



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

Saturday June 23, 2018 issued 6:30am

HIGHLIGHTS: Very hot conditions expected today with breezy north winds and highs reaching the 106F mark. Onshore flow develops tomorrow afternoon and lingers into Monday, cooling the area off greatly. Near to slightly above normal temps should continue for the latter half of the work week as onshore winds keep heating in check.

FORECAST SPECIFICS

	Weather	Max/Min	Dew Pts	POPs	Amounts	Winds
TODAY	Sunny	101-106	35-45	0%	none	NW 3-12→W-NW5-15 G20
TONIGHT	Clear	62-67	40-50	0%	none	W 5-20→Var 0-10
Sunday	Sunny	92-97	45-55	0%	none	SW-W 5-15→10-25 G25-35

Forecast Discussion: A strong ridge of high pressure will center itself over the Golden State today allowing winds to organize and strengthen out of the north. This will result in gusts reaching 20 mph for many locations with locally higher gusts possible for northern portions of the area. These dry north winds will trigger afternoon highs to climb very quickly today with temperatures peaking around the 106F mark. 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, strong onshore flow will return with a vengeance (25-35 mph). These winds will likely alter afternoon temperatures for all locations especially for areas near the delta. The timing of these winds will determine how warm the area will get but highs in the upper 80s to lower 90s is anticipated.

Extended Forecast Discussion: Highs will cool into the upper 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 warm by a couple of degrees. 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. These conditions may generate even stronger north winds by next weekend but its to soon to be definitive.

EXTENDED RANGE OUTLOOK

	Mon 6/25	Tue 6/26	Wed 6/27	Thu 6/28	Fri 6/29	Trend Sat 06/30 - Mon 07/2
Weather	Sunny	Sunny	M Sunny	M Sunny	M Sunny	Max Temps: Near to above normal
Max T	86-91	90-95	87-92	89-95	93-98	Min Temps: Near normal
Min T	56-61	52-57	51-56	52-57	55-60	Precipitation: none
POP	0%	0%	0%	0%	0%	Wx Pattern: Models disagree on whether or not unseasonably warm temps return.
Amounts	none	none	none	none	none	
Winds	SW-W 5-25	SW-W 5-20	SW-W 5-20	SW-W 5-15	SW-W 5-20	

REGIONAL AIRPORT CLIMATE SUMMARY

22 June 2018

	Max/Min	Recent Rainfall		Seasonal Rainfall			ETo		
		24hr	7day	2017-18 to date	2016-17 to date	normal to date	Daily	Past week	since 1/1
Sacramento	101/58	0.00	0.00	15.45	35.52	18.64	--	--	--
Stockton	105/56	0.00	0.00	9.20	22.61	14.17	--	--	--

Daily normals & extremes - Sacramento 89/57, 105 (2006), 48 (1955); Stockton 90/58, 108 (1964), 50 (1955)

*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
Friday, June 22, 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.	23-Jun-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	100.1	1757	52.2	559	76.3	---	47.6	1.7	11.0	--	0.00	17.05	769	0.27	58.0
Colony Road South	101.4	1635	51.6	517	77.4	---	45.7	2.0	9.3	--	0.00	15.59	755	0.27	57.7
Borden Ranch-Lodi															
Clay Station	101.3	1555	52.7	455	78.4	48.1	42.2	4.2	15.7	W	0.00	11.25	770	0.31	60.8
Simmerhorn	99.3	1654	51.0	542	76.5	---	46.6	---	---	--	---	---	---	---	58.2
Galt East	98.8	1637	50.8	511	76.3	52.5	50.8	3.0	14.0	W	0.00	14.20	763	0.29	57.9
Borden Hills	103.6	1732	52.9	610	79.4	53.1	47.4	4.3	13.5	W	0.00	15.76	679	0.29	60.8
Sierra Loma	102.0	1755	53.1	557	79.1	53.0	47.7	3.1	14.7	WNW	0.00	15.96	---	---	60.1
Clements Hills-Lodi															
Lockeford	99.2	1554	51.9	515	77.5	-6.1	22.6	3.0	13.8	WNW	0.00	16.80	563	0.25	59.2
Lone Oak	98.8	1621	47.3	535	74.0	53.7	58.1	3.1	14.6	NW	0.00	11.66	---	---	54.4
Jahant-Lodi															
Kost Road	100.2	1708	54.4	419	78.0	53.3	48.4	3.6	15.1	WSW	0.00	14.45	671	0.28	60.7
Thornton	97.9	1644	51.6	438	75.9	55.1	53.2	1.9	12.1	W	0.00	12.78	---	---	58.8
Lodi	100.2	1710	52.6	445	77.4	50.7	46.1	2.4	10.5	W	0.00	14.41	730	0.27	60.5
Gilbeau Ranch	102.6	1647	54.0	522	79.7	54.7	53.1	2.6	13.6	W	0.00	14.03	706	0.28	61.0
Consumnes River-Lodi															
Galt West	--	1244	54.0	558	79.5	56.1	51.6	2.4	18.4	SSW	0.00	14.99	727	0.28	60.9
Valley Oak	98.7	1658	50.9	535	75.9	52.6	50.9	2.6	11.4	W	0.00	14.41	689	0.26	57.6
Lodi-CD11															
Lodi SW - Guard Rd	99.5	1642	52.1	550	75.0	58.2	61.9	2.3	10.3	W	0.00	12.34	692	0.25	58.6
Linden	99.8	1522	51.5	353	75.1	53.8	57.5	1.1	8.6	NW	0.00	---	---	---	57.5
Mokelumne River-Lodi															
DeVries Road-North	100.1	1648	51.8	424	76.5	52.8	50.1	2.9	12.4	NW	0.00	14.19	708	0.28	59.5
Acampo	99.1	1627	52.8	554	76.8	52.2	49.1	2.2	10.5	W	0.00	14.54	773	0.29	59.0
Lodi West	101.0	1712	53.4	604	78.1	52.8	48.1	2.1	11.2	WNW	0.00	11.93	714	0.27	61.1
Acampo East	98.1	1642	50.4	531	76.5	51.2	47.8	0.1	7.8	--	0.00	12.62	712	0.23	59.6
Victor North	99.4	1648	50.9	501	78.0	49.4	43.7	2.5	11.8	WNW	0.00	11.51	---	---	58.2
<i>Live Oak not available</i>															
Sloughhouse-Lodi															
Sheldon	101.4	1554	50.0	524	76.9	52.6	52.8	2.0	13.2	NNW	0.00	16.01	745	0.28	58.2
Sloughhouse	99.2	1644	48.0	534	75.4	---	---	0.7	12.1	SSW	0.00	16.00	480	0.17	56.3
Outside CD11 (West)															
Freeport West	102.9	1654	53.9	531	78.0	55.2	51.4	2.5	10.2	WNW	0.00	14.03	693	0.25	59.9
Clarksburg+	--	1643	--	550	78.5	53.9	48.9	2.5	10.4	N	0.00	14.21	777	0.28	--
Clarksburg SW	101.7	1647	52.4	555	77.2	54.2	51.3	1.5	8.3	SW	0.00	14.57	753	0.26	59.8
Clarksburg SE	102.5	1625	51.5	535	77.2	54.5	51.9	2.6	10.3	SW	0.00	13.29	709	0.27	55.8
Hood	101.0	1610	34.9	101	76.6	52.6	51.1	2.1	11.6	W	0.00	15.64	655	0.24	--
Elk Grove (Circle K)	100.7	1617	53.7	515	76.3	49.4	44.9	2.2	10.0	NW	0.00	13.60	681	0.24	58.0
Courtland	99.6	1634	55.2	346	77.0	54.4	49.6	3.0	11.3	W	0.00	13.73	---	---	58.2
Walnut Grove North	100.4	1510	55.7	558	78.5	55.1	48.3	3.2	11.8	W	0.00	13.83	686	0.26	62.7
Ryer Island South	100.6	1632	53.3	458	80.2	50.6	39.7	3.1	15.2	W	0.00	14.28	734	0.29	67.3
Outside CD11 (South)															
Collegeville	102.0	1639	54.7	544	79.3	49.5	41.4	5.4	17.2	WNW	0.00	9.88	810	0.35	63.2
Escalon	99.9	1638	56.4	525	78.9	56.0	51.0	1.8	10.7	NNW	0.00	10.50	---	---	64.3
Lathrop West	101.0	1551	54.1	304	78.7	55.6	50.5	3.0	11.4	NW	0.00	8.35	735	0.28	61.3

* 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

Friday, June 22, 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			yeat.	Accumulations to date, begin 4/1 season**	normal	max (yr)***	
Alta Mesa-Lodi									
Colony Road North	3.0	5.0	40	---	26.3	1076	1157	1229 (2016)	12.7
Colony Road South	2.5	6.1	40	---	27.5	1133	1215	1295 (2016)	12.4
Borden Ranch-Lodi									
Clay Station	2.6	5.2	40	0.0	28.5	1104	1153	1301 (2013)	11.9
Simmerhorn	3.0	5.2	80	---	26.5	1130	1240	1339 (2013)	12.5
Galt East	3.4	4.9	40	---	26.3	1108	1195	1384 (2013)	12.3
Borden Hills	3.4	6.9	30	---	29.4	1251	1288	1326 (2017)	12.7
Sierra Loma	3.6	6.6	40	---	29.1	1210	1267	1325 (2017)	12.7
Clements Hills-Lodi									
Lockeford	3.5	6.8	0	0.7	27.5	1148	1213	1404 (2013)	12.3
Lone Oak	3.4	4.7	10	---	24.1	1105	1156	1207 (2017)	12.7
Jahant-Lodi									
Kost Road	3.4	5.1	50	---	28.0	1148	1217	1286 (2017)	12.6
Thornton	3.7	4.0	50	0.0	25.9	1155	1216	1446 (2013)	11.9
Lodi	3.2	5.4	50	0.0	27.4	1138	1147	1264 (2013)	12.6
Gilbeau Ranch	3.1	6.9	10	---	29.7	1238	1295	1352 (2016)	12.1
Consumnes River-Lodi									
Galt West	2.4	7.7	0	---	29.5	1332	1297	1332 (2018)	12.4
Valley Oak	2.9	4.8	50	---	25.9	1119	1242	1323 (2017)	12.2
Lodi-CD11									
Lodi SW - Guard Rd	3.0	2.9	50	0.5	25.0	1122	1226	1327 (2016)	12.4
Linden	3.1	4.5	40	8.8	25.1	955	1120	1237 (2016)	12.2
Mokelumne River-Lodi									
DeVries Road-North	3.8	5.1	50	---	26.5	1101	1151	1201 (2017)	12.7
Acampo	3.6	4.5	40	0.0	26.8	1152	1205	1337 (2013)	13.4
Lodi West	3.3	5.1	40	10.8	28.1	1411	1378	1473 (2017)	12.5
Acampo East	3.4	4.1	40	---	26.5	1154	1207	1268 (2016)	12.4
Victor North	3.2	5.4	40	---	28.0	1156	1239	1322 (2017)	11.6
<i>Live Oak not availak</i>						791	1152	1347 (2013)	
Sloughhouse-Lodi									
Sheldon	2.5	6.4	50	0.0	26.9	1161	1166	1304 (2013)	12.6
Sloughhouse	1.6	6.7	0	0.0	25.5	1063	1136	1279 (2014)	12.6
Outside CD11 (West)									
Freeport West	3.7	5.1	50	---	28.0	1162	1220	1278 (2017)	12.2
Clarksburg+	3.8	5.2	50	---	28.5	1175	1190	1343 (2013)	12.3
Clarksburg SE	3.6	5.4	50	---	27.2	1162	1216	1271 (2017)	12.6
Hood	3.7	4.8	50	---	26.6	1164	1260	1329 (2017)	12.2
Elk Grove (Circle K)	3.7	4.8	80	0.3	26.3	1042	1127	1296 (2013)	12.8
Courtland	3.8	4.4	80	---	27.0	1067	1155	1243 (2017)	12.7
Walnut Grove North	3.8	4.7	80	---	28.5	1191	1234	1276 (2017)	12.6
Ryer Island South	4.5	4.4	80	0.0	30.2	1209	1318	1419 (2013)	12.7
Outside CD11 (South)									
Collegeville	3.5	6.2	40	---	29.3	1303	1310	1354 (2016)	12.3
Lathrop West	3.9	5.6	10	---	28.7	1287	1206	1287 (2018)	12.6

*season begins 3/1

**season begins 4/1

*** max since 2006

Lodi Area ETo Forecast	7 day outlook 6/23 - 6/29		Past week (6/16 - 6/22) summary				
	normal	forecast	Daily		7 day total	period normal	percent normal
Staten Island	2.00	2.30	#N/A	#N/A	#N/A	1.96	#N/A
Holt	2.00	2.30	#N/A	#N/A	#N/A	1.96	#N/A
Manteca	1.82	2.09	#N/A	#N/A	#N/A	1.82	#N/A
Ripon	1.82	1.73	#N/A	#N/A	#N/A	1.82	#N/A

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

5 Day Average High: 90.8
 Today's Forecast High: **101**

5 Day Average High: 93.4
 Today's Forecast High: **106**

5 Day Average High: 95.0
 Today's Forecast High: **105**