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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>

SWEEP Grant Opportunity Workshop

To assist growers in applying for SWEEP grants and make them aware of other CDFA Climate Smart Grant opportunities, the University of California Cooperative Extension and the Resource Conservation District of San Diego are hosting a free SWEEP Grant Opportunity Workshop. Registration required. [More information here.](#)

October 19

October 19

Time: 2:00pm – 4:30pm

Location: San Diego County Farm Bureau, 420 South Broadway (can attend in person or online), Escondido, CA

Virtual 2021 CAC Annual Meeting

To ensure interested parties can learn more about the California Avocado Commission's marketing programs and the activities staff has conducted in 2021, the Commission will host a virtual 2021 CAC Annual Meeting. Registration required. [More information here.](#)

October 26

October 26

Time: 9:30am – 11:00am

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.](#)

November 2

November 2 (“Understanding Insurance and Wildfire”)

Time: 6:00pm – 7:00pm

Location: Webinar

Farm and Nursery Expo

The San Diego County Farm Bureau is preparing for the Farm & Nursery Expo. The free Expo will feature a variety of seminars.

Registration required. [More information here.](#)

November 4

November 4

Time: 9:00am – 4:00pm

Location: 340 North Escondido Boulevard, Escondido, CA

Register for the Virtual California Avocado Commission Annual Meeting

The California Avocado Commission’s Annual Meeting provides growers and other members of the avocado industry with the opportunity to learn more about CAC’s current and proposed activities. This year, interested parties can attend the virtual meeting on Tuesday, October 26 from the comfort of their own home or office. The meeting will take place from 9:30 a.m. –11:00 a.m. and will feature the following highlights:

- A welcome from CAC President Tom Bellamore
- An overview of the Commission’s new sustainability webpage
- Highlights from the California Avocado Grower Profitability survey
- Updates concerning the Board approved 2021-22 budget, assessment rate and crop projections
- A review of the Commission’s marketing program, including:
 - Information about the organization of the CAC Marketing team
 - Highlights concerning the business plan strategic intent, objectives and consumer targets
 - A summary of 2021 Marketing highlights
 - A preview of 2022 marketing plans in these areas:
 - Consumer media and advertising
 - The Commission's consumer website, CaliforniaAvocado.com
 - Retail promotions, communications, advertising and public relations
 - Foodservice promotions, menu ideations, events and public relations
 - Export marketing initiatives
- A glimpse into marketing measurements, monitoring and research

Attendees will have the opportunity to ask questions throughout the presentations. [Registration for the virtual 2021 CAC Annual Meeting is now available.](#)

California Avocado Growers Encouraged to Vote in CAC General Election

The deadline to vote in the California Avocado Commission General Election is fast approaching — October 27, 2021. Election ballots were mailed to commercial producers and all handlers of record in late September and must be returned to the California Department of Food and Agriculture in the postage paid envelope by the deadline. The results of the election will be announced on November 18.

The elections will be for one producer member seat and one producer alternate seat in each of the five CAC districts, as well as one handler member seat and one handler alternate seat. A complete list of candidates can be found on the [CAC General Election 2021 webpage](#).

The 2021 General Election ballots will again use the ranked voting method, allowing voters to rank candidates in order of their preference. The candidate who receives the highest number of first choice votes will be offered their choice of available seats while the candidate with the highest combined total of first and second choice votes will then be offered the available seat.

California avocado growers are highly encouraged to take part in the 2021 General Election. Please contact April Aymami at aymami@avocado.org or 949.341.1955 if you did not receive a ballot.

2021 Statewide Avocado Acreage and Condition Analysis Report Available

The California Avocado Commission gathers critical yield forecasting data to make informed budgeting and marketing decisions by partnering with Land IQ to conduct an annual acreage survey. Data from this survey is then compiled in a database for use by the Commission.

In addition, Land IQ releases a yearly report for public consumption. The 2021 Statewide Avocado Acreage and Condition report is now available on the California avocado growers website.

Highlights from the report are as follows:

- Total planted acreage in 2021 was 51,988 acres, a reduction of about 2,000 acres from 2020
 - 46,727 producing acres
 - 2,668 new/young acres
 - 2,592 topped/stumped acres
- The five major avocado growing counties — Ventura, San Diego, Santa Barbara, Riverside and San Luis Obispo — accounted for 96% of planted acreage
 - Ventura — 38%
 - San Diego — 29%
 - Santa Barbara — 13%
 - Riverside — 9%
 - San Luis Obispo — 7%
- Updated tree age analysis

- 9% of groves were newly planted to 4 years old
 - 14% were 5 – 8 years old
 - 17% were 9 – 15 years old
 - 16% were 16 – 20 years old
 - 44% of groves were 21 or more years old
- Planting density analysis
 - 19% of acreage is planted at high density (15x15 or closer and 20x10)
 - 81% of acreage is planted at standard density (15x20 or greater)

The report also includes:

- Tables and graphs illustrating avocado acreage by condition and county
- Tables of statewide avocado acreage by county and zip code
- Tables listing planted avocado acreage by year planted or stumped
- A table noting the age of groves as a percentage of planted acreage, as well as a table summarizing planted avocado acreage by year planted or stumped
- Tables comparing the condition (producing, stumped, young, abandoned) of high density and standard groves by acreage and county
- Maps depicting planted avocado polygons in each of the Commission’s five districts
- Table of net change in acreage from 2020 to 2021, by county
- Table noting the change in avocado acreage classifications from 2020 to 2021

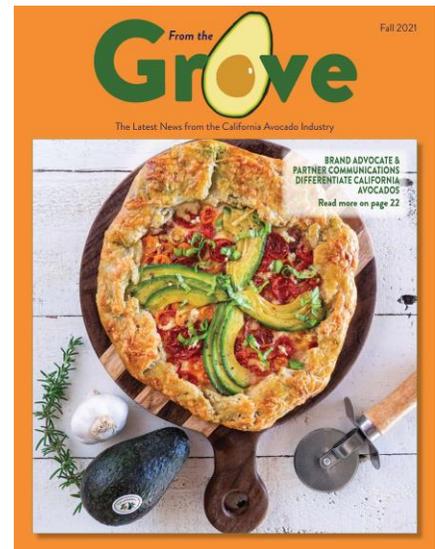
A copy of the report is available in the right hand navigation [here](#).

Fall 2021 Issue of From the Grove Available Online

The Fall 2021 issue of the California Avocado Commission’s quarterly publication, [From the Grove](#), is now available online. Highlights from the current issue include:

- [CAC President Tom Bellamore’s discussion](#) concerning the complexities of measuring the effectiveness of commodity board marketing programs and a look at research takeaways from leading economists concerning the impact of CAC’s marketing efforts
- An extensive list of the [research, data and tracking tools the Commission utilizes to monitor marketing performance](#) that aids in decision making
- A look at the [Commission’s road-trip-themed creative](#) in response to increased travel to the great outdoors due to the pandemic

- A summary of the Commission’s impactful [partnerships with brand advocates and influencers](#) who generate awareness of California avocados while educating consumers interested in health and wellness topics
- Highlights from the [2020-21 retail and foodservice chain California avocado promotions](#) as well as the [Commission’s consumer advertising campaign](#)
- A reprint of a Produce News article that showcases a new [CA GROWN advertising campaign featuring California avocados](#)
- Research findings concerning the [productivity of high-density GEM avocado orchards](#)
- A profile of [GEM California avocado grower Robert Jackson](#) and his insights concerning high-density plantings
- Highlights from proactive integrated pest management research, with a close look at the work being done to mitigate the potential threat of the [large avocado seed weevil](#)
- [New findings concerning Avocado Branch Canker](#)
- An exploration of the continued [expansion of the European avocado market](#)
- A look at the newly-launched [California avocado sustainability webpage](#)
- Insights from California avocado handlers concerning the [tail end of the 2021 California avocado season](#)
- An overview of the upcoming [CAC General Election](#), with ballots due October 27



Workshop Assists Growers with SWEEP and Climate Smart Grant Program Applications

The California Department of Food and Agriculture’s State Water Efficiency and Enhancement Program provides growers with up to \$200,000 in grant funding to improve on-farm water and energy efficiency practices that reduce greenhouse gases. System components that are considered eligible for SWEEP funding include, but are not limited to, soil moisture monitoring, drip systems, switching to a low-pressure irrigation system, pump retrofits, variable frequency drives and installation of renewable energy systems.

To assist growers in applying for SWEEP grants and make them aware of other CDFA Climate Smart Grant opportunities, the University of California Cooperative Extension and the Resource Conservation District of San Diego are hosting a free [SWEEP Grant Opportunity Workshop](#). The event will take place Tuesday, October 19 from 2:00 p.m. – 4:30 p.m. Interested parties can attend the workshop in person or online. For those who attend in person, the workshop will take place at the San Diego County Farm Bureau located at 420 South Broadway, in Escondido, CA.

The workshop will cover:

- A comprehensive review of the SWEEP program and other CDFA Climate Smart Grant programs
- A review of irrigation systems and means of conserving water
- The use of soil moisture sensors and the important role they play in irrigation

Presenters include:

- Dr. Esther Mosase, Community Education Specialist, UCCE – San Diego County
- Dr. Khaled Ball, Irrigation Water Management Specialist, UC Kearney Agricultural Research and Extension Center
- Dr. Geraldo Spennalli, Production Horticulture Advisor, UCCE – San Diego
- Dr. Ali Montazar, Irrigation and Water Management Advisor, UCCE – San Diego and Imperial Counties
- Joel Kramer, Regional Agricultural Specialist, Resource Conservation District of Greater San Diego County
- Luis Ramos, Agriculture Specialist, Mission Resource Conservation District (translator)

The workshop is free, but [attendees must register in order to attend](#).

Farm and Nursery Expo Scheduled for Early November

The San Diego County Farm Bureau is preparing for the [Farm & Nursery Expo](#), which will be held on November 4 from 9:00 a.m. – 3:00 p.m. at the California Center for the Arts located at 340 North Escondido Boulevard in Escondido, CA.

The free Expo will feature a variety of seminars that will include the following topics:

- Invasive pest updates
- Irrigation management
- Grant funding
- Code compliance and zoning

More than 50 vendors will be present to showcase the latest agricultural technologies and equipment. From 3:00 – 4:00 p.m. attendees are invited to attend a social hour featuring locally grown and produced snacks and beverages. All attendees will be required to wear a paper or cloth mask per current COVID protocols.

[Due to limited space, attendees are asked to register advance](#).

Commission’s LinkedIn Page Provides Impactful Means of Communicating with Industry Members

The professional social network LinkedIn enables users to make connections with colleagues and businesses, learn more about their respective fields and share their experiences with their peers. To engage with professionals interested in learning more about California avocados, the Commission and the industry at large, the California Avocado Commission launched its LinkedIn page in March 2020, sharing pre-season, in-season and post-season content to maintain the visibility of Commission programs with key industry contacts. Since its launch, CAC’s LinkedIn program has doubled based on the number of followers, posts and engagements.

Key measures acquired from LinkedIn indicate the platform has been beneficial in enabling CAC to share relevant Commission and industry-related information with trade and business contacts. In particular, the channel has provided CAC with the opportunity to share its messaging, promotions and activities with industry leaders, category buyers, retailers, wholesalers, growers, shippers and foodservice professionals.

LinkedIn’s metrics have also helped the Commission determine what information resonates most with followers and new connections, and refine its posts based on that data. Some of the Commission’s top-performing content include the Women of CAC post, in honor of International Women’s month in March. The post received tremendous positive feedback generating nearly 1,700 impressions and more than 120 engagements. Additionally, a Commission video that featured the history of Hass avocados, California avocado seasonality and a behind-the-scenes look at the handling and packaging of

the fruit, generated nearly 4,900 impressions and secured 65 clicks and 36 engagements. Lastly, the National Avocado Day post generated 48,157 impressions and 276 clicks. Posts showcasing the California Difference and the Winsight Grocery Podcast with Jan DeLyser, CAC vice president marketing, both performed well with 18, 495 and 38,865 impressions respectively.

As the only business-to-business social network, LinkedIn provides the Commission with a unique opportunity to build the awareness, loyalty and sales of California avocados through consistent posting of key activities, promotions and programs to show industry leaders, retail buyers and foodservice providers how CAC supports the sales of California avocados. Many of the LinkedIn posts feature customized infographics that feature actionable data and research insights from various CAC studies, providing CAC's LinkedIn followers with relevant and impactful information that helps retailers promote California avocados on their website, social media sites, best food day ads and in-store.

The Commission's LinkedIn metrics demonstrate the extent to which its social posts resonate with its business audience. Highlights from the program's last 18 months are as follows:

The CAC LinkedIn page has gained a total of 597 new followers, for an average of 34 per month, resulting in an overall 231% follower growth rate.

Since March 2020, CAC's 91 posts have received 466,146 impressions and more than 5,000 engagements. These posts reported an average click-through rate of 2.5%, above the industry average, meaning the audience was highly engaged.

Another 33 sponsored updates concerning grower information, retail marketing tools and foodservice-related topics garnered above industry standard (.44%-.65%) click-through rates.

Posts covering relevant industry trends and news have generated the most engagement and feedback. These posts included the CAC Marketing Excellence Award, Bagged Avocado Trends and Sales and the Women of CAC posts. Overall, the post engagement rate remains above 4%.

Since the launch of its LinkedIn profile, the Commission has consistently been tagged in more relevant industry content on LinkedIn from the trade press, industry blogs, podcasts, executive chefs, industry professionals and avocado packers and handlers — an important trend that expands engagement with the Commission's audience while building awareness for California avocados and the Commission's marketing support programs across the industry.



CAC celebrated International Women's Month by recognizing the Women of CAC, generating tremendous positive feedback in the process

Commission Earns Tenth Consecutive Marketing Excellence Award

On August 30, *Produce Business* magazine announced the California Avocado Commission had won its tenth consecutive Marketing Excellence Award for its second year of “The best avocados have California in them” advertising campaign. The campaign, was showcased in *Produce Business* magazine’s industry-wide announcement in the August edition of its online newsletter, and is expected to be in the fall edition of its print publication. The online newsletter noted the campaign garnered 253 million impressions from June 2020 through May 2021, the period for which the honors were designated, and referenced key research results demonstrating the impact of the ads.

The recognition the Commission has received via the announcements in major industry print and digital publications plays a significant role in reinforcing to trade customers the innovative and impactful nature of the Commission’s marketing efforts. *Produce Business’* online and print publications, which have a combined circulation of nearly 50,000, garner about 81,000 impressions.



California Avocado Commission
Irvine, CA

CAC Advertising Campaign Year 2: The Best Avocados Have California In Them

GOAL
To have the targeted audience think of California and want California avocados when they think about avocados.




STRATEGY
The campaign reminds people that the best of California is inside every avocado — literally: avo-CA-dos. Media target were Californians of a specific demographic. Year 1 creative strategy ran May 2020 through February 2021; Year 2 strategy started in March 2021. Channels included: audio, outdoor, digital and social. Off-season awareness was maintained by social support and social advertising.

RESULTS
More than 253 million impressions from June 2020 through May 2021. A consumer advertising InstaPanel Creative Testing found 80% remembered ad was for California Avocados; ad campaign achieved a 14% lift in separation from the category after exposure. Nielsen study found exposure to campaign generated significant lifts in awareness (unaided and aided).

Produce Business announced its Marketing Excellence Award winners in its August 30 newsletter, including the California Avocado Commission’s award.

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 – October 7, 2021

	Conventional #1	Organic #1
California Hass	(Field Price Per Lb)	(Field Price Per Lb)
#32's		
36's		
40's		
48's	Insufficient Volume to Quote	
60's		
70's		
84's		

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

California Avocado Commission Weekly Volume Summary (Pounds)

	Week Ending 10/10/2021	Season-to-Date (since 11/01/2020)	2021 Year to Date
Hass	0	252,584,002	243,858,614
Lamb	0	10,358,309	10,208,189
Other (Greens)	0	669,106	601,259
California Total	0	263,611,417	254,668,062
Florida	913,935	23,166,030	19,262,790
Chile	1,769,725	1,869,725	1,869,725
Mexico	36,301,928	2,248,400,783	1,859,555,565
Peru	237,039	196,335,488	196,335,488
Other (Imports)	730,000	70,190,000	62,490,000
Import Total	39,038,692	2,516,795,996	2,120,250,778
USA Total	39,952,627	2,803,573,443	2,394,181,630

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

As of week ending 10/10/2021, with zero pounds harvested, it appears the 2021 California avocado harvest has come to an end. While industry estimates had bounced around throughout the season, it is estimated that the 2021 season brought approximately 257 million pounds of California avocados to market. Of this total volume, about 244 million pounds were of the Hass variety, with another 10 million represented by Lamb-Hass. The GEM variety saw nearly 2.5 million pounds and half a million attributed to "Other" varieties. While this season has ended a far cry from the initial pre-season estimates last December of 317 million pounds, due in large part to weather events and lack of rain that inhibited sizing, the final crop volume came in just 3% less than the May mid-season grower survey of 265 million pounds.

California Avocado Commission Weekly Volume Summary		
Variety	Week Ending 10/10/2021	2021 Year to Date
Hass	-	243,858,625
Lamb	-	10,208,189
Gem	-	2,497,088
Other Varieties	-	601,995
California Total	-	257,165,896

Looking forward, CAC has surveyed handlers to get an initial feel for how the 2022 crop is shaping up and while it is too early to tell for certain, the very preliminary estimates are for a crop size in the range of 300 million pounds. This

preliminary estimate assumes a 60% increase in the GEM variety to 4 million pounds, a level Lamb and Other estimate of 10 million and .5 million, respectively, and the balance of 287 million Hass. At the recent CAC Board meeting there were some Commissioners who were more bullish on the volume for next season, however coming off a year where the actual crop came in 60 million pounds less than pre-season estimates, the Board agreed to take a conservative approach and stick with the 300 million pound crop size for budgeting purposes. CAC will once again survey handlers and industry stakeholders in late-November to develop the official 2022 pre-season estimate and weekly harvest projections.

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

(Oct. 14-31)

BASIC PATTERN:

Large Scale Pattern –

- A. A warm sea surface temperature anomaly continues to support development of troughs near the S California coast and the mid North Pacific region.
- B. Antecedent rain amounts in N California have been light and insufficient to wet the soils and vegetation in forests. In central and North-Central California fires have diminished somewhat but are still present. Upper low pressure off N Baja was inducing thunderstorms at the SOCAL coast from about Carlsbad NW-ward to Santa Monica, as well as in Ensenada Baja California Norte.
- C. Latest updated CFSv2 forecast model results show a tendency for a return to near normal rain amounts for N and Central California coast and mountain areas in mid to late Oct.
- D. Wettest months of this fall now appear to be Nov, and Dec, with above normal rainfall now suggested for Santa Barbara Co north, mainly coastal range and coast, to the Oregon state line for those two months. Of the two months, the greatest positive anomaly of rainfall is in November for N and Central California, and December for N California. There is a chance that the December holidays will be wet, with significant rains extending into early January 2022.
- E. The forecasts of above normal rainfall during the cold season months of Dec and Jan may be good news for the Sierra snowpack. We will be interested to see what the North American Multi Model Ensemble tells us about Nov and Dec. NMME has been suggesting an up-tick in rainfall for Nov, and heavy rains in coastal NW California in Dec.
- F. However, we note that this heavy precipitation does not extend to southern California after Nov through mid-Dec, and that SOCAL returns to dry conditions in Jan 2022.

FORECASTS FOR CALIFORNIA

- A. Troughs and lows bring the possibility of rains and showers into N California, and a few showers into central California during Oct. Dec appears most prolific for rain amounts for N and Central California per model guidance from both NMME and CFSv2. A stronger La Nina pattern is expected to shift the pattern to dry in most of California during late Dec 2021, and continued unusually dry in Jan-Feb 2022.
- B. Precipitation Trend Oct 14 – Nov 15: Dates of rain are: Oct 20-22, Oct 24-25, Oct 27- Nov 1, Nov 7-11, Nov 19-23.
- C. Oct 14 – Nov 15: N and Central California: Troughs and cold fronts become more active in latter half of Oct and in Nov. Mid Nov is the time of the frequently occurring first period of winter rains. Most of the precipitation activity remains in N and Central California during Precipitation Dates... Dates of rain are: 20-22, Oct 24-25, Oct 27- Nov 1,

Nov 7-11, Nov 19-23. During Nov 7-11, Nov 19-23, there is a better chance for significant rains in Central California, and Santa Barbara- Ventura Co's as well as N California.

- D. In S California – Oct 14 – Nov 15... N and Central California: Troughs and cold fronts become more active in latter half of Oct and in Nov. Mid Nov is the time of the frequently occurring first period of winter rains. Most of the precipitation activity remains in N and Central California during Oct and Nov.
- E. Precipitation Dates... Dates of rain are: 20-22, Oct 24-25, Oct 27- Nov 1, Nov 7-11, Nov 19-23. During Nov 7-11, Nov 19-23, there is a better chance for significant rains in Central California, and Santa Barbara-Ventura Co's as well as N California.
- F. In S California – Oct 14 – Nov 15... SOCAL Rains: Oct 21, 23 (north areas) and Nov 8-10. SOCAL Warm Spells: Oct 30 - Nov 1 and Nov 6-8. SOCAL Cool or Cold Spells: Oct 21-23 and Nov 8-12. Fronts with rains: Oct 21, 23 and Nov 8. Frosts may follow showery fronts on Oct 22, 24 and Nov 9.
- G. Sierra Nevada: Oct 14 – Nov 15... Date of Mountain rains and Snows: Oct 21-23, 27 (light N), 30 - Nov 1, 2 (showers N), 7-10 (heavy rain & snow above 5,000') and into 11 Nov.
- H. N and Central California Fire Risk Oct 14 – Nov 15... Best chances for higher fire risk: Oct 14-19 and Nov 3-6. Periods for lower fire risks: Oct 20-22, Oct 24-25, Oct 27- Nov 1, Nov 7-11, Nov 19-23.

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 Oct 14 – Nov 15:

Highlights: Drier than normal precipitation is expected through Nov 7. Near normal or slightly warmer than normal temperatures through the 7th. A trough will bring cold showers and some gusty winds Nov 8-10. Wetter and cooler but still below normal rainfall is suggested for later in Nov.

For the SOCAL deserts: Fronts with rains cold/showery periods.

Frontal passages: Oct 21, 23, and Nov 8-9. Showers Oct 21, 23 and Nov 9.

Frosts may follow showery fronts on Oct 22 (Ventura County valley areas) and Nov 13-15 (cold).

*****Looking Ahead – Long Range Outlook Nov 12 – Jan 17 2022... N and Central California:**

Both the latest versions of CFSv2 monthly guidance suggest near normal rainfall in October, but distinctly above normal precipitation across N and Central California for late Nov and Dec. It appears that the heaviest rains occur in Nov and Dec, followed by a midwinter dry spell, with mainly sparse rains after 10 Jan. Late Jan, Feb, and Mar 2022 appear abnormally dry for most of California.

The NMME short term climate model suggests that Nov will start to turn wetter than normal for the Bay Area north, then heaviest rains of the winter occur in Dec. The pattern currently is expected to turn dry, by both NMME and CFSv2 models over both north and south California. Therefore, we will opt for that scenario.

For SOCAL Nov 12 – Jan 17 2022: Nov 2021 is suggested wetter than normal for N and central California. This argues for near normal frequency of frontal passages in Nov for SOCAL, and subnormal rainfall in Nov for SOCAL. In Dec, above normal rainfall is suggested, persisting pretty much through all of Dec. Rainfall turns below normal in early Jan, and

continues below normal in Feb and Mar 2022. Best chance for rains for SOCAL appears to be in early to mid-Dec, to beginning of the Dec holidays.

General Frost Risk....Nov 12 – Jan 17 2022... As mentioned for N California, we see indications in the monthly guidance for near or a little warmer than normal conditions in Nov, then trending to colder than normal in Dec. We suspect that the worst periods for frost would be end of Dec and early to mid-Jan 2022, as cold lows and windy cold fronts alternate with Santa Anas.

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

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