact cell of high pressure will quickly transit through the state on Tuesday allowing temperatures to possibly warm back into the lower 90s. Models are mixed but near normal temperatures are likely throughout the latter half of the work week as high pressure battles disturbances entering the Intermountain West.

OUTLOOK	Mon 6/25	Tue 6/26	Wed 6/27	Thu 6/28	Fri 6/29	Trends Sat 6/30 - Mon 7/2
Weather/Sky	AM Clds/Sun	M Sunny	M Sunny	M Sunny	M Sunny	Max Temps: Near normal
Max Temps	75-89	77-91	75-89	80-90	83-93	Min Temps: Near normal
Min Temps	45-53	42-52	40-48	42-50	45-53	Rainfall: none
Chc of Rain	0%	0%	0%	0%	0%	Wx Pattern: Computer models become mixed regarding warming trend or continued average temperatures.
Amounts	none	none	none	none	none	
Winds	S-SE 5-20	S-SE 5-20	S-SE 5-25	SW-W 5-25	SW-W 5-25	

REGIONAL CLIMATE SUMMARY

22 June 2018	Precipitation				Past Week	Today's	
(CIMIS & NWS Stns)	Max/Min	24hr*	Seas, since 7/1	% Normal	ETo	Normals	Today's Records & Year
Ukiah AP	98/53	0.00	23.06	57%	--	85/54	108 (1929), 40 (1899)
Windsor (103)	M/M	--	--	--	1.47	--	--
Sonoma County AP	95/48	0.00	23.72	73%	--	80/53	107 (1909), 39 (1918)
Santa Rosa (083)	M/M	--	--	--	--	--	--
Bennett Valley (158)	M/M	--	--	--	--	--	--
Carneros (109)	M/M	--	--	--	--	--	--

Sonoma County Weather Station Network

Daily Meteorological Summary

Friday, June 22, 2018

23-Jun-18

Station:	Temperature				Avg	Avg	WIND			Precipitation		Solar	ETo	This AM's Min Temp °F (7am)	
	Max °F	time occur	Min °F	time occur	Avg °F	DewPt °F	RH %	Avg mph	Gust mph	Gust Dir	24hr In.	Season 7/1→			Rad cal/cm ⁺
Rockpile-Cooley (1825')	95.5	1506	56.8	549	73.6	43.9	37	9.5	28.1	WNW	0.00	26.60	716	0.33	60.1
Rockpile Lower (1380')	99.1	1431	60.0	606	76.5	43.3	33	5.1	23.5	W	0.00	26.15	---	---	63.0
Cloverdale East	102.9	1509	52.3	322	78.5	48.0	39	3.4	16.8	WNW	0.00	21.94	707	0.28	66.3
Cloverdale SE 625'	102.4	1524	60.8	257	79.2	46.3	34	5.2	17.9	NNW	0.00	21.98	704	0.31	66.6
Geyserville West (Gallo)	100.1	1431	43.5	418	74.5	48.3	49	1.1	11.0	--	0.00	24.38	708	0.23	65.1
Geyserville (Hoffman)	99.4	1602	43.6	604	74.0	49.6	50	2.4	14.6	W	0.00	22.31	619	0.24	65.1
Geyserville	100.3	1619	48.8	523	76.7	49.2	46	3.9	18.4	W	0.00	20.46	738	0.31	68.1
Geyserville NE 725'	99.2	1532	56.6	514	77.6	48.9	40	4.0	19.7	S	0.00	22.06	699	0.29	64.1
Geyserville South (Nervo)	99.8	1808	51.1	540	77.3	49.9	45	3.6	18.2	NNW	0.00	19.84	---	---	66.9
Alexander Valley (Piccolo)	100.3	1828	44.5	601	73.8	46.4	45	1.7	15.8	NW	0.00	23.50	736	0.26	57.4
Lytton (River Oaks)	100.0	1531	44.5	540	73.4	50.3	52	2.7	16.8	NW	0.00	22.92	661	0.26	63.9
Dry Creek Valley	97.3	1637	47.0	448	74.2	50.2	51	4.8	16.0	WNW	0.00	24.79	697	0.30	66.3
Healdsburg South (Sodini)	99.6	1513	45.7	510	72.4	51.3	56	1.9	12.1	SE	0.00	21.08	---	---	60.4
Windsor NW	100.3	1717	50.1	628	72.7	53.3	58	2.0	11.5	SE	0.00	25.28	718	0.25	63.6
Windsor East	95.9	1510	45.2	557	70.2	50.8	59	1.7	11.3	SW	0.00	21.87	693	0.25	59.4
Windsor SE (Airport)	95.5	1444	46.8	609	70.9	50.4	55	1.6	11.6	SSW	0.00	22.89	739	0.26	57.9
Windsor South (Laughlin Rr)	97.1	1501	47.3	555	70.5	51.4	58	---	---	---	0.00	26.75	---	---	57.2
Lower Westside Rd	98.7	1801	45.1	615	70.2	51.7	61	1.3	10.8	SE	0.00	26.73	665	0.23	54.0
Forestville (Shone) 235'	97.9	1720	47.2	559	71.1	52.3	58	1.5	11.4	S	0.00	27.72	716	0.24	56.7
Forestville (Wohler Rd)	99.6	1658	44.9	618	70.2	52.7	62	1.7	12.8	S	0.00	27.89	700	0.25	54.8
Forestville (RTV) 65'	98.4	1818	44.4	606	70.1	--	--	1.3	10.8	SE	0.00	28.35	698	0.24	52.8
Fulton SW	95.0	1530	46.1	526	69.3	50.2	58	2.2	13.4	WSW	0.00	22.71	676	0.24	54.8
Lower Mark West Cr (Denn)	92.7	1710	44.7	601	68.1	51.4	62	3.4	16.9	SSE	0.00	25.11	---	---	53.8
Sebastopol (Balletto)	93.0	1459	43.1	552	66.7	49.4	61	2.1	14.0	SSW	0.00	25.91	---	---	51.6
Graton West (Dutton Ranch)	95.2	1647	43.1	549	68.8	51.9	64	1.8	12.5	SSE	0.00	31.99	---	---	52.7
Graton South (Mill Station)	89.0	1645	41.7	543	65.8	51.1	65	2.0	16.0	SW	0.00	27.49	---	---	51.5
Fort Ross/Seaview (Hirsch)	91.4	1624	61.0	500	75.0	45.6	37	2.4	20.4	NNW	0.00	42.52	721	0.29	64.6
Lower Bennett Valley	94.2	1548	43.0	516	68.6	49.4	59	2.4	11.8	SSW	0.00	23.15	714	0.26	50.3
Kenwood (Kunde)	95.4	1435	43.9	553	70.6	50.5	57	1.6	14.0	SW	0.00	22.56	727	0.25	51.0
Sonoma Valley (Bedrock)	98.8	1612	45.2	524	70.7	47.0	53	1.6	13.8	NNE	0.00	20.52	---	---	49.9
Sonoma SE (Napoli)	100.7	1533	46.2	613	71.8	51.0	58	1.5	12.5	W	0.00	17.79	---	---	51.4
Careros Hilltop	96.3	1555	53.8	608	71.5	53.6	61	4.5	19.4	WSW	---	---	---	---	58.7
Careros Lower	96.5	1627	48.2	515	69.0	53.6	65	2.5	13.3	SSE	0.00	16.53	668	0.23	53.2
Petaluma East	96.6	1550	45.0	522	69.8	48.7	55	3.1	14.7	NW	0.00	17.26	732	0.28	51.5
South Lakeville	93.6	1716	44.6	421	69.1	51.0	59	2.9	15.0	NNW	0.00	16.47	706	0.25	49.3

** [Latest Group Weather Data HERE](#) **

Daily Biometeorological Summary

Station:	Powdery Mildew			Actual PTS	Growing Degree Days (T>50°F)				Min Battery Volts
	Continuous Hours 70-85°F	Stress* T>95°F	Category		Accumulations to date, begin 4/1				
					Yesterday	Season**	Normal	max to date	
Rockpile-Cooley (1825')	3.3	0.2	severe	70	23.6	729	817	887	12.3
Rockpile Lower (1380')	4.4	1.4	n/a	--	26.5	--	--	--	12.9
Cloverdale East	4.4	5.3	severe	60	28.5	1053	1092	1124	12.5
Cloverdale SE 625'	3.6	5.0	light	20	29.2	974	1021	1067	12.5
Geyserville West (Gallo)	5.1	4.8	moderate	50	25.6	982	950	1098	12.4
Geyserville (Hoffman)	3.9	4.4	light	10	24.7	975	1019	1142	12.2
Geyserville	3.5	5.2	moderate	40	26.8	1063	1063	1063	12.6
Geyserville NE 725'	4.1	4.5	moderate	50	27.6	941	989	1037	12.7
Geyserville South (Nervo)	4.0	5.5	severe	80	27.3	1023	1071	1120	11.6
Alexander Valley (Piccolo)	3.8	4.9	severe	80	24.4	969	980	1100	12.1
Lytton (River Oaks)	2.5	4.8	light	10	23.9	954	987	1097	12.1
Dry Creek Valley	4.0	4.0	severe	80	24.4	980	814	1096	12.0
Healdsburg South (Sodini)	2.4	4.8	severe	80	22.9	944	1021	1063	11.5

Windsor NW	2.2	3.9	severe	70	22.7	943	985	1028	12.6
Windsor East	2.5	1.1	severe	80	20.8	869	869	869	12.7
Windsor SE (Airport)	3.0	0.1	severe	80	21.2	868	868	868	12.6
Windsor South (Laughlin Rd)	2.5	0.9	severe	80	20.7	857	919	981	13.1
Lower Westside Rd	2.5	3.1	severe	80	20.8	877	877	877	12.6
Forestville (Shone) 235'	2.6	2.3	severe	80	21.2	852	902	1021	12.2
Forestville (Wohler Rd)	3.0	2.1	severe	80	20.8	837	896	956	12.6
Forestville (RTV) 65'	2.3	3.5	severe	80	20.7	863	955	1053	12.1
Fulton SW	2.4	0.0	severe	80	19.8	787	876	922	12.7
Lower Mark West Cr (Denner)	2.4	0.0	severe	80	18.7	750	841	891	12.6
Sebastopol (Balletto)	2.6	0.0	moderate	50	17.7	721	773	908	12.2
Graton West (Dutton Ranch)	2.2	0.0	severe	90	19.7	788	853	935	12.9
Graton South (Mill Station)	3.8	0.0	light	30	17.0	663	698	830	13.0
Fort Ross/Seaview (Hirsch)	4.4	0.0	light	10	25.0	613	687	761	12.7
Lower Bennett Valley	2.7	0.0	severe	60	19.8	699	789	852	12.6
Kenwood (Kunde)	2.6	0.4	severe	80	21.2	789	880	1140	12.2
Sonoma Valley (Bedrock)	2.6	3.3	severe	80	21.2	845	947	1018	11.6
Sonoma SE (Napoli)	2.4	3.8	severe	90	22.1	838	926	1014	11.2
Carneros Hilltop	3.0	1.1	n/a	--	21.5	--	--	--	12.4
Carneros Lower		0.7	light		19.1	774	839	915	12.8
Petaluma East	2.3	0.6	light	0	20.5	785	785	785	12.6
South Lakeville	2.4	0.0	severe	90	19.8	751	862	920	12.6

*season ends 10/1

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

Powdery Mildew Stress Outlook. Stress should relax some today, through most areas will likely continue to see severe stress heading into early next week thanks to milder temperatures.

Sonoma County forecast	ETo	7 day outlook		Past week (6/16 - 6/22) summary				
		6/23 - 6/29	6/23 - 6/29	Daily max	min	7 day total	period normal	percent normal
Geyserville		normal	forecast					
		1.70	1.96	0.27	0.23	1.77	1.65	107%
Windsor		1.54	1.77	0.28	0.16	1.50	1.53	98%
Graton		1.47	1.62	0.26	0.20	1.47	1.38	107%
Petaluma		1.47	1.69	0.25	0.20	1.44	1.47	98%
Carneros		1.56	1.79	0.20	0.16	1.49	1.54	97%
Kenwood		1.54	1.77	0.23	0.19	1.28	1.55	83%

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	x	x	x	x	x	x	x	x	x
85°F	x	x	x	x	x	x	x	x	x
90°F	---	x	x	x	x	x	x	x	x
95°F	---	x	x	---	x	x	---	x	x

5 Day Average High:	76.4	5 Day Average High:	88.2	5 Day Average High:	84.3
Today's Forecast High:	95	Today's Forecast High:	106	Today's Forecast High:	99