

IPM Update – May 5th, 2026

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UNIVERSITY OF CALIFORNIA
Agriculture and Natural Resources

Statewide Integrated
Pest Management Program

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Degree days calculation from UCIPM website

Weather Models and Degree Days

Access weather station data for your location and use the pest weather models to make pest management decisions and time pest management activities.



On This Page: [Pest and Plant Weather Models](#) [Degree-Day Calculator](#) [California Weather Data](#) [Resources](#)

Pest and Plant Weather Models

Type to search for model



Beet armyworm



California red scale



Codling moth



Conspere stink bug



Fire blight



Fuller rose beetle



Lygus bug



Navel orangeworm

<https://ipm.ucanr.edu/weather/#gsc.tab=0>

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Oriental Fruit Moth

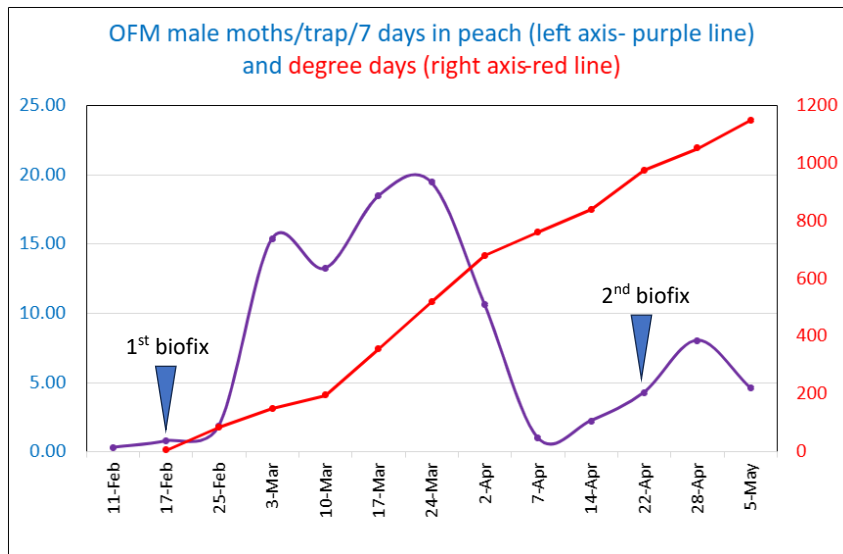


- 1st biofix: 17 February
- **2nd biofix: 22 April**
- DD (5/6): 227
- Projected 1st gen. spray timing (500 - 600DD): 23-28 March
- **Projected 2nd gen. spray timing (400 - 500DD): 16-21 May**

Generation Length (degree-days)			Spray Timing (degree-days)	
1st	2nd	3rd	Early generation	Later generations
920-1010	920-1010	920-1010	500-600	400-500

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Oriental Fruit Moth



1st biofix: 17 February
 2nd biofix: 22 April*
 DD (5/6): 227

*The graph shows only a mild increase on average of all traps from April 14 to 22. However, in one high infestation orchard, the count rose from 1.6 OFM/trap/day on 14 April to 14 OFM/trap/day on 22 April. Consequently, I have considered 22 April as the second biofix.

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Peach Twig Borer (PTB)

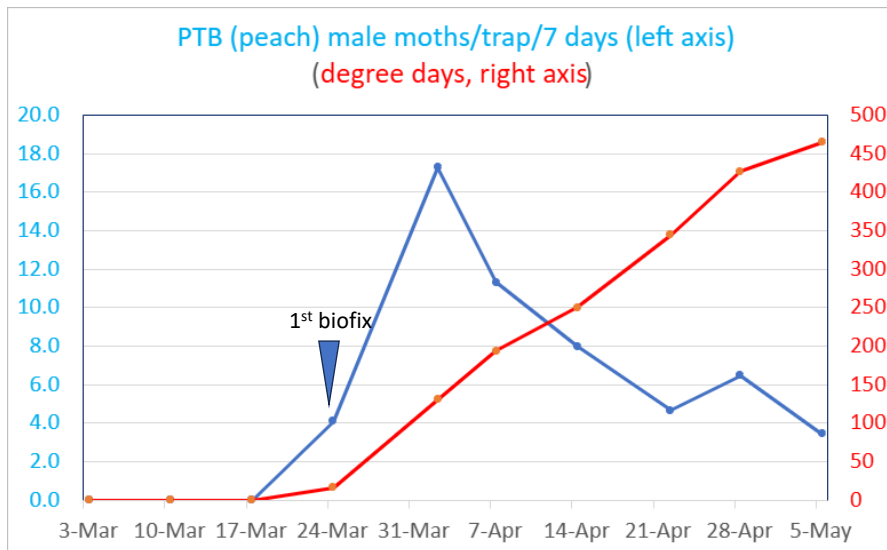
- 1st biofix: **24 March**
- DD (5/5): 465
- Projected 1st gen. spray timing (300 - 400 DD): **21-29 April**



Generation Length (degree-days)			Spray Timing (degree-days)	
1st	2nd	3rd	Early Generation	Later Generations
1030	1030	1030	400-500	300-400

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Peach Twig Borer (PTB)



- 1st biofix: **24 March**;
- DD (5/5): 465

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Codling Moth

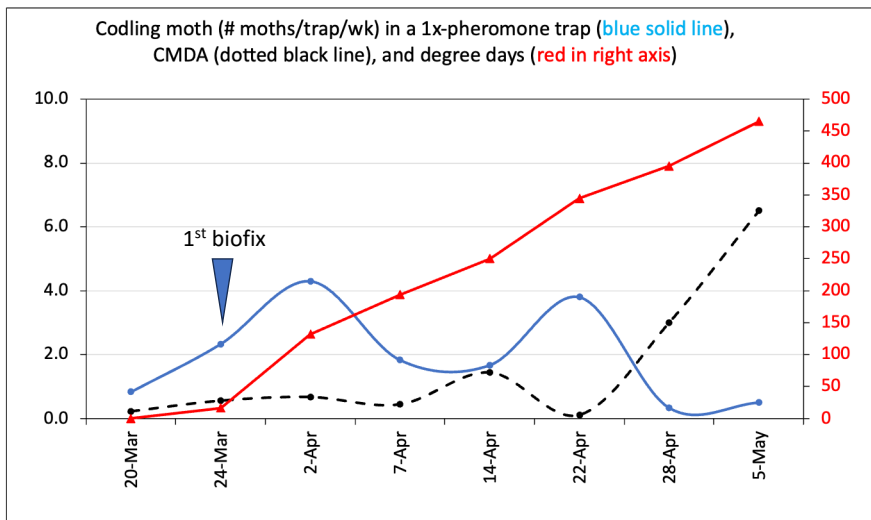


- 1st biofix: **24 March**
- DD (5/5): 465
- Projected 1A 1st gen. spray timing (250 – 300 DD): **April 17**
- Projected 1B 1st gen. spray timing (600 DD): **May 14**

Generation Length (degree-days)			Spray Timing (degree-days)	
1st	2nd	3rd	Early generation	Later generations
1060	1100	1200	250-300	250

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Codling Moth

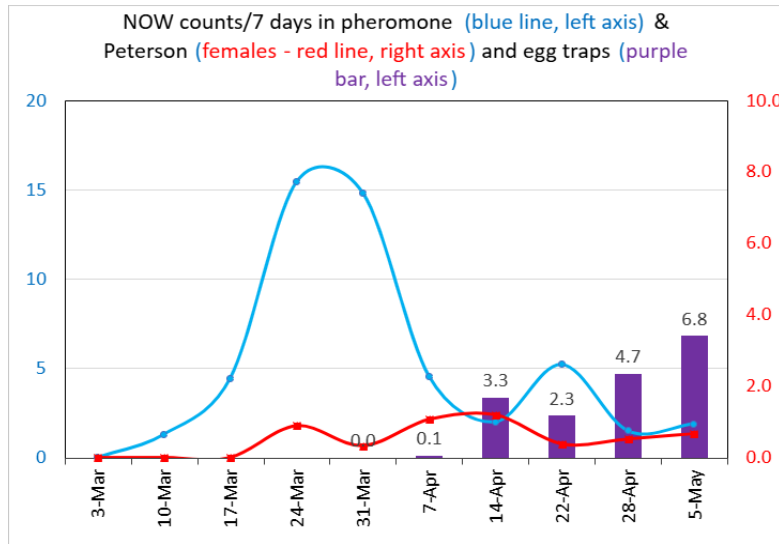


- 1st biofix: **24 March**
- DD (5/5): 465

We capture 2 adults in 3 traps in one of the three orchards in March 20, but all orchards had moths on March 24. so, March 24 was our biofix.

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Navel Orangeworm in almonds



- Egg laying biofix: **7 April**
- 2nd Flight (1056 DD): 3 July

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AlphaScents Panel trap with AlphaScents lure (2-3 weeks)
Size: about 2 ft tall

Testing new Leaffooted bug traps – both working fine for detection



Trece Canopy trap with Trece lure (8-12 weeks)
Size: Same as delta or wing trap

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Brown marmorated stink bug (BMSB) traps



Clear Panel Trap



Pyramid Trap




Experimental vibrational (Shindo) Trap



All baited with BMSB lure

First BMSB capture: March 3



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Brown marmorated stink bug (BMSB) damage

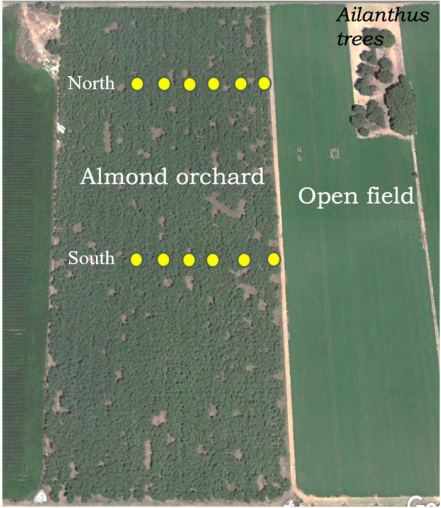


Table 3. Average almond kernel damage evaluated at different distances from the edge of the almond orchard, Stanislaus County, California.

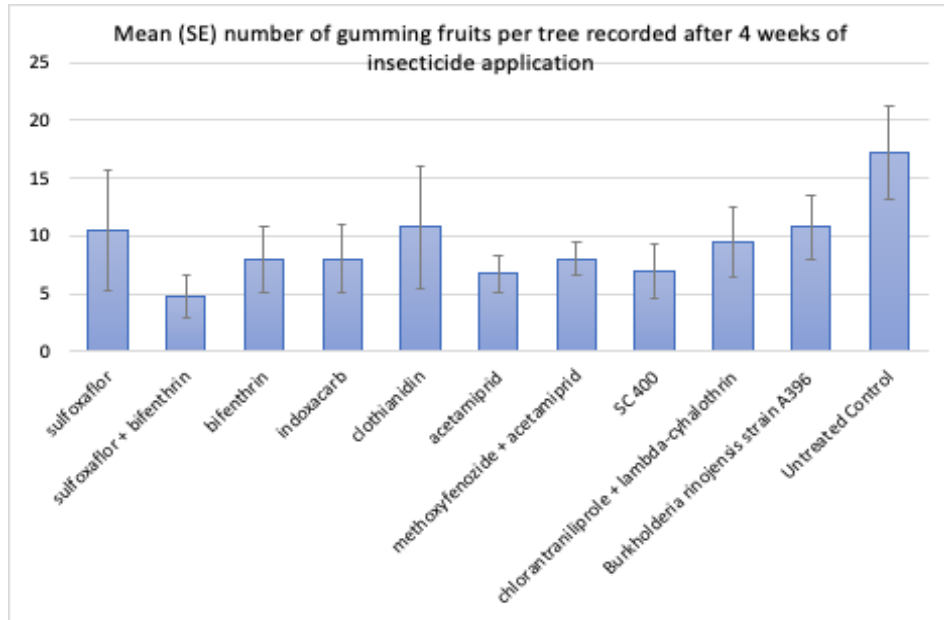
Distance	Kernel damage by BMSB (%)		
	Gummy	Brown spot	Depressed/dimpled
Edge	17.6 ^a ±3.34	31.2 ^a ±6.68	31.8 ^a ±6.64
12.2m	8.4 ^b ±0.93	11.0 ^b ±1.00	11.0 ^b ±0.95
24.4m	4.6 ^{bc} ±1.16	5.2 ^b ±0.90	6.2 ^b ±1.21
36.6m	2.8 ^{bc} ±1.12	5.0 ^b ±1.16	4.4 ^b ±1.15
48.8m	1.4 ^c ±0.60	6.0 ^b ±1.81	7.0 ^b ±1.44
61.0m	2.6 ^{bc} ±0.95	4.2 ^b ±0.92	4.2 ^b ±1.09

Within each category, means followed by the same letters are not statistically different at P=0.05.

Highly edge-driven!

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Insecticides against hemipterans



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Next's Speaker: May 20th

Dr. Roger Baldwin

Topic: Vertebrate Pest Specialist



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Stanislaus County

**TREE & VINE IPM
BREAKFAST MEETING**

March - June, 2026

Dates:
MARCH 4 & 18
APRIL 1 & 15
MAY 6 & 20
JUNE 3 & 17

*1 hour DPR "Other"
CE hour offered*

Disclaimer: Mention of commercial insecticides/products in this presentation does not constitute product endorsement, nor does it suggest products not listed would not be suitable for use. Some research results included involve the use of chemicals which are currently registered for use, or may involve use which would be considered off label. These results are reported but are not a recommendation from the University of California for use. Consult the label and use it as the basis of all recommendations.

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