



# California Crop Weather

Cooperating with the California Department of Food and Agriculture

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**WEEK ENDING: June 19, 2016**  
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## WEATHER

A hot and dry week across the state of California as an upper-level ridge of high pressure continued to sit over the western continental United States. A gradual cooldown during the second half of the week and over the weekend in response to a weakening of the ridge and development of a trough led to relief from the heat and dry conditions.

Temperatures along the coast were moderated somewhat by inland progression of the Pacific sea breeze, holding temperatures in the 60s and 70s in most areas. In the mountains temperatures fluctuated between the 70s-90s. In the valley temperatures fluctuated between the 90s-100s. Temperatures were much hotter across the desert having fluctuated between 80s-110s. Overnight lows were similarly mild, with 30s-50s in the mountains, 50s-60s along the coast and the valley, and 50s-80s in the desert.

These temperatures cooled gradually over the week, with afternoon highs about 15 degrees cooler in the valley and, and overnight lows about 10-15 degrees cooler in the valley, deserts, and mountains. Meanwhile, parts of the interior desert approached 115 degrees, and Death Valley even broke 120 degrees for the first time this summer on Wednesday.

The presence of the upper-level ridge prevented rainfall throughout the week, but by the weekend, it had weakened enough to allow for daytime heating to drive scattered shower and thunderstorm activity in the Sierras. Most of this convection was in the form of thunderstorms with little precipitation, inviting lightning and dropping less than half an inch of rainfall.

Snowmelt continues on schedule in the mountains, with snowpacks 1-2 feet above 11,000 feet in southern and central Sierras, and 1-3 feet above 8,500 feet in the northern mountains.

## FIELD CROPS

Hot weather accelerated growth of **wheat, rice, cotton, corn, and alfalfa**. Hay was cut, windrowed and baled. Alfalfa seed was harvested and the fields were treated to control for aphids. Alfalfa seed is exported to Saudi Arabia. **Cotton** grew well and continued to be irrigated and is progressing nicely with the hot weather. Some fields were undergoing control pests. **Corn** planting had emerged. **Garlic** and **Onions** were harvested. **Garbanzo** beans were dry and harvest is underway. **Onions** grown from seed in the Firebaugh District were maturing. **Safflower** is blooming.

## FRUIT CROPS

In Santa Barbara County, fire were threatening **citrus** and **avocado** orchards. In Tulare County, **peaches, nectarines, apricots, and plums** continued to be picked and shipped to local and foreign markets. Reflective plastic were placed in some orchards to assist the promotion of color. **Grape** vines had some leaves pulled to improve air flow and sun light, and were being trellised. In Fresno County, mildew in grapes were reported. Irrigating for tree fruit continued and harvesting of early variety tree fruits continued.

## NUT CROPS

In Tulare County, new plantings of **almonds** and **pistachio** trees were planted. **Walnut**, almond, and pistachio orchards continued to be irrigated. Herbicides and mowing continued to be used to control weeds in nut orchards. In Fresno County, some mites were reported in almond orchards. Miticide applications continued. In Merced County, almond growers reported that the almond hull split on the Nonpareils variety was starting. Growers began to prepare for the hull split spray with an insect growth regulator. Pistachios were still in shell hardening and expected to be easing into kernel fill soon.

## VEGETABLE CROPS

In Merced County, there were reports of yellowstriped armyworms in **tomatoes**. In Monterey County, the warm weather caused increased pest pressures. All local commodities were in production and harvest. **Asparagus** was nearing the end of the annual production season. Fresno County, blossom-end rot observed in some tomato fields. In Tulare County, summer vegetables were harvested and shipped domestically. **Zucchini, Italian squash, peppers, and cucumbers** were harvested. Early planted **sweet corn** was harvested and sold at roadside stands. **Melons** were irrigated and prepped for harvest. **Cantaloupes** were picked. **Eggplants** and tomatoes continued to grow and mature. In Kings County, tomatoes were reported as doing very well with less curly top and beet leafhopper reported than last year.

## LIVESTOCK

Foothill rangeland reported in fair condition. Range and non-irrigated pasture in the Sacramento and San Joaquin Valleys were in fair to poor condition. Warm weather continued to desiccate rangeland grasses and forbs, though some precipitation in the North State mitigated that to some degree. Though Cal Fire anticipates a severe fire season, the acreage burned to date is about ten percent below that of last year and on track with the five year average. This week's new fires burned over 10 thousand acres, while an additional 2,500 acres were burned by ongoing fires. Bees continue to work alfalfa, melon and squash fields. Sheep grazed on cut small grain fields. Cattle were moving onto summer upper elevation range.

| CALIFORNIA CROP WEATHER – WEEK ENDING 6/19/2016 |                               |                          |      |              |                                  |                      |                               |                       |                   |                   |                 |
|---|-------------------------------|--------------------------|------|--------------|----------------------------------|----------------------|-------------------------------|-----------------------|-------------------|-------------------|-----------------|
| STATIONS  | TEMPERATURE                   |                          |      |              | GROWING DEGREE DAYS AT 60°F BASE |                      | RAIN DAYS                     | PRECIPITATION 1/      |                   |                   |                 |
|   | Average Week Ending 6/19/2016 | Departure from Normal 2/ | High | Low          | This Year                        | Normal Year 2/       | This Season                   | This Week             | This Season       | Normal Season 2/  | Normal Year 2/  |
|   |                               |                          |      |              | January 1- 6/19/2016             | January 1- 6/19/2016 | July 1- 6/19/2016             | Week Ending 6/19/2016 | July 1- 6/19/2016 | July 1- 6/19/2016 | July 1- June 30 |
| -- Degrees Fahrenheit --                        |                               |                          |      | -- Number -- |                                  | -- Days 3/ --        | -- Inches of Precipitation -- |                       |                   |                   |                 |
| <b>North Coast</b>                              |                               |                          |      |              |                                  |                      |                               |                       |                   |                   |                 |
| Eureka WFO                                      | 58                            | 2                        | 66   | 48           | 13                               | 1                    | 130                           | 0.00                  | 46.90             | 37.97             | 38.10           |
| Ukiah   | 63                            | -5                       | 88   | 48           | 455                              | 241                  | 99                            | 0.36                  | 37.01             | 38.90             | 38.90           |
| Santa Rosa                                      | 65                            | -2                       | 88   | 46           | 306                              | 253                  | 84                            | 0.19                  | 30.75             | 31.01             | 31.01           |
| Napa State Hosp                                 | 65                            | -3                       | 91   | 49           | 398                              | 273                  | 77                            | 0.00                  | 24.87             | 26.46             | 26.46           |
| <b>Central Coast</b>                            | 0                             | 0                        | 0    | 0            | 0                                | 0                    | 0                             | 0.00                  | 0.00              | 0.00              | 0.00            |
| San Francisco                                   | 64                            | 3                        | 82   | 53           | 272                              | 111                  | 64                            | 0.00                  | 18.58             | 20.11             | 20.11           |
| San Jose  | 67                            | -3                       | 87   | 51           | 545                              | 404                  | 59                            | 0.00                  | 14.91             | 15.08             | 15.08           |
| Salinas   | 63                            | 1                        | 82   | 46           | 206                              | 125                  | 56                            | 0.00                  | 13.78             | 12.91             | 12.91           |
| Monterey  | 61                            | 3                        | 75   | 50           | 128                              | 37                   | 67                            | 0.00                  | 21.85             | 20.35             | 20.35           |
| King City Ag                                    | 66                            | -2                       | 93   | 45           | 365                              | 301                  | 54                            | 0.00                  | 10.10             | 12.30             | 12.30           |
| Paso Robles                                     | 68                            | -2                       | 100  | 43           | 485                              | 327                  | 41                            | 0.00                  | 9.26              | 13.08             | 13.08           |
| <b>Sacramento Valley</b>                        | 0                             | 0                        | 0    | 0            | 0                                | 0                    | 0                             | 0.00                  | 0.00              | 0.00              | 0.00            |
| Redding   | 70                            | -7                       | 96   | 53           | 940                              | 549                  | 92                            | 2.46                  | 44.53             | 33.40             | 33.52           |
| Red Bluff                                       | 70                            | -7                       | 97   | 54           | 903                              | 650                  | 82                            | 1.27                  | 27.87             | 23.97             | 24.07           |
| Willows 6W                                      | 67                            | -6                       | 89   | 50           | 702                              | 501                  | 65                            | 0.45                  | 17.60             | 18.99             | 19.03           |
| Oroville  | 70                            | -5                       | 92   | 54           | 837                              | 538                  | 82                            | 0.12                  | 21.55             | 28.71             | 28.75           |
| Marysville                                      | 69                            | -7                       | 91   | 51           | 752                              | 699                  | 74                            | 0.01                  | 21.97             | 22.04             | 22.07           |
| Sacramento                                      | 68                            | -4                       | 92   | 51           | 689                              | 496                  | 65                            | 0.00                  | 18.30             | 17.93             | 17.93           |
| <b>San Joaquin Valley</b>                       | 0                             | 0                        | 0    | 0            | 0                                | 0                    | 0                             | 0.00                  | 0.00              | 0.00              | 0.00            |
| Stockton  | 69                            | -5                       | 93   | 47           | 682                              | 584                  | 66                            | 0.00                  | 19.00             | 13.84             | 13.84           |
| Modesto   | 73                            | -2                       | 94   | 51           | 934                              | 672                  | 50                            | 0.00                  | 15.20             | 13.12             | 13.12           |
| Merced Macready                                 | 72                            | -3                       | 93   | 50           | 730                              | 606                  | 51                            | 0.00                  | 14.66             | 12.50             | 12.50           |
| Madera  | 72                            | -4                       | 94   | 50           | 818                              | 653                  | 50                            | 0.00                  | 13.30             | 11.94             | 11.94           |
| Fresno  | 73                            | -4                       | 95   | 53           | 1018                             | 719                  | 56                            | 0.00                  | 14.79             | 11.20             | 11.23           |
| Lemoore NAS                                     | 73                            | -3                       | 94   | 50           | 899                              | 664                  | 39                            | 0.00                  | 6.82              | 7.89              | 7.89            |
| Visalia   | 73                            | -3                       | 94   | 51           | 891                              | 666                  | 49                            | 0.00                  | 9.08              | 11.03             | 11.03           |
| Bakersfield                                     | 75                            | -4                       | 92   | 53           | 1199                             | 843                  | 36                            | 0.00                  | 5.43              | 6.49              | 6.49            |
| <b>Cascade Sierra</b>                           | 0                             | 0                        | 0    | 0            | 0                                | 0                    | 0                             | 0.00                  | 0.00              | 0.00              | 0.00            |
| Alturas   | 54                            | -6                       | 83   | 33           | 74                               | 24                   | 118                           | 0.46                  | 15.85             | 11.93             | 12.13           |
| Mount Shasta                                    | 56                            | -5                       | 81   | 39           | 172                              | 41                   | 123                           | 1.86                  | 47.29             | 38.93             | 39.16           |
| Blue Canyon                                     | 53                            | -9                       | 70   | 35           | 125                              | 46                   | 102                           | 0.12                  | 72.64             | 66.20             | 66.36           |
| Yosemite Valley                                 | 64                            | -3                       | 92   | 40           | 278                              | 155                  | 80                            | 0.00                  | 38.38             | 37.53             | 37.73           |
| <b>South Coast</b>                              | 0                             | 0                        | 0    | 0            | 0                                | 0                    | 0                             | 0.00                  | 0.00              | 0.00              | 0.00            |
| Santa Maria                                     | 62                            | 1                        | 80   | 45           | 268                              | 103                  | 51                            | 0.00                  | 9.10              | 14.01             | 14.01           |
| Santa Barbara                                   | 63                            | -2                       | 84   | 47           | 208                              | 281                  | 35                            | 0.00                  | 11.79             | 16.93             | 16.93           |
| Oxnard NWS                                      | 65                            | 2                        | 81   | 51           | 396                              | 267                  | 29                            | 0.00                  | 8.98              | 15.62             | 15.62           |
| Riverside                                       | 75                            | 2                        | 111  | 56           | 1072                             | 701                  | 43                            | 0.00                  | 9.23              | 10.22             | 10.22           |
| Los Angeles                                     | 67                            | 1                        | 85   | 57           | 501                              | 485                  | 38                            | 0.00                  | 10.84             | 13.15             | 13.15           |
| San Diego                                       | 70                            | 4                        | 88   | 62           | 773                              | 605                  | 47                            | 0.00                  | 10.54             | 10.77             | 10.77           |
| <b>Southeast Interior</b>                       | 0                             | 0                        | 0    | 0            | 0                                | 0                    | 0                             | 0.00                  | 0.00              | 0.00              | 0.00            |
| Bishop  | 0                             | 0                        | 0    | 0            | 0                                | 0                    | 0                             | 0.00                  | 0.00              | 0.00              | 0.00            |
| Daggett   | 69                            | -3                       | 99   | 42           | 449                              | 383                  | 27                            | 0.00                  | 4.12              | 5.01              | 5.02            |
| Lancaster ATC                                   | 82                            | 0                        | 109  | 62           | 1385                             | 1081                 | 32                            | 0.00                  | 2.93              | 4.07              | 4.17            |
| Thermal   | 74                            | -2                       | 106  | 53           | 803                              | 585                  | 28                            | 0.00                  | 6.83              | 7.40              | 7.40            |
| Blythe  | 87                            | 1                        | 119  | 66           | 2039                             | 1731                 | 11                            | 0.00                  | 2.86              | 3.51              | 3.53            |
| Imperial CA                                     | 90                            | 1                        | 119  | 69           | 2156                             | 1715                 | 18                            | 0.00                  | 1.86              | 4.01              | 4.02            |

1/ Precipitation (rain or melted snow/ice).

2/ Normal periods 1970-2000 used in Departure From Normal calculations.

3/ Total number of days with precipitation events this season.

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