



Western Weather Group's Lodi Wine Country Forecast

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This forecast is brought to you by the Lodi Winegrape Commission

WWG weather stations can provide valuable data to help mitigate crop damage

Sunday October 14, 2018 issued 6:30am

HIGHLIGHTS: Dry weather with temperatures generally averaging about 3-4 degrees above normal each day through next weekend. Slightly cooler today with breezy NW winds developing this afternoon. Continued locally breezy in spots tonight; easing winds tomorrow. A **Red Flag Warning** is in effect for much of NorCal through tomorrow evening.

FORECAST SPECIFICS

		Weather	Max/Min	Dew Pts	POPs	Amounts	Winds
TODAY	(am)	Sunny	81-86	25-40	0%	none	Var-N 0-10→3-12
	(pm)						NW 5-15 G20-25
TONIGHT		Clear	40-52	20-30	0%	none	N-NE 3-15 G20
Monday		Sunny	80-85	15-30	0%	none	NW 3-15

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. The strongest winds should occur along the west side of the Sacramento Valley, the Sierra Nevada foothills, and portions of the Coastal Range (not a big north wind event really for the Lodi Area). The combination of breezy north winds and lowering humidity levels will result in critical fire weather conditions and a Red Flag Warning is in effect for portions of interior NorCal through Monday evening. The north winds should gradually weaken late tomorrow as pressure gradients relax. Northerly to offshore flow will continue on Tuesday but not as breezy as today & tomorrow.

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 (highs in the low/mid 80s) and cool nights (lows mainly in the lower 40s). 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.

EXTENDED RANGE OUTLOOK

	Tue 10/16	Wed 10/17	Thu 10/18	Fri 10/19	Sat 10/20	Trend Sun 10/21 - Tue 10/23
Weather	Sunny	Sunny	Sunny	Sunny	Sunny	Max Temps: Above to near normal
Max T	79-84	80-85	80-85	81-86	80-85	Min Temps: Near normal
Min T	37-47	38-48	38-48	39-49	40-50	Precipitation: Unlikely
POP	0%	0%	0%	0%	0%	Wx Pattern: Strong ridge holds over NorCal
Amounts	none	none	none	none	none	through next weekend but gives way
Winds	NW 3-12	Var-W 3-12	W-SW 3-12	Var-NW 3-12	NW-N 3-12	to a trough early next week

REGIONAL AIRPORT CLIMATE SUMMARY

	Max/Min	Seasonal Rainfall					ETo		
		Recent Rainfall	2018-19	2017-18	normal	Daily	Past week	since 1/1	
		24hr	7day	to date	to date	to date			
Sacramento	85/48	0.00	0.00	0.04	0.00	0.61	0.14	1.04	--
Stockton	85/49	0.00	0.00	1.28	0.01	0.53	0.14	1.01	--

Daily normals & extremes - Sacramento 79/51, 96 (1991), 42 (1985); Stockton 79/50, 96 (1961), 39 (1966)

*Airport rainfall totals are from 4pm PST to 4pm PST (5pm PDT to 5pm PDT)

Forecasting & Instrumentation

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Lodi Area Daily Meteorological Summary by AVA
Saturday, October 13, 2018

Station:	Temperature				Avg Temp °F	Avg DewPt °F	RH %	WIND			Precip 24hr in.	Precip since 7/1 in.	Solar Rad cal/cm ⁺	ETo in.	14-Oct-18 Today's Min Temp °F (6am)
	Max °F	time occur	Min °F	time occur				Avg mph	Gust mph	Gust Dir					
Alta Mesa-Lodi															
Colony Road North	84.7	16:23	43.6	6:40	62.0	42.3	57.4	0.8	7.6	--	0.00	0.60	419	0.12	45.6
Colony Road South	87.0	16:20	43.7	5:33	62.5	43.5	58.1	0.9	6.3	--	0.00	1.15	420	0.12	45.0
Borden Ranch-Lodi															
Clay Station	83.5	15:43	45.8	6:10	63.4	40.8	49.7	2.2	10.8	WNW	0.00	0.43	439	0.14	49.2
Simmerhorn	83.5	16:42	43.5	5:15	62.0	40.6	51.0	--	--	--	--	--	--	--	42.8
Galt East	83.7	16:01	43.5	6:51	62.0	44.6	60.0	1.5	8.8	WNW	0.00	1.23	419	0.13	44.1
Borden Hills	86.9	16:25	45.9	7:13	64.9	44.0	51.8	0.0	9.5	W	0.00	0.01	409	0.00	45.3
Sierra Loma	85.6	16:23	45.3	7:04	64.5	43.6	51.8	1.9	9.4	NW	0.00	0.25	--	--	44.6
Clements Hills-Lodi															
Lockeford	83.7	16:26	43.2	7:14	61.6	-5.1	44.2	1.3	9.6	WNW	0.00	1.41	404	0.11	43.4
Lone Oak	82.5	16:09	42.2	7:09	59.6	46.0	68.0	2.2	10.6	W	0.00	0.79	0	0.03	42.1
Jahant-Lodi															
Kost Road-South	84.7	15:25	42.6	6:20	62.2	42.7	54.9	1.8	10.2	NW	0.00	0.08	379	0.12	41.9
Thornton	84.5	16:16	41.1	6:26	61.4	41.7	55.1	1.3	10.5	WNW	0.00	0.13	369	0.12	40.6
Lodi	84.3	16:35	43.8	7:13	62.4	42.9	56.2	1.5	10.8	WSW	0.00	0.45	420	0.13	44.8
Gilbeau Ranch	84.9	16:50	42.1	7:15	61.7	43.0	58.6	1.2	11.2	WNW	0.00	0.38	435	0.13	42.6
Consumnes River-Lodi															
Galt West	85.6	15:26	41.1	6:12	62.2	42.9	55.6	1.8	13.2	W	0.00	0.02	393	0.12	39.8
Valley Oak	86.6	15:18	40.5	6:56	61.3	41.7	56.5	1.5	9.4	WNW	0.00	0.04	423	0.13	40.0
Lodi-CD11															
Lodi SW - Guard Rd	85.1	15:50	44.8	7:04	63.5	43.0	53.3	1.5	12.9	WNW	0.00	0.15	429	0.13	41.8
Linden	82.7	15:08	42.0	6:26	59.5	45.3	67.1	0.7	7.4	SSW	0.00	--	--	--	45.5
Mokelumne River-Lodi															
DeVries Road-North	84.7	16:19	41.3	7:08	62.1	43.6	57.1	1.6	9.7	NW	0.00	0.23	380	0.12	41.5
Acampo	84.2	15:33	43.6	7:21	62.1	44.9	61.3	0.7	8.1	NNW	0.00	0.90	429	0.12	43.7
Lodi West	85.1	15:09	44.8	6:25	63.5	43.0	53.3	1.5	12.9	WNW	0.00	0.15	429	0.13	44.2
Acampo East	83.2	15:36	42.2	6:35	61.8	43.9	59.5	0.9	8.6	N	0.00	0.82	378	0.11	47.3
Victor North	83.5	15:45	43.5	7:27	62.3	44.5	59.4	0.8	8.1	NW	0.00	1.90	--	--	43.4
Sloughhouse-Lodi															
Sheldon	85.6	17:09	42.0	5:16	61.0	41.8	59.4	1.1	10.5	WNW	0.00	0.51	429	0.13	40.1
Sloughhouse	84.5	15:44	39.8	7:16	58.9	41.2	63.0	0.5	10.5	SW	0.00	0.67	182	0.06	40.3
Outside CD11 (West)															
Freeport West	88.9	15:15	41.1	7:12	63.1	44.4	59.0	2.5	8.6	NNW	0.00	0.00	376	0.13	38.9
Clarksburg+	86.7	15:24	43.2	6:28	63.7	43.5	54.9	2.6	11.6	SW	0.00	0.01	426	0.14	--
Clarksburg SW	88.0	16:38	38.5	7:16	62.3	43.1	57.3	1.6	9.3	N	0.00	0.00	438	0.13	49.5
Clarksburg SE	87.1	15:52	38.1	6:29	61.3	43.6	60.4	2.1	10.0	SW	0.00	0.01	406	0.13	36.1
Hood	85.7	15:52	37.7	6:19	61.7	43.6	59.5	2.0	11.3	W	0.00	0.01	403	0.13	--
Elk Grove (Circle K)	84.3	15:02	41.7	5:53	61.6	38.4	48.8	1.9	8.4	W	0.00	0.00	424	0.13	45.4
Courtland	85.0	16:24	40.2	7:25	62.6	42.6	53.4	2.8	15.3	W	0.00	0.00	--	--	44.1
Walnut Grove North	86.5	15:49	43.5	4:40	64.2	44.7	54.4	2.7	12.2	W	0.00	0.03	386	0.13	47.9
Ryer Island South	87.4	15:00	41.0	6:29	64.7	41.1	47.6	3.1	13.7	W	0.00	0.00	425	0.14	52.8
Outside CD11 (South)															
Collegeville	83.8	15:44	44.2	6:15	62.5	43.6	56.3	2.6	13.7	WNW	0.00	0.71	460	0.15	43.6
Escalon	84.8	14:28	44.4	6:51	63.7	45.9	60.9	1.0	9.7	NNW	0.00	0.03	--	--	44.7
Lathrop West	86.6	15:37	46.7	5:19	65.7	44.3	51.5	2.7	14.6	NW	0.00	0.19	435	0.15	45.5

* Blocked by trees
 ** Not in a vineyard

To view the data and station locations click here: www.westernwx.com/map/?g=mlodi
 or to view a tabular display click here: http://www.westernwx.com/history/sival/loidi_last.htm

Lodi Area Daily Biometeorological Summary by AVA

Saturday, October 13, 2018

Station:	Continuous hours		Powdery Mildew Stress* category (pts)	Leaf Wetness hours	Growing Degree Days (T>50°F)**				Min battery volts
	70-85°F	T>95°F			yest.	Accumulations to date, begin 4/1 season**	normal	max (yr)***	
Alta Mesa-Lodi									
Colony Road North	8.1	0.0	severe(100)		13.0	3285	3456	3624 (2017)	12.8
Colony Road South	5.3	0.0	severe(90)		13.5	3440	3610	3791 (2017)	12.5
Borden Ranch-Lodi									
Clay Station	6.1	0.0	severe(100)		13.7	3450	3524	3824 (2014)	11.9
Simmerhorn	8.4	0.0	light(0)		12.9	3470	3638	3830 (2014)	12.4
Galt East	7.7	0.0	severe(100)		12.8	3444	3609	3917 (2014)	12.3
Borden Hills	5.4	0.0	severe(70)		15.1	3808	3954	4100 (2017)	12.6
Sierra Loma	8.6	0.0	severe(100)		14.7	3719	3892	4064 (2017)	12.6
Clements Hills-Lodi									
Lockeford	7.8	0.0	severe(100)		12.5	3516	3567	3905 (2014)	12.1
Lone Oak	7.3	0.0	severe(100)		10.9	3273	3429	3584 (2017)	12.6
Jahant-Lodi									
Kost Road-South	8.1	0.0	severe(100)		13.2	3476	3656	3836 (2017)	12.4
Thornton	7.4	0.0	severe(100)		12.9	3464	3547	3862 (2014)	11.8
Lodi	8.1	0.0	severe(100)		13.3	3472	3382	3750 (2017)	12.6
Gilbeau Ranch	7.9	0.0	severe(90)		12.8	3764	3841	3936 (2015)	12.1
Consumnes River-Lodi									
Galt West	7.5	0.0	severe(100)		13.5	3676	3714	3810 (2015)	12.3
Valley Oak	7.3	0.0	severe(100)		13.1	3339	3584	3736 (2017)	12.1
Lodi-CD11									
Lodi SW - Guard Rd	8.3	0.0	severe(80)		14.2	3300	3503	3609 (2015)	12.4
Linden	7.4	0.0	severe(100)		11.0	3184	3396	3577 (2017)	12.3
Mokelumne River-Lodi									
DeVries Road-North	7.7	0.0	severe(100)		13.1	3401	3562	3723 (2017)	12.6
Acampo	7.7	0.0	severe(100)		13.1	3465	3478	3773 (2014)	13.5
Lodi West	8.3	0.0	severe(100)		14.2	3835	3903	4153 (2017)	12.4
Acampo East	7.7	0.0	severe(100)		13.0	3436	3564	3719 (2017)	12.3
Victor North	7.9	0.0	severe(100)		13.1	3522	3694	3867 (2017)	11.8
Live Oak not availak			light(0)			3620	3486	3806 (2014)	
Sloughhouse-Lodi									
Sheldon	5.3	0.0	severe(80)		12.8	3475	3477	3769 (2014)	12.5
Sloughhouse	7.3	0.0	severe(100)		11.1	3301	3473	3796 (2014)	12.6
Outside CD11 (West)									
Freeport West	3.6	0.0	severe(80)		14.5	3560	3665	3770 (2017)	11.8
Clarksburg+	4.2	0.0	severe(90)		14.4	3570	3537	3840 (2017)	12.2
Clarksburg SE	4.4	0.0	severe(90)		13.8	3485	3622	3758 (2017)	12.5
Hood	7.4	0.0	severe(100)		13.9	3429	3644	3826 (2017)	12.1
Elk Grove (Circle K)	7.4	0.0	severe(100)		13.0	3235	3334	3674 (2014)	12.9
Courtland	7.9	0.0	severe(100)		13.8	3330	3483	3637 (2017)	12.6
Walnut Grove North	4.9	0.0	severe(80)		14.9	3590	3741	3892 (2017)	12.5
Ryer Island South	2.4	0.0	severe(80)		15.8	3717	3817	3935 (2014)	12.6
Outside CD11 (South)									
Collegeville	7.7	0.0	severe(100)		13.1	3879	3860	3975 (2017)	12.2
Lathrop West	5.4	0.0	severe(80)		15.9	3935	3547	4074 (2017)	12.5

*season begins 3/1

**season begins 4/1

*** max since 2006

Lodi Area ETo Forecast	7 day outlook 10/14 - 10/20		Past week (10/7 - 10/13) summary				
	normal	forecast	Daily		7 day total	period normal	percent normal
Staten Island	0.79	0.79	max	min	1.16	0.94	123%
Holt	0.79	0.79	0.26	0.13	1.13	0.94	120%
Manteca	0.74	0.74	0.25	0.13	1.01	0.86	117%
Ripon	0.74	0.74	0.20	0.12			

Lodi Area Heat Stress

Time period when temperature criteria met

	<u>Delta</u>			<u>Northern Interior</u>			<u>Southern Interior</u>		
	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
85°F	---	---	---	---	---	x	---	---	---
90°F	---	---	---	---	---	---	---	---	---
95°F	---	---	---	---	---	---	---	---	---

5 Day Average High: 82.9
 Today's Forecast High: **82**

5 Day Average High: 83.2
 Today's Forecast High: **85**

5 Day Average High: 80.8
 Today's Forecast High: **83**