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## Calendar

*For a listing of industry events and dates for the coming year, please visit:*

<http://www.californiaavocadogrowers.com/commission/industry-calendar>

### CAS Webinar: Manipulating the Avocado and Its Environment for Optimum Temperature and Light

The California Avocado Society, California Avocado Commission and UC Cooperative Extension are hosting a new avocado grower webinar. Registration required. [More information here.](#)

**August 17**

August 17

Time: 9:00am – 11:00am

Location: Webinar

### CAC Board Web/Teleconference Meeting

**August 19**

August 19

Time: 10:00am – 12:00pm

Location: Web/Teleconference

### Avocado Nitrogen and Fertility Considerations Webinar

Dr. Jonathan Dixon, avocado consultant, will share information on fertilizer recommendations for avocados in New Zealand. Registration required. [More information here.](#)

**August 25**

August 25

Time: 1:00pm

Location: Webinar

### Ventura County RCD Fire Preparedness and Recovery Virtual Seminars

The Ventura County Fire Resource Conservation District is offering a series of free wildfire prevention virtual workshops. The series will discuss wildfire prevention and tips, how to prepare for potential wildfires and allow participants to ask questions of a variety of wildfire personnel and professionals. Registration required. [More information here.](#)

## September 7

### September 7 (“Creating Defensible Space and Understanding the Home Ignition Zone”)

Time: 6:00pm – 7:00pm

Location: Webinar

## **Reminder: Growers Encouraged to Complete California Avocado Commission Grower Profitability Survey**

To better understand the spectrum of profitability experienced by California avocado growers, the California Avocado Commission is conducting a Grower Profitability Survey. If successful, data from the survey will be used to help the Commission determine the key drivers behind grower costs and returns, and then to subsequently develop programs aimed at helping California growers improve profitability.

In order for the Commission to develop a better understanding of the factors impacting profitability, it is critical California avocado growers complete the two-page questionnaire that will be mailed to them during the first week of August. The deadline for submitting the survey is August 31.

The survey was designed by Dr. Dennis Tootelian, an emeritus professor of marketing and a management consultant to numerous agricultural organizations. Dr. Tootelian will conduct a statistical analysis of the anonymous individual growers responses and share his findings with the Commission in the form of a Grower Profitability Study.

## **New Webinar Focuses on Optimizing Temperature and Light in Avocado Groves**

The California Avocado Society, California Avocado Commission and UC Cooperative Extension are hosting a new avocado grower webinar entitled, “Manipulating the Avocado and Its Environment for Optimum Temperature and Light.” The webinar will be held August 17 from 9:00 – 11:00 a.m.

Speakers include:

- Dr. Mary Lu Arpaia — Physiology of light and water use in avocados and how it could be manipulated
- Dr. Ben Faber — Hot lessons from Australian and California avocado groves

[Online registration for this free avocado grower webinar is available online.](#)

## **Farmworker Wildfire Smoke Alert System Launched**

Ventura County has launched a new text alert system for farmworkers that sends text-based warnings to subscribers when air conditions are such that farmworkers should be wearing masks to protect themselves from smoke caused by wildfires. The Farmworker Wildfire Smoke Alert Text System sends text messages when air pollution has reached a level where N-95 masks are suggested and when smoke has reached a level where the masks are mandatory. Per OSHA regulations, employers will provide NIOSH-approved respirators, such as an N-95 mask.

To opt into the system, farmworkers and employers can simply text ‘SMOKE’ or ‘HUMO’ to 855.522.0034. If you text ‘SMOKE,’ texts will be delivered in English; if you text ‘HUMO,’ texts will be delivered in Spanish.

## **Organic Farmers Warned Against Using W.O.W Whack Out Weeds! and EcoMight-Pro**

The California Department of Food and Agriculture and California Department of Pesticide Regulations have issued a joint statement warning organic farmers against using W.O.W. Whack Out Weeds! and EcoMight-Pro pesticides as lab results indicate these products contain potentially hazardous chemicals. The CDFA issued a Stop Use Notice for organic growers regarding both of these products, which are distributed by EcoMIGHT.

Although the company markets these products as “organic,” “natural,” “glyphosate-free” and “non-toxic and safe” state laboratory analysis indicates the products contain potentially hazardous chemicals including glyphosate, bifenthrin, permethrin, cypermethrin and carbaryl. In California, pesticides that contain these chemicals require the use of personal protective equipment and neither of these products have specific safety instructions on their labels. Products with these synthetic chemical compounds are prohibited for use in organic production.

The CDPR has issued a notice to EcoMIGHT concerning its possible violation of state law and the U.S. Environmental Protection Agency also notified the company they may be in violation of federal law for manufacturing, delivering or selling unregistered pesticide products.

## **Retail Promotions Encourage In-season Purchases of California Avocados**

Major chain retailers who partner with the California Avocado Commission on promotional campaigns help deliver solid returns for growers while broadening brand awareness and loyalty across the western U.S., some examples follow.

Walmart, which purchases size 60 and smaller California avocados, ran an on- and off-site California avocado media campaign in western units throughout May and June. The campaign showcased a “spotlight video” with influencer overlays during California Avocado Month, expanding awareness of the fruit’s seasonal availability. These digital pieces secured 4 – 5 million impressions and helped encourage demand for smaller sized California avocados.

Natural Grocers stores in Arizona, Colorado, Idaho, Montana and Utah featured organic California avocados as part of their June Meal Deal promotion. The all-organic retail chain paired its California avocado advertising promotions with loyalty card offers for shoppers, ensuring customers saw the California avocado creative during peak season. In June, the chain focused on Father’s Day with a Meal Deal promotion showcasing fresh California avocados as the perfect “upgrade” to hamburgers grilled at home. The sales results were impressive for a first-time promotion with a 21% lift in sales (6,500 cases over the previous year) for the locally grown fruit.

Fresh Market features all sizes of California avocados — including both conventionally- and organically-grown fruit. As part of its merchandising and promotions, Fresh Market created a magazine insertion showcasing the Golden State fruit and distributed it in-store and via mailer. More than 1 million magazines with the insertion were distributed to help broaden awareness of California avocado distribution East of the Mississippi.

**{N}POWER PRICING ONLY!**

**NATURAL GROCERS**  
good4u  
**MEAL DEALS**

**FEED YOUR FAMILY OF 4  
A BURGER MEAL FOR  
UNDER \$12\***

VEGETARIAN OPTION OF THIS MEAL IS UNDER \$7.95

**\$5.99** EACH LIMIT 2  
Thousand Hills Grass Fed 80/20 Ground Beef  
Always Affordable™ \$6.29

**\$3.79** EACH LIMIT 2  
Rudi's Bakery Wheat & White Hamburger Buns  
Always Affordable \$5.75

**\$1.39** EACH LIMIT 2  
Organic Red & Green Leaf Lettuce

**MAKE IT MEATLESS!** **\$4.99** EACH LIMIT 2  
Beyond Meat Beef Free Burger  
Always Affordable \$5.89  
(2 packs recommended for 4 servings)

**MAKE IT GLUTEN FREE!** **\$3.99** EACH LIMIT 2  
Cargen Bakehouse Gluten Free Hamburger Buns  
Always Affordable \$5.35

**\$1.79** PER LB  
Organic Beefsteak Tomatoes

**UPGRADE YOUR BURGERS FOR \$6!**

**\$4.49** 12 OZ EACH LIMIT 2  
Natural Grocers™ Brand Hickory Smoked Bacon  
Always Affordable \$5.49

**\$2.99** PER LB  
Organic Jalapeños

**99¢** EACH LIMIT 6  
Organic California Avocados

**Bacon Guacamole Burger**

**SEE DEALS & GET THE RECIPE ▶**

\*\$12 POWER PRICING OFFER AVAILABLE TO {N}POWER MEMBERS ONLY. Enter your phone number at checkout to redeem. This is a promotional offer. go to www.naturalgrocers.com/mealdeals for details.

Natural Grocers' Meal Deal ad encouraged shoppers to "upgrade" their burgers with fresh California avocados.

### Cooking Up Summer Limited-Time-Offer Ideation Menus

The California Avocado Commission has established itself as an added-value resource for foodservice operators looking to energize their menu with the popular California avocados by providing inspirational menu ideation sessions that demonstrate the quality and versatility of the fruit through easy-to-execute menu concepts. Like many foodservice operators, Grill Concepts is facing severe labor and supply chain challenges. Corporate Executive Chef and Head of

Purchasing Tamra Scroggins turned to the Commission’s foodservice team for innovative concepts that would keep their summer seasonal menus moving while balancing the need to keep preparation simple for operations and teams.

Grill Concepts is a multi-concept operator with a number of restaurant brands that span the culinary spectrum from fine dining to gastropub and ghost kitchens, including Daily Grill, Grill on the Alley, Public School, LA Bowls & Breads, Burger Academy, and Egg & Mary’s. To expand Grill Concepts’ use of fresh California avocados in their menu offerings, on June 2 CAC’s foodservice team presented nine easy-to-prepare California avocado-centric summer menu concepts. The menu ideation session took place at a Daily Grill location in Century City, California where Chef Jason Hernandez utilized the location’s equipment and ingredients to simulate real-world conditions.

After a day of prep in the kitchen Chef Hernandez prepared the final dishes alongside Chef Scroggins and then presented them to the assembled group. By preparing the menu items on site, Chef Scroggins could adjust ingredients or operational flow as needed while preserving the intended presentation and flavor of the dishes. The team discussed how each of the nine dishes would/could fit with various Grill Concept brand operations and menus.

Upon completion of the ideation session, the Commission provided the Grill Concepts team with recipes for all the concepts. An online panel of consumers tested the top five recipes concepts and using a research tool called SCORES the concepts were analyzed for purchase intent and other metrics. The California Roll Bowl Salad and Koreatown Kimchi Noodle Salad with California Avocados scored as “top performers” for uniqueness and draw.

By bringing new menu ideas featuring California avocados to a foodservice operator’s seasonal menu, the Commission reinforces the seasonality of California avocados and encourages demand for them.



*Chef Jason Hernandez and Alexei Rudolf from CAC’s foodservice team present easy-to-prepare California avocado menu items to the Grill Concepts team.*

## **Blogger Advocates Showcase Benefits of California Avocados with Creative Recipes and Social Posts**

The California Avocado Commission partnered with six food, wellness and lifestyle bloggers during peak season to expand its reach in the digital sphere and to build awareness of the fruit’s versatility and premium quality for an audience eager to enjoy the readily available Golden State fruit. Each of the California Avocado Blogger Advocates was chosen for their exciting storytelling abilities, unique culinary and photography skills, significant social followings and influence and, of course, their love for California avocados.

To showcase the versatility of the fruit, the blogger advocates developed creative California avocado recipes around programs and themes that dovetailed with the Commission’s key summer messaging, such as “California Coastal Cuisine” and “Movies Meals.” These recipes were shared across each advocate’s blogs and syndicated across their individual social media channels.

Throughout May and June each of the bloggers also published California avocado-themed photography and social media posts across Facebook, Instagram and Pinterest that piqued consumer interest in California avocado season. The content they generated was both fun and informative — educating their followers about the benefits of adding California avocados to their dietary lifestyle and encouraging them to look for California on the label while the fruit was in peak season. To expand the reach of their posts and drive traffic to the Commission’s social channels, the blogger advocates tagged California avocados and used Commission-related hashtags in their social media posts.

The six food, wellness and lifestyle bloggers for the 2021 season included:

- Adam & Ryan of [Husbands That Cook](#)
- Emilie Herbert of [Emilie Eats](#)
- Brandi Crawford of [Stay Snatched](#)
- Elizabeth Van Lierde of [The College Housewife](#)
- Beth Brickey of [Tasty Yummy](#)
- Ashley Boyd of [Pink Owl Kitchen](#)

By leveraging respected third-party bloggers with significant influence on digital channels, the Commission was able to showcase the benefits of California avocados, provide consumers with California avocado-themed recipes that encouraged them to purchase the fruit during the peak season and build brand loyalty across an expanding audience of targeted consumers. From May to June, CAC’s blogger advocates garnered nearly 39 million impressions across their blogs and social channels.



*Beth Brickey of Tasty Yummies shared her favorite gluten-free, keto and vegan-friendly coastal recipe California-Style Marinated Avocado Salad.*

## California Market Trends

To view all market trend graphs, including “Weekly Volume Summary,” “Weekly Avocado Prices” and “U.S. Avocado Supply,” please visit: <http://www.californiaavocadogrowers.com/industry/market-statistics>.

### California Avocado Society Weekly Newslines\* Avocado Prices – August 11, 2021

	Conventional #1	Organic #1
<b>California Hass</b>	<b>(Field Price Per Lb)</b>	<b>(Field Price Per Lb)</b>
#32's	\$1.44 - \$1.65	\$1.70 - \$2.06
36's	\$1.44 - \$1.65	\$1.70 - \$2.06
40's	\$1.44 - \$1.65	\$1.94 - \$2.06
48's	\$1.44 - \$1.65	\$2.10 - \$2.28
60's	\$1.26 - \$1.38	\$1.78 - \$1.96
70's	\$0.90 - \$0.98	\$1.50 - \$1.62
84's	\$0.62 - \$0.70	\$0.56 - \$0.66

\*To subscribe to the Weekly Newslines, please contact the California Avocado Society at (949) 940-8869 or [www.CaliforniaAvocadoSociety.org](http://www.CaliforniaAvocadoSociety.org).

### California Avocado Commission Weekly Volume Summary (Pounds)

	Week Ending 8/08/2021	Season-to-Date (since 11/01/2020)	2021 Year to Date
Hass	8,043,742	222,533,761	214,100,124
Lamb	1,003,713	8,036,429	7,919,959
Other (Greens)	12,078	638,630	572,616
<b>California Total</b>	<b>9,059,533</b>	<b>231,208,820</b>	<b>222,592,699</b>
Florida	1,092,190	13,531,375	9,628,135
Chile	0	0	0
Mexico	22,079,186	1,913,248,178	1,524,402,960
Peru	12,976,654	137,144,473	137,144,473
Other (Imports)	1,630,000	58,600,000	50,900,000
<b>Import Total</b>	<b>36,685,840</b>	<b>2,108,992,651</b>	<b>1,712,447,433</b>
<b>USA Total</b>	<b>46,837,563</b>	<b>2,353,732,846</b>	<b>1,944,668,267</b>

Sources:

California = CAC (AMRIC)

Florida = Florida Avocado Admin Committee

Chile = Comite de Paltas, Chile

Mexico = APEAM

Peru = ProHass

Other Imports = USDA AMS website

## Crop Statistics

The California crop harvest continues in earnest as the market for large sized fruit has seen a significant bump over the last week. As seen in the table below, through week ending 8/8/21 the industry had harvested 225 million pounds of fruit. It is estimated another 7.5 million pounds were harvested this past week, resulting in a year-to-date volume of 232.5 million pounds. Based on the late-season handler estimates, which put the current year's crop at 250 million pounds, there should only be about 17.5 million pounds of fruit left for the current year. This said, some recent discussions indicate California may still see fruit through September and even into October. At this point, it is anyone's guess what the final California crop volume will be, but it seems to be tracking between 250-260 million pounds. As we finish up the season, CAC will continue to remain engaged with handlers, growers and industry stakeholders to ensure marketing support while California avocados are in season.

2021 California Crop Weekly Harvest Projection					
Weekly Crop Movement vs. Distribution Projections					
All Varieties					
	4-Year Historical Forecast	AMRIC Handler Forecast	Industry Adjusted		Crop Size Indicator
Week Ending (CAC Week)	July 2021 Update		AMRIC Harvest	AMRIC Shipments	
<b>1st QTR Subtotal</b>	<b>26,470,000</b>	<b>25,915,479</b>	<b>25,915,478</b>	<b>16,367,912</b>	
<b>2nd QTR Subtotal</b>	<b>130,536,100</b>	<b>143,600,075</b>	<b>143,600,074</b>	<b>142,205,510</b>	
Jul 4 - (35)	10,530,000	8,622,491	8,622,491	11,210,570	250,404,898
Jul 11 - (36)	10,841,500	6,701,284	6,701,284	7,227,526	247,597,679
Jul 18 - (37)	10,227,800	9,777,812	9,777,812	9,215,907	249,600,687
Jul 25 - (38)	9,668,500	7,731,800	10,993,612	10,469,183	253,519,299
Aug 1 - (39)	7,295,800	7,538,200	10,389,872	10,289,754	257,281,871
Aug 8 - (40)	5,784,100	6,997,500	9,077,298	11,073,472	259,444,286
Aug 15 - (41)	5,120,700	6,906,400	-	-	
Aug 22 - (42)	5,124,200	6,928,100	-	-	
Aug 29 - (43)	4,874,100	6,167,200	-	-	
Sep 5 - (44)	4,250,900	3,413,371	-	-	
Sep 12 - (45)	3,430,600	2,813,200	-	-	
Sep 19 - (46)	2,750,000	2,204,000	-	-	
Sep 26 - (47)	2,258,900	1,701,788	-	-	
<b>3rd QTR Subtotal</b>	<b>82,157,100</b>	<b>77,503,146</b>	<b>55,562,369</b>	<b>59,486,412</b>	
<b>4th QTR Subtotal</b>	<b>10,836,800</b>	<b>2,981,300</b>	<b>-</b>	<b>-</b>	
<b>Season-to-Date</b>	<b>211,353,800</b>	<b>216,884,641</b>	<b>225,077,923</b>	<b>218,192,204</b>	
<b>% of Crop</b>	85%	87%	90%	87%	
<b>Crop Size</b>	<b>250,000,000</b>	<b>250,000,000</b>	<b>Left to Harvest</b>	<b>Left to Ship</b>	
<b>Crop Variance</b>	13,724,123	8,193,282	24,922,077	31,807,796	

## Weather: 30-Day Outlook For California's Coastal & Valley Areas

(August 12-31)

### BASIC PATTERN:

Large Scale Pattern –

- A. The *El Niño*/Southern Oscillation (ENSO) continues in a neutral or weak La Nina phase. A warm sea surface temperature anomaly appears to be adding fuel to tropical cyclone developments near southern Baja California.
- B. Upper high pressure continues at about 35N in the eastern Pacific from about 150-135W. Troughing is intermittent over California, and may draw more tropical moisture northward into California.
- C. Sea surface temperatures (SSTAs) along and west of central California continue colder than normal. SSTAs in south half of Baja California are well above normal, and providing fuel for tropical cyclones.
- D. There is a trend towards continued dry and hot weather in Sep for northern and central California and Pacific Northwest states.
- E. There continues a trend for cyclogenesis (development of troughs and lows) in the central Pacific around 180-160W. This may assist development of troughs near the California coast.
- F. During late summer to early fall, tropical cyclones are tending to interrupt the development of troughs at locations west of California at 130-140W 35-43N.
- G. Hot upper high pressure and SE – S flow remain dominant for central and S California, confirming the scenario in D) and E) above.

### FORECASTS FOR CALIFORNIA

Much colder than normal ocean temperatures (SSTA) continue along northern & central California coasts, but warmer than normal near the southern Baja coast. A stronger *La Niña* pattern is expected to redevelop in late Nov-Dec.

The driving factor for rains into NW Mexico and southern Arizona is not only moisture from the Gulf of Mexico and Caribbean, but active easterly waves moving through Mexico and reaching into Arizona. Tropical cyclones affect southern Mexico and southern Baja California. Some moisture from tropical cyclones or the monsoon may produce an increase in showers/thunderstorms (TSTMS) into the Sierras and S California mountains and deserts.

**Precipitation Trend – California- Aug 12-Sep 17...** A very dry pattern continues across most of the state through Aug 11 with showers unlikely. Some increase in showers around the middle and end of Aug are expected into mainly southcentral California and central Sierra. There is a chance for more showers 21-23 Aug from a tropical cyclone remnant in S and Central California. Other more widespread showery rains are currently suggested by GFS model Sep 18-22.

**In S California – Aug 12-Sep 17...** SOCAL Warm Spells, from models GFS and CFSv2 through CFSDailyAI: High pressure will recur at times across most of California through the rest of Aug and the first half of Sep. Hot Aug 13-15 across most of the state. Another heat wave with very warm to hot across much of the state Aug 25-27. Troughs will bring showers and

cooler than normal conditions mainly across N California Aug 18-22, Aug 31 - Sep 1 and Sep 11-12. Overall, warmer than normal conditions are expected in most areas through mid Sep.

**Sierra Nevada: Aug 12-Sep 17...** Precipitation Trend: Overall drier than normal precipitation is expected but some surges of monsoonal moisture into the Sierra crest are possible Aug 14-18 (showers with some TSTMS), Aug 20-21 (lighter showers) and Sep 14-17. Towards the start and middle of Sep there will be some increase in tropical moisture from tropical cyclones that weakened with remnant lows moving north into central California and the Sierras.

**Fire Risk Aug 12-Sep 17...** Best chances for enhanced fire risk would be from an increase of instability in a predominantly dry airmass (high Haines Index). Fire risk and potential fire severity continue to increase in mid Aug, especially as lightning incidences increase due to monsoonal TSTM periods. These TSTMS usually peak in mid to late August through the region but still can bring decent showers and TSTMS even into early and mid Sep. High and extreme fire danger is expected through the rest of Aug and Sep.

**For Aug 12-Sep 17...** Tropical Cyclone Influences: The tropical eastern N Pacific goes through a few active periods, and is currently in an active cycle. Tropical Storm Kevin is currently in the E Pacific with another low likely going to develop into the next named system (Linda) in the next couple of days. This active pattern is due to warmer than normal sea surface temperatures in the E Pacific and Gulf of California. This time of year the storms usually move NW then turn W and weaken out over colder water. Even though the storms remain mostly at sea they enhance and strengthen high pressure over Sonora, Arizona and S Calif, as well as subtropical northeast Pacific region. By end of Aug or early Sep, tropical cyclone remnants are more likely to bring moisture into the SW US and possibly S California and Sierras. Watch for possible interactions with upper lows near southcentral California as they develop in early to mid Sept. The main issue continues to be dry lightning for late Aug and early to mid Sept.

**NORCAL and Central California Aug 12-Sep 17...** Will be very warm to hot Aug 12-15 with occasional weak troughs bringing minimal showers, but some cooling to the region. A trough from Aug 16-18 will bring normal to cooler than normal temperatures. Very warm and hot in some areas Aug 22-26. Cooler with a trough Aug 31- Sep 1. Warmer than normal but not too hot Sep 3-10. A cooler trough or weak front occurs Sep 11-12. Dry otherwise, although some showers could move north into the Yolla Bolly, Trinity Alps and Siskiyou ranges in early Sep. Models show dry conditions for the most part.

The listing of dates normally included for hot and cold spells, and precipitation are based on our CFSDaily and CFSDailyAI forecast products, and present generally expected trends in precipitation (both products) and temperature (CFSDailyAI) to 4km. Our system gives some consideration of terrain and coastal influence. We consider the CFSv2 as one of the better ways to represent basic weather down in the sub-monthly time scale beyond the 15 day GFS or monthly maps from CFSv2 or NMME.

#### **..Southern California Deserts Outlook for Aug 12-Sep 17:**

Highlights: Warm to very warm and occasionally hot from mid Aug through early Sep as high pressure remains east of the region. Some cooling at times with some showers/TSTMS into the region in early Sep. The models are showing drier than normal through Aug with near normal in early to mid Sep. This will maintain warmer than normal conditions across the region. Hotter days occur Aug 15-18 and 24-26. Showers and TSTMS occasionally will move into eastern areas and mountains.

A surge of moisture will bring some showers/TSTMS mainly east deserts/mountains Aug 14-16 and 25-27. Sep will see an increase in tropical moisture from the remnants of tropical systems as the systems track more to the north than NW bringing a better chance of showers and TSTMS into S Calif and the deserts.

Arizona rainfall should continue above normal through the rest of Aug with near normal precipitation as the monsoon starts to wind down through Sep. Early Sep could still see some heavy showers with a gradual decrease by the end of the month. As troughs and the westerlies become more active, the summer thunderstorm (TSTM) season will end.

**\*\*\*Looking Ahead – Long Range Outlook Sep 17 - Oct 26... N and Central California\*\*\***

The *La Niña* should remain weak or neutral through the beginning of Oct. This suggests a dry, very warm pattern persisting. There is a chance for rains developing briefly in late Nov and Dec. We could still see some occasional remnant moisture from tropical cyclones into S California and the Sierras. However, significant rain amounts from these are not indicated. By late Oct the tropical cyclone season in the E Pacific usually ceases to be a factor for rains in SOCAL-Arizona, mostly ending by mid Nov. The westerlies increase as the storm track migrates south into N California during early Oct. This will bring typically cooler nights but warm days in late Sep and early to mid Oct. This Oct looks drier than normal as the westerlies through California will tend to be weaker than normal. This means below normal rainfall, and above normal temperatures through California. The main rains this Oct should remain mostly north of NW California.

High pressure near the west coast of the U.S. and California continues to develop at times, behind cold fronts, and produce some strong gusty N wind events in NORCAL from mid Sep through Oct.

Subsequent development of a stronger *La Niña* is indicated by the NMME model during Oct-Nov which will likely keep high pressure in place, across Central and S California but near or wetter than normal conditions in NW and N California. The *La Niña* pattern will tend to bring wetter conditions to NW California from Dec through Feb and active, rainy fronts into the Pacific Northwest and northern parts of NORCAL. A *La Niña* will bring drier than normal precipitation through central and S California.

For SOCAL Sep 17-Oct 26: Summer-type showers/TSTMS can still occur in Sep, mainly mountains and deserts. These showers/TSTMs decrease quickly in late Sep to Oct as westerlies become more active in the Pacific Northwest and N California. Best chances for showers from tropical moisture are expected for SOCAL during Sep. Overall, near normal precipitation for S California in Sep with below normal precipitation and warmer than normal in Oct and Nov due to onset of Santa Anas.

**Fire Risk..... Sep 17-Oct 26...** Fire risk and the potential for fire spread will be high to extreme this late summer and likely continue through mid Fall (end of Oct) in the Sierra Nevada. The late summer and early Fall fire season looks very active this year with some increase in Sep. The current pattern and flow of moisture is expected to produce near normal TSTM frequency, increased lightning and an increase in the fire risk in Sep. High fire risk is most likely in Sept from lightning, and from increasing wind events such as Santa Anas from late Sep – Oct.

[\(Terms and Definitions Used In This Weather Outlook\)](#)

Alan Fox & Zane Stephens...Fox Weather, LLC

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