

Almond Board of California Disease Forecasts 2023
in cooperation with the University of California and Semios

Table 1. Daily risk assessment disease forecasts for Wed., Mar. 29 through Wed., April 5, 2023*

No.	County	Region	Anthraco­nose (date, value, level)^	Green fruit rot (date, precipitation, level)^	Bacterial blast (date, value, level)^	Bacterial spot (date, value, level)^	Alternaria leaf spot (date, value, level)^
1	Butte	West	0	3/29: 16.1 mm; 4/1-4/4: 0.08-1.29 mm daily; high	0	0	0
2	Colusa	East	0	3/29: 13.2 mm; high	0	0	0
3	Fresno	East	0	3/29-3/30: 1.3-11.2 mm daily; 4/4: 2.4 mm; high	0	0	0
4	Fresno	Central	0	3/29-3/30: 1.1-6 mm daily; high	0	0	0
5	Fresno	West	0	3/29: 1.8 mm; low	0	0	0
6	Kern	Central	0	3/29-3/30: 1-13.1 mm daily; 4/3: 2.3 mm; high	0	0	0
7	Kern	West	0	3/29: 3.22 mm; low	0	0	0
8	Kern	East	0	3/29-3/30: 2.6-13.4 mm daily; 4/3-4/4: 2.3-4.6 mm daily; high	0	0	0
9	Madera	Central	0	3/29-3/30: 1.2-6.9 mm daily; 4/4: 5.2 mm; high	0	0	0
10	Merced	Central	0	3/29-3/30: 1.2-12.5 mm daily; 4/4: 4.6 mm; high	0	0	0
11	Stanislaus	East	0	3/29-3/30: 2.1-12 mm daily; 4/3-4/4: 1.3-8.8 mm daily; high	0	0	0
12	Stanislaus	Central	0	3/29-3/30: 1.1-10.5 mm daily; 4/4: 4.4 mm; high	0	0	0
13	Stanislaus	West	0	3/29-3/30: 0.9-8.9 mm daily; 4/4: 1 mm; high	0	0	0

* - 7-day forecasts are based on temperature (inside- and outside-canopy measurements), precipitation, and leaf wetness which are powered by the Semios® precision farming platform.

^ - Numerical risk is scaled as follows: 0 = no risk, 1 = action threshold (Note: values may exceed 1 due to hourly accumulations).

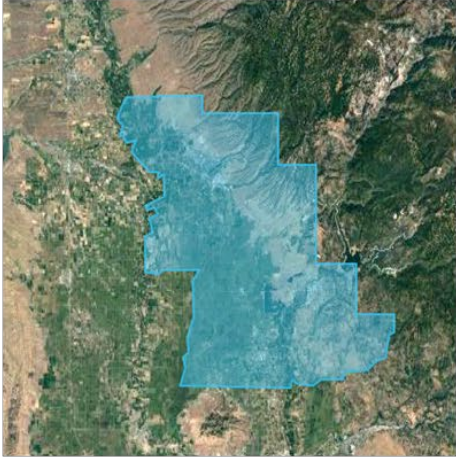
Industry Advisory - Summary for Selected Almond Growing Regions

Precipitation occurred in all regions between last week and this week, with a maximum amount of 26.22 mm (1.03 in) in Colusa-East on 3-21-23. With additional precipitation forecasted, the risk for green fruit rot is high in most areas except Fresno-West and Kern-West. Wetness allows *Botrytis cinerea* and other fungi to grow from senescing flower parts into healthy developing fruit. Therefore, areas that had high rainfall should be scouted for green fruit rot, especially in cultivars with high fruit set. Temperatures were below threshold levels for bacterial spot and anthracnose (below 62 F; 17 C). Although high precipitation occurred and more rain is forecasted, the predicted low temperatures in the coming week result in a zero risk for Alternaria leaf spot, anthracnose, bacterial blast, and bacterial spot for all regions (see Table 1). Bacterial blast samples (i.e., twig dieback) that are currently being submitted to my lab are positively identified for this disease that resulted from the cold wet weather events in the previous weeks. Brown rot incidence is low for untreated trees at this date, again due to the cold microclimates of the past few weeks during almond bloom.

The website <https://www.ag-radar.com> (password: Almondboard2022) displays actual and forecasted disease risk assessments for each region. Because these are regional forecasts, actual and predicted precipitation may vary among locations within each region. Additionally, historical records and experience for specific locations should be considered. This advisory will be updated weekly. The website "2022 Fungicide Efficacy Tables" is available to optimize fungicide selection and applications (<http://ipm.ucanr.edu/PDF/PMG/fungicideefficacytiming.pdf>).

Fig. 1. Maps of counties and regions.

Butte West



Colusa East



Fresno Central



Fresno East



Fresno West



Fig. 2. Maps of counties and regions.

Kern West



Kern East



Kern Central



Stanislaus Central



Stanislaus East



Stanislaus West

