



## IN THIS ISSUE, YOU'LL FIND:

- [CAC General Election Ballots Due October 26](#)
- [Commission Helps Secure Wholesale Water Rate Savings of \\$474 Per Acre Foot for San Diego County Growers](#)
- [Ventura County Farmworker Household Assistance Program Still Accepting Applications](#)
- [Upcoming California Avocado Society Annual Meeting](#)
- [Valley Center Municipal Water District Shutoff](#)
- [Online Organic Farming Lessons Available](#)
- [Microirrigation System Maintenance](#)
- [Living Well Brand Advocates Capture the Attention of Consumers with Creative California Avocado Content](#)
- [Returning Chain Partners Showcase Peak Season California Avocados](#)
- [Market Trends](#)
- [Crop Statistics](#)
- [Weather Outlook](#)

## Calendar

*For a listing of industry events and dates for the coming year, please visit:*  
<http://www.californiaavocadogrowers.com/commission/industry-calendar>

### California Avocado Society 105th Annual Meeting

The 105th California Avocado Society Annual Meeting will take place virtually and include live presentations and a question and answer session. Registration required. [More information here.](#)

#### October 21

##### October 21

**Time:** 9:00 a.m.

**Location:** Virtual Meeting

### CAC Web/Teleconference Board Meeting

#### November 19

##### November 19

**Time:** TBA

**Location:** Web/Teleconference

### CAC General Election Ballots Due October 26

The California Avocado Commission (CAC) General Election is currently underway. Elections are being held for one producer member seat in each of the five CAC districts, as well as one handler member seat.

Ballots were mailed to all producers and handlers of record on September 25. All ballots must be postmarked by October 26, 2020 to meet the election deadline. Ballots should be sent in the postage paid envelope provided.

As they did in 2019, voters will cast their vote by ranking candidates in order of preference (first choice, second choice, etc.). The candidate who receives the highest number of first choice votes will be offered their choice of available seats.

The California Department of Food and Agriculture will announce the election results to the CAC Board and seat new board members on November 19.

The [list of available seats and the election timeline are available on the California avocado grower website](#).

## **Commission Helps Secure Wholesale Water Rate Savings of \$474 Per Acre Foot for San Diego County Growers**

The San Diego County Water Authority's Board of Directors approved a Permanent Special Agricultural Water Rate (PSAWR) structure that will continue to provide lower water rates for farmers in exchange for lower water supply reliability. The Water Authority has provided lower-cost water to growers in exchange for lower reliability since October 2008, when the Metropolitan Water District of Southern California began phasing out a similar program. The California Avocado Commission was instrumental in developing the initial program in 2008, known as the Transitional Agricultural Water Rate (TSAWR). Since that time, the TSAWR program continued with a series of extensions that were set to expire at the end of 2020.

During the last year Commission staff, in partnership with Hannah Gbeh, San Diego County Farm Bureau executive director, and Eric Larson, (retired) executive director, along with San Diego County agricultural water agencies (Valley Center, Rainbow, Fallbrook, Yuima) advocated about the need to make the TSAWR permanent to bring water price certainty to current and future farmers. Together the Commission worked with Water Authority staff and board members to demonstrate the value of agriculture to the region and the benefits farming provides.

Under the PSAWR program, which will take effect January 1, 2021, the Water Authority will provide a wholesale rate savings for agricultural participants of \$474 per acre foot — a 27% savings. Actual savings at the retail level will vary among agencies based on their unique wholesale cost and retail rate structures.

Growers who transfer from the TSAWR or opt-in to the PSAWR will be exempt from fixed water storage and supply reliability charges in exchange for lower water supply reliability during water shortages or emergencies. One district's general manager can only recall two instances since the inception of the TSAWR program in October 2008 where growers were forced to cut back their water use.

Over the next six months, the Water Authority will work with its 24 member agencies to verify existing customers' eligibility for the new program. Growers who are currently participating in the existing TSAWR program will be allowed to take part in the new PSAWR program while being screened for eligibility.

The parameters of the PSAWR program will be reevaluated in five years to determine water demands and supplies. If you are a customer within the Water Authority service area stay tuned for information from your water agency on how to remain in or opt-in to the PSAWR program. The Commission also will share additional PSAWR program details, including qualifying criteria and the sign-up process, as they are made available.

## **Ventura County Farmworker Household Assistance Program Still Accepting Applications**

Because of COVID, many Ventura County farmworkers are experiencing financial stress because they have lost their jobs, experienced reduced work hours or have had to stay home to care for ill family members. The [Farmworker Household Assistance Program](#) (FHAP) in Ventura County aids farmworkers who may be in danger of losing their homes due to the COVID pandemic. The FHAP deadline for farmworkers to apply has closed (September 30), but qualified households may still [apply and will be placed on a waiting list for grant awards](#).

FHAP provides a grant up to \$1,500 per eligible household. Qualified applicants must be low-income agricultural workers who have lived in Ventura County for at least the last 30 days. Applicants will need to provide proof of COVID-related financial losses such as:

- Reduced work hours/layoffs/workplace closures
- Inability to work due to COVID-19 infection
- Missed work due to lack of child care or school closures
- Unexpected expenses due to government health orders or the need to self-quarantine

Applicants also will need to demonstrate they are unable to meet basic household expenses such as food, housing or medical care. [Multi-lingual online videos are available to assist applicants with the process.](#)

FHAP is a collaboration between agricultural employers and farmworker advocates working in partnership with the Ventura County Community Foundation, House Farm Workers!, the Farmworker Resource Program, and the County of Ventura. If you are interested in supporting the efforts of these groups and the FHAP, please visit <https://vccf.org/fhap/> for further information.

### **Upcoming California Avocado Society Annual Meeting**

The [California Avocado Society will host its 105th Annual Meeting](#) virtually on Wednesday, October 21 beginning at 9:00 a.m. The live presentation will include in-field video presentations and participants will be able to ask questions. Presenters will discuss the following topics:

- Dr. Gary Bender — High density planting
- Lance Andersen — Evapotranspiration
- John Burr — Pulse irrigation
- Jim Davis — Avocado lace bug

To participate in the live meeting and presentations, you must pre-register. [Online registration for the CAS Annual Meeting is now open.](#) The meeting will be recorded and is free for members and non-members to view.

### **Valley Center Municipal Water District Shutoff**

From 1:00 a.m. on October 31 through 8:00 p.m. on November 10, the San Diego aqueduct that delivers water to the majority of the [Valley Center Municipal Water District](#) will be out of service for repairs. Water flow to the district will be severely restricted during this time and water that is in storage will be reserved for domestic use or fire protection.

Growers are encouraged to pre-water their groves in advance of the shutdown and to turn off all outside irrigation timers during this period. Low water and low pressure situations could occur due to the shutdown, so it is recommended that growers take the necessary precautions to prevent damage to their pumps.

For more information, contact the District office at 760.735.4500.

### **Online Organic Farming Lessons Available**

California avocado growers interested in learning about organic production can now receive free organic farmer training for specialty crops online. The online program allows growers to complete the training at their own pace.

The online training program includes six learning modules:

- Soil health
- Weed management
- Irrigation and water management
- Insect and mite pest management
- Disease management
- Business management and marketing

The modules can be completed in any order. No certificate or credit is given upon completion. Interested growers can [complete this form to receive a link to the free training program](#).

The training was designed by the Organic Farming Research Foundation, the University of California Sustainable Agriculture Research and Education Program and California Polytechnic State University in San Luis Obispo.

### **Microirrigation System Maintenance**

Microirrigation systems — microsprinklers, drip emitters and drip tape — tend to provide better distribution/emission uniformity than other irrigation methods. However, the miniscule flow passages in these systems can become clogged and thus disrupt the uniformity of water applied to a crop.

Late fall and winter are an ideal time to review irrigation systems for needed repairs or malfunctions. A great resource is the University of California Division of Agriculture and Natural Resources' (UCANR) [webpage that outlines various causes of microirrigation clogging](#) and means of preventing or mitigating the problems.

The first step in alleviating clogs is identifying the problem. Clogs can be caused by:

- Particulates — sand, silt, clay — from surface water sources
- Biological materials — algae, bacterial slimes — from surface water sources
- Chemical precipitates — such as iron and calcium carbonate — from groundwater sources or fertigation

To identify the issues, UC ANR recommends first flushing water from the lateral lines through a nylon stocking or paint straining cloth and examining what material is collected. If you see mineral particles, you have identified your problem. If you notice that clogging tends to occur at the ends of the lines, this also tends to indicate particulate clogging.

If you identify organic matter when flushing the line, then biological materials are the issue. You also can open the end of a lateral line and feel inside the tube to see if it is slimy. If so, biological materials are the source of your problem.

If you note white, crusty materials or reddish staining of the soil near the emitters, this is indicative of chemical precipitates.

Once you have identified the clogging source, you can take steps to address the issue.

Particulate issues can be prevented by regular line flushing and the use of filters. UCANR provides a list of various filters and a [table noting which filter to choose based on water source, particulates and irrigation system](#). To adequately flush the lines, water must flush at least 1 foot per second at the end of the drip line — 1 gallon/minute for 5/8" diameter and 2 gallons/minutes for 7/8" diameter drip lines.

If organic matter is the source of the clogging, the best mode of treatment is a good filtration system combined with use of a biocide to remove the biological contaminants. Visit the UCANR site for a [list of filters](#) and the aforementioned “how to choose a filter” table.

If calcium carbonate (lime) or iron is clogging your emitters, strong acid can make either disappear if emitters are left in it overnight. Lowering the pH (6 or below) of the water by injecting common acids — sulfuric acid, muriatic acid or hydrochloric acid — can help prevent clogging due to lime. UCANR [provides specific formulas to help growers determine the injection rate needed to alter water pH](#).

If high iron levels are the source of the clogging, aerating the water to oxidize the iron and then allowing the precipitates to settle before irrigating (a reservoir or settling basin is necessary) is the most practical option. Common acids also can be injected to decrease the pH of the water (4 or less).

For more information on [routine microirrigation tasks, visit the UCANR website](#).

## **Living Well Brand Advocates Capture the Attention of Consumers with Creative California Avocado Content**

Health and wellness continue to be topics of great interest to consumers. To satisfy consumers’ penchant for new recipes ideas and nutrition information, the California Avocado Commission (CAC) partnered with trusted third-party experts who promoted the health benefits of California avocados, demonstrated usage tips and shared one-of-a-kind recipe ideas for a wide range of dietary lifestyles. Throughout the summer, CAC’s Living Well Brand Advocates engaged consumers with relevant, entertaining content on digital and social media channels garnering 3 million impressions from blogs, social media posts, recipes, YouTube videos, Facebook Live events and television appearances.

Each advocate focused on a specific theme chosen by the Commission to pair consumer interest with the advocate’s personal style. For California Avocado Month, Liz Shaw, MS, RDN, CLT, CPT, shared five “Shaw Simple Swaps” ideas that provided consumers with easy ways to enjoy California avocado nutrient-dense snack options in place of processed snacks on the market. These unique snack options were shared on her [blog](#) and Instagram platform during California Avocado Month. Liz also gave San Diego retailers a boost with her “Simple Backyard Picnic Swaps” [television segment](#) that aired on ABC 10 San Diego Connect.

Culinary Dietitian Wendy Jo Peterson, MS, RDN, launched a four-day Twitter campaign leading up to the 4th of July weekend with a dozen Tweets showcasing holiday-themed recipes and tributes to California avocado growers.

Also heading into the 4th of July, Sophie Uliano, a Board-certified Holistic nutritionist, prepared her Healthiest Summer Picnic & Potluck Dish during a [Facebook Live event](#) for the plant curious. The event, which she pre-promoted on her social media platforms, was viewed by thousands of her loyal Monday evening followers on her popular plant-based page. Later in July Sophie posted an informative “[Why You Need California Avocados in Your Plant-based Diet](#)” video to her YouTube Channel, which has more than 100,000 subscribers.

Also, in July, Manuel Villacorta, MS, RDN invited followers into his “Caliente Kitchen” for a Facebook Live event where he discussed men’s health while preparing his signature California Avocado Steak Sandwich and California Avocado Steak Salad. The virtual event, which he pre-promoted on his social media platforms, also was posted to his [YouTube channel](#) after airing.

Bonnie Taub-Dix, MA, RDN, CDN, focused on a “Living Healthy and Staying Young” theme for August. She shared tips concerning how to age healthfully and highlighted her California Avocado Spa Smoothie in a [campaign](#) across all her social media channels.

Closing out the summer, Meme Inge, MS, RDN, authored a [“Cooking for One is Fun with California Avocados”](#) blog post on The Scoop. She discussed practical nutrition, shopping, prep and cooking tips for those who cook for one. She also touted California avocado nutrition benefits — including the fact they contain 6% Daily Value Vitamin E, an antioxidant that protects body tissues from damage and strengthens the immune system. Her Chicken with Brown Rice, Avocado, Veggie Medley recipe demonstrated the versatility of the fruit.

The Commission’s Living Well Brand Advocates built awareness for California avocados throughout the summer by providing a wide range of informative and inspirational content designed to fulfill consumer desire for new recipes that suit their particular dietary lifestyle. This awareness encourages consumers to purchase California avocados.



*Living Well Brand Advocate Liz Shaw pre-promoted her television segment on San Diego’s ABC Connect.*

## **Returning Chain Partners Showcase Peak Season California Avocados**

Three returning foodservice chain partners featured unique California avocado menu items in July and August with digital and social media promotions designed to remind diners that summer is prime California avocado season. Habit Burger, Rubio’s and Flame Broiler encouraged diners to enjoy fresh California avocados when dining away from home, providing additional exposure for the Golden State fruit during peak season.

Irvine-based Habit Burger rolled out a “Culinary Adventures of California” promotion at 220 units in Arizona, California and Nevada from July 17 – August 31. The California Avocado brand logo was featured prominently on the chain’s website next to the ever-popular Santa Barbara Char Burger. In addition, the chain celebrated National Avocado Day and National Guacamole Day with social media posts featuring fresh California avocados.



From July 11 – August 18, Rubio’s diners at 167 units in Arizona, California and Nevada could enjoy nutrient-dense California avocados in almost every one of the chain’s entrees. Headquartered in Carlsbad, Rubio’s sent a dedicated newsletter to their club members letting them in on the secret behind their California avocado crafted dishes. The California Avocado brand logo also was showcased on the chain’s home page.

Flame Broiler, which is based in Santa Ana, designed a pop-up feature on their website to inform patrons they were open during the pandemic, and inviting them to one of their 186 units in Arizona, California and Idaho for fresh California avocado menu items they could easily pick up curbside. The chain’s social media posts encouraged fans to add fresh California avocados to any dish on the menu from July 13 – August 18.

By partnering with returning foodservice partners, the Commission was able to tap into an existent fan base eager for California avocados and assist foodservice operators impacted by the COVID-19 pandemic.



Habit Burger’s online menu featured the California Avocados brand logo next to one of the chain’s popular offerings.

## 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 14, 2020

California Hass	Conventional #1 (Field Price Per Lb)	Organic #1 (Field Price Per Lb)
#32’s	\$0.76 - \$0.82	\$1.00 - \$1.06
36’s	\$0.76 - \$0.82	\$1.00 - \$1.06
40’s	\$0.76 - \$0.82	\$1.00 - \$1.06
48’s	\$0.76 - \$0.82	\$1.00 - \$1.06
60’s	\$0.60 - \$0.66	\$1.00 - \$1.06
70’s	\$0.44 - \$0.50	\$1.00 - \$1.06
84’s	\$0.42 - \$0.48	\$0.56 - \$0.62

\*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 10/11/2020	Season-to-Date (since 11/01/2019)	2020 Year to Date
Hass	2,483,493	352,981,676	352,955,433
Lamb	931	11,165,303	11,165,303
Other (Greens)	19,578	1,811,797	1,599,420
<b>California Total</b>	<b>2,504,002</b>	<b>365,958,776</b>	<b>365,720,156</b>
Florida	655,930	33,446,318	25,948,560
Chile	405,479	4,138,252	2,058,092
Mexico	54,116,629	2,067,914,754	1,657,429,920
Peru	0	184,299,619	184,299,619
Other (Imports)	260,000	44,650,000	36,210,000
<b>Import Total</b>	<b>54,782,108</b>	<b>2,301,002,625</b>	<b>1,879,997,631</b>
<b>USA Total</b>	<b>57,942,040</b>	<b>2,700,407,719</b>	<b>2,271,666,347</b>

Sources:

California = CAC (AMRIC)

Florida = Florida Avocado Admin Committee

Chile = Comité de Paltas, Chile

Mexico = APEAM

Peru = ProHass

Other Imports = USDA AMS website

### Crop Statistics

Below are the weekly harvest projections and actuals through week ending 10/11/2020, where year-to-date harvest volumes have exceeded 370 million pounds. Based on daily harvest volumes for this week, it is estimated another 2 million pounds of fruit will be harvested through week ending 10/18/2020, which will bring the industry near 373 million pounds, the mid-season crop estimate. With California harvest expected to last through October, at the current harvest rates it is estimated that the final crop size may come in closer to 377 million pounds. As the 2020 season comes to an end, CAC has been working with the industry to survey the volume estimates for the 2021 crop. While it is certainly very early for estimating the 2021 crop, the latest round of handler surveys has resulted in preliminary numbers of 333 million pounds (all varieties). The varietal breakdown of these preliminary numbers is: Hass-319 million; Lamb Hass-10 million; Gem-3 million; Other-1 million. While these early numbers have helped to inform budgeting decisions for the CAC Board, the official 2020-21 California pre-season estimate will not be finalized until December 2020.



**2020 California Crop Weekly Harvest Projection**  
**Weekly Crop Movement vs. Distribution Projections**  
**All Varieties**

Week Ending (CAC Week)	4-Year Historical Forecast	AMRIC Handler Forecast	Industry Adjusted		
	2020 Crop Estimate	July 2020 Update	AMRIC Harvest	AMRIC Shipments	Crop Size Indicator
<b>1st QTR SubTotal</b>	<b>46,970,300</b>	<b>62,797,900</b>	<b>62,632,891</b>	<b>52,385,402</b>	
<b>2nd QTR SubTotal</b>	<b>208,904,900</b>	<b>180,168,200</b>	<b>183,472,758</b>	<b>181,250,607</b>	
Jul 5 - (36)	17,578,200	14,163,600	12,177,567	11,574,500	374,673,325
Jul 12 - (37)	16,410,700	13,601,000	11,798,416	13,322,977	372,105,745
Jul 19 - (38)	15,887,500	10,485,100	10,492,982	15,018,629	372,149,541
Jul 26 - (39)	12,604,900	9,917,300	9,778,341	12,642,478	372,000,478
Aug 2 - (40)	10,048,300	9,504,100	9,606,655	9,872,224	372,159,315
Aug 9 - (41)	8,464,600	9,925,700	9,865,726	9,555,162	372,114,152
Aug 16 - (42)	7,533,300	9,558,200	8,963,219	9,861,463	371,447,339
Aug 23 - (43)	6,154,000	9,476,700	8,183,969	10,729,539	370,029,021
Aug 30 - (44)	5,176,500	8,960,900	8,756,953	9,712,553	369,882,962
Sep 6 - (45)	3,233,000	7,779,100	8,747,545	9,530,575	370,995,973
Sep 13 - (46)	2,491,000	6,776,200	6,209,499	6,981,700	370,435,815
Sep 20 - (47)	2,436,000	6,790,200	6,997,493	8,015,120	370,699,028
Sep 27 - (48)	2,037,600	5,674,000	6,137,477	7,900,578	371,207,626
Oct 4 - (49)	1,089,700	3,120,200	4,090,383	7,916,642	372,204,297
Oct 11 - (50)	640,000	1,864,400	2,504,002	6,233,898	372,852,109
Oct 18 - (51)	270,900	845,300	-	-	
Oct 25 - (52)	266,400	831,300	-	-	
Nov 1 - (1)	155,900	479,700	-	-	
Nov 8 - (2)	7,700	8,900	-	-	
Nov 15 - (3)	3,800	4,500	-	-	
Nov 22 - (4)	40,600	47,800	-	-	
Nov 29 - (5)	24,100	28,400	-	-	
Dec 6 - (6)	23,600	1,600	-	-	
Dec 13 - (7)	52,800	72,200	-	-	
Dec 20 - (8)	263,300	65,200	-	-	
Dec 27 - (9)	230,300	52,300	-	-	
<b>2nd Half SubTotal</b>	<b>113,124,700</b>	<b>130,033,900</b>			
<b>Season-to-Date</b>	<b>367,660,500</b>	<b>370,562,800</b>	<b>370,415,875</b>	<b>382,504,047</b>	
<b>% of Crop</b>	99%	99%	99%	103%	
<b>Crop Size</b>	<b>373,000,000</b>	<b>373,000,000</b>	<b>Left to Harvest</b>	<b>Left to Ship</b>	
<b>Crop Variance</b>	2,755,375	(146,925)	2,584,125	(9,504,047)	

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

(October 9 – November 2)

Summary- A weakening trough will move into mainly northern California late on the 9th through the 11th with some light rain possible. This does not appear to be a change in the high pressure pattern as high pressure will build again from the 12th through the 18th with warmer than normal temperatures across the state. The long wave trough will reestablish itself across the central north Pacific and Gulf of Alaska well north of Hawaii. Only weak systems and upper lows will move into the high pressure. One on the 15th/16th with a trough from the 22nd through the 24th. Some high pressure but not

as warm from the 25th through the 27th. A more active trough pattern and better rain through northern and central California from the 28th through Nov 3rd as some changes to the general pattern with a trough near the California coast setting up. Historically the pattern turns cooler and wetter the last few days of October through the 1st 5 days of November. This year looks similar with a wetter and colder pattern at that time.

In the near term, watch for troughing into central and N California, S California about the 10th with showers and cooler weather. The system looks weak as it hits a persistent high pressure so only light rain is expected across northern California and drizzle across central and southern California coastal areas. High pressure builds from the 12th through the 14th but does not get as strong with only warm temperatures across the state. Another trough will bring a chance of rain to mainly northern California on the 19th and 20th with a weakening of the high pressure. The first significant one since May, are possible as a deeper trough moves through the region from the 22nd through the 24th with a wetter trough and change to the general weather pattern from the 28th through the 3rd of November.

Santa Ana or offshore hot winds are possible again during those periods between rains, i.e. 10/12-15, and 22nd thru the 23rd. More Santa Ana's after the deep trough from the 4th through the 7th of November. Thereafter upper high pressure and hot Fall conditions redevelop over most of California from the 4th through the middle of the month. The main issue for NW California is the wildfires that continue to burn and contribute to poor air quality, especially the August Complex, caused by lightning 7 weeks ago.

A *La Niña* pattern is in place (dry in central and S California, wet in NW and N California and the Pacific Northwest) for late October, November, and December. The NW California coast still looks wet for January 2021.

We are approaching the end of the hurricane season off Baja California. But tropical systems could linger through the middle of November with some of the moisture teleconnecting into the mid-latitudes. Tropical cyclones will continue active near southern Baja California through October, occasionally building upper high pressure and hot dry conditions into central and northcentral California as mentioned above.

The most severe issue appears to be the persistent lack of rain during the winter rain periods of Nov – Jan in central and S California. February and March continue to look unusually dry and warm. With the *La Niña*, this region will likely stay well below normal!

#### **Potential Dates of Precipitation (from Fox Weather's CFSDailyAI system):**

The listing of dates for warm and cool spells, and for precipitation are based on our CFSDailyAI system, which presents basic trends in precipitation and temperature 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 CFSv2 maps.

#### **Salinas Valley-San Luis Obispo Co:**

##### Oct 9-27 Salinas Valley-Central Coast:

Precipitation: Marine Layer drizzle maxima: few drizzles/sprinkles from marine layer low clouds 10/10-11, 10/19-20, 10/22-24, 10/28-11/3. Light rain north areas & mountains.

Temperature trend: Seasonal 10/9-11. Warm to very warm 10/12-18, Near normal 10/19, Cool 10/20-24, Warm 10/25-27, Cool 10/18-11/3.

##### Oct 9-27 San Luis Obispo/Edna:

Precipitation: Strong marine layer with coastal drizzle possible 10/10-11, Other drizzle 10/19-21, 10/22-24, 10/28-4. General rain unlikely as most will stay to the north of the region.

Temperature trend: Warm to very warm 10/12-18, Cool 10/19-24, Warm 10/25-27, Cool 10/28-11/4.

### **Southern California Citrus/Avocado Area, San Luis Obispo Co to San Diego Co:**

#### Oct 9-27 Santa Barbara, Ventura to San Diego Co:

Precipitation: Showers with a weak upper low 10/15-16th though most areas will stay dry, Coastal drizzle 10/9-11, 10/19-20, 10/23-24, 10/28-11/3. A dry pattern will continue through the next month.

Temperature Trend: Cool 10/10-11, Very warm 10/12-18, Warm 10/19-24, Warm 10/25-28, Cool 10/19-11-4.

#### Oct 9-27 San Diego/Orange:

Precipitation: Marine layer 10/7-12, Offshore with some Santa Ana winds 10/13-16. Onshore returns 10/18-25, Offshore with possible Santa Ana winds 10/26-27. Onshore 10/28-11-4.

Rainfall: Coastal drizzle 10/9-11. Isolated showers 10/15-16 from a weak upper low. More coastal drizzle 10/19-21, drizzle 10/22-24, drizzle 10/28-11/3.

Temperature Trend: Cool 10/10-11, Very warm 10/12-18, Warm 10/19-21, Cool 10/22-24, Warm 10/25-28, Cool 10/29-11/4. Hotter days from the 12th through the 18th could see inland valleys into the low to mid 90s.

### **Summary – October 28 – November 28...**

#### Central Coast-Salinas Valley and Paso Robles areas:

Oct 28-Nov 28 Salinas Valley: Central Coast Precipitation: 10/28-4 with some rain on and off due to a deeper trough pattern.

Warm to hot Spells. 11/5-15. High pressure sets up with much warmer than normal temperatures. Most of the month looks dry after the 4th with some weak systems possible towards Thanksgiving and the end of the month.

#### San Luis Obispo/Edna:

Precipitation: Light rain mainly north areas and mountains from 10/29-11-4. Dry most areas from 11/5-15. Some weaker systems could bring light rain later in the month but a drier than normal pattern will continue through most of the month.

Hot/Cool spells: Cool 10/29-11/4, Warm to very warm 11/6-15, Warm 11/16-28.

#### Santa Barbara, Ventura Co's to San Diego Co:

Rain unlikely but some coastal drizzle is possible at times. Best chance of drizzle will be 10/28-11/3. Dry with offshore flow and occasional Santa Ana & offshore flows from 11/4-9. Shifts between onshore and offshore flow are expected from 11/10 thru the end of the month.

**Seasonal Outlook** - The long range outlook for Nov 30, 2020 – Feb 28, 2021... A dry and warm late fall continues to be indicated, with recurrent Santa Ana's for SOCAL and coastal mountains of the central coast, and in the Sierra west slope. December is a little drier than normal for NORCAL, and marginally wet for Central and Southern California. Jan and Feb 2021 currently look quite dry throughout California, as does Nov 2020. This appears to be a *La Niña* season for 2020-early 2021, with persistent upper high pressure near the coast of N and central California for extended periods. It may be difficult to realize precipitation approaching normal in central and Southern parts of California, including most of the central and part of the north-central Sierra. Temperature anomalies decrease to near normal in Dec and Jan, arguing for about the normal number of frosts and freezes, mainly focusing in Dec, and Jan to early Feb 2021.

