

IPM Update – October 1, 2025

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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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Oriental Fruit Moth

- 1st biofix: 18 February
 - 2nd biofix: 13 May; 2nd gen. spray timing (400-500 DD): 30 May- 3 June
-
- 3rd biofix: 17 June
 - Projected 3rd flight spray timing (400-500 DD): 2-5 July
 - 4th biofix: 23 July
 - 5th biofix: 26 August



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

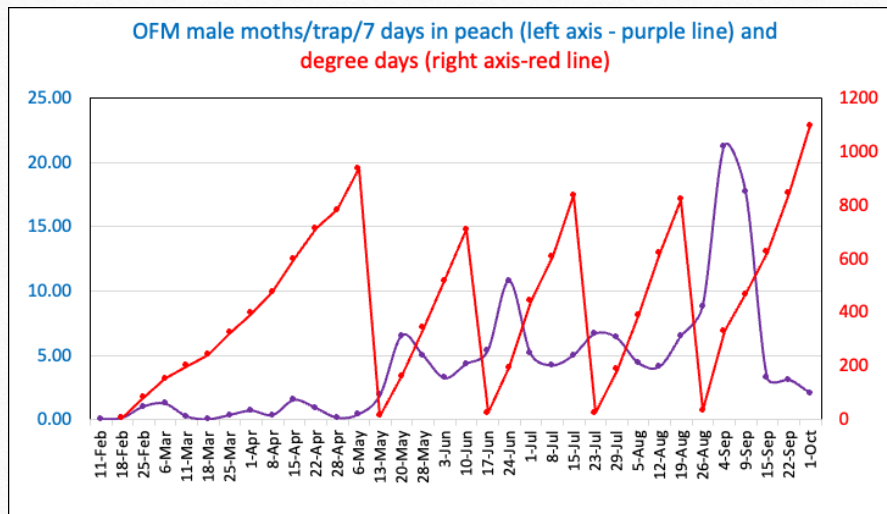


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Oriental Fruit Moth



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Peach Twig Borer (PTB)

- 1st biofix: 8 April
- 2nd biofix: 10 June
- Projected 2nd gen. spray timing (300-400DD): 24 – 29 June
- 3rd biofix: 15 July
- 4th biofix: 26 August



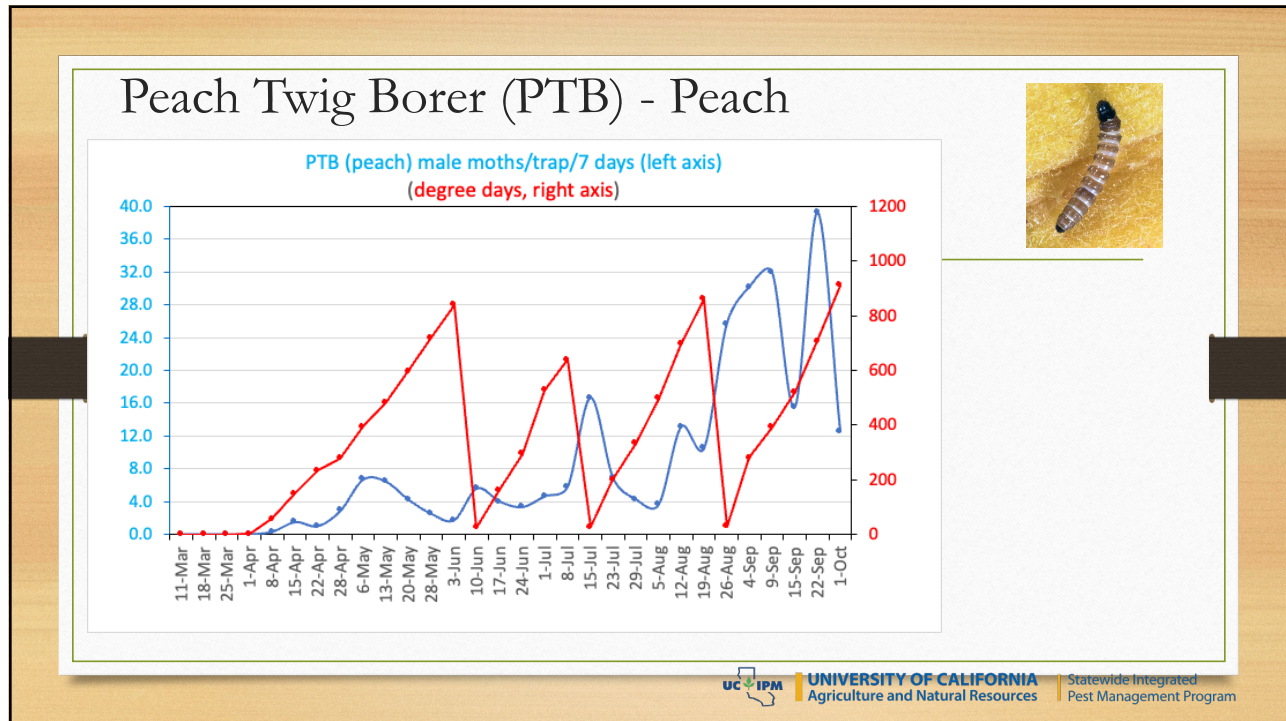
Generation Length (degree-days)			Spray Timing (degree-days)	
1st	2nd	3rd	Early Generation	Later Generations
1030	1030	1030	400-500	300-400



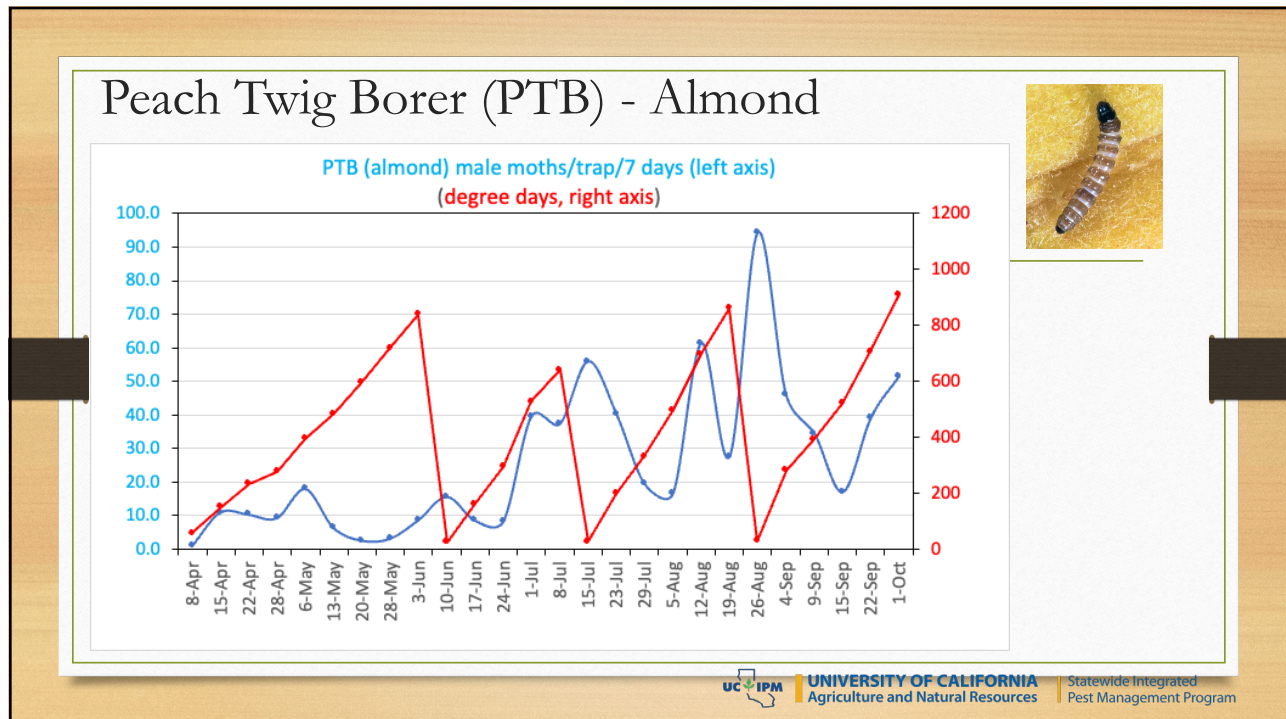
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Codling Moth

- 1st biofix: 1 April
- 2nd biofix: 17 June
- Projected 2nd gen. spray timing (250DD): 29 June
- 3rd biofix: 12 August



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



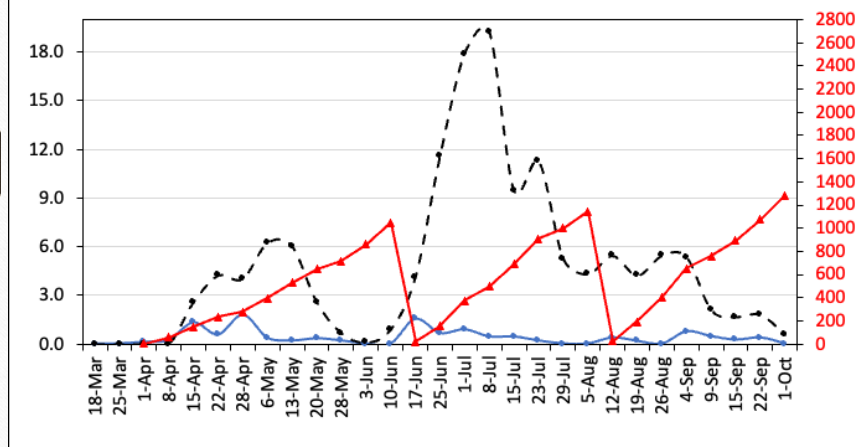
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Codling Moth

Codling moth (# moths/trap/wk) in a 1x-pheromone trap (blue solid line), CMDA (dotted black line), and degree days (red in right axis)



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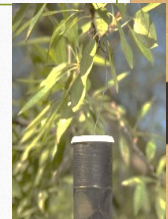
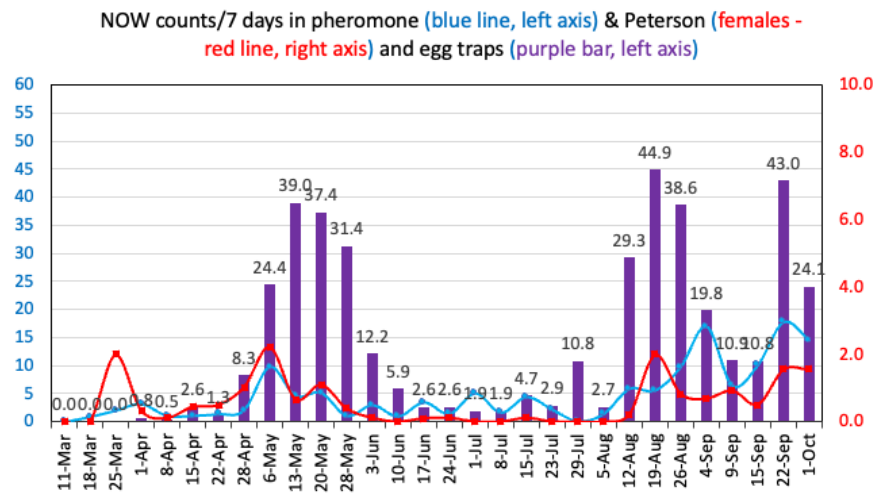
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Seasonal trap counts for navel orangeworm in almonds

Projected beginning of the 2nd generation (1056 DD): **29 June** (based on 8 April egg laying biofix based on egg traps)



Note: The pheromone trap capture rates, even during the peak period, were relatively low. I suspect that either the lure was not performing well or there was some influence of mating disruption in the area.

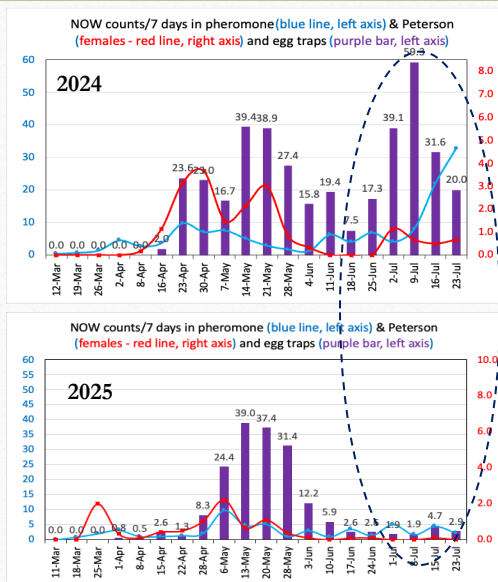


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Comparing NOW trap counts from the same orchards, the second flight, which begins around the first week of July, has been substantially lower so far in 2025 compared to 2024. It may not mean anything. I think the relatively cool summer might have contributed to this, plus winter sanitation efforts this year.



- ▶ Egg biofix: 16 April
- ▶ Beginning of egg hatching (100DD): 27 April
- ▶ Peak 1st flight: 18 May
- ▶ DD (6/20): 877
- ▶ Beginning of the 2nd gen. (1056DD): **29 June** (predicted)

2024

- ▶ Egg biofix: 8 April
- ▶ Beginning of egg hatching (100DD): 19 April
- ▶ Peak 1st flight: 17 May
- ▶ DD (6/20): 915
- ▶ Beginning of the 2nd gen. (1056DD): **29 June** (predicted)

vs.

2025



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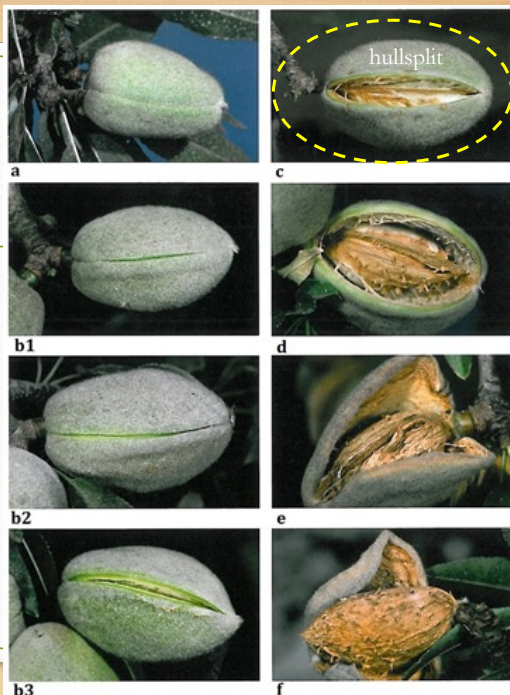
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Hullsplit for the NOW management perspective

Insecticide Options for NOW
Please read this article:

[Click here](#)



Stages of hull split

- a. unsplit hull;
- b1. initial separation;
- b2. deep V split;
- b3. deep V split, but nut pops when squeezed;
- c. split, but less than 1 cm (3/8 in);
- d. split, more than 1 cm;
- e. initial drying stages;
- f. completely dry

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Carpophilus beetle



- Inspect hullsplit nuts for carpophilus beetle activity
- Much lower CB activities have been observed this year compared to 2024 in most orchards



Photo taken: July 7, 2025, west side of Modesto



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