

2024 IPM Update -5 June

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Monitoring

- ▶ Use traps to monitor insect pests
- ▶ Keep trapping records
- ▶ Use biofix, *UCIPM guidelines*
- ▶ Use degree day models for making treatment decisions



Or google "Run Degree Days UCIPM"

Note:

- All trapping data reported in this presentation were collected from 2-4 commercial orchards in Stanislaus County. The weather station used for calculating degree days was CIMIS Station #206, Denair.
- Therefore, the information provided here should be used as a general reference, this is not a recommendation of any kind. All growers/PCAs should have their monitoring systems and tools in place, and use that information in making pest management decisions as "every orchard is different"

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Degree-day models: UCIPM

UC IPM
Statewide Integrated Pest Management Program

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How to Manage Pests

Run Models and Calculate Degree-Days

Our degree-day calculator has two branches. You can run preset models as recommended in our pest man Or, you can specify thresholds and method of calculation to calculate any degree-days. Weather data for th come from the UC IPM database for California, a file you supply, or data you enter online. | [Acknowledge](#)

| [Using this calculator](#) | [Reference degree-day tables](#) | [About degree-days](#) |

[Run models](#)
[Calculate degree-days](#)

Run models—using degree-days, as recommended by UC Cooperative Extension

Select an organism and preset thresholds


- Beet armyworm (Lower=54 F)
- California red scale (Lower=53 F)
- Codling moth (Lower=50 F, Upper=88)
- Conspere stink bug (Lower=53.6 F)
- Cotton (Lower=60 F)
- Elm leaf beetle (Lower=52 F)
- Fuller rose beetle (Lower=51 F)
- Lygus bug (Lower=54 F)

- [Reference degree-day tables](#) for accumulating de
- [Other models](#) of plants, pests, and beneficials—u (unknown validation)

Calculate degree-days—specify thresholds

Specify thresholds and method of calculation

Thresholds
 Fahrenheit Celsius

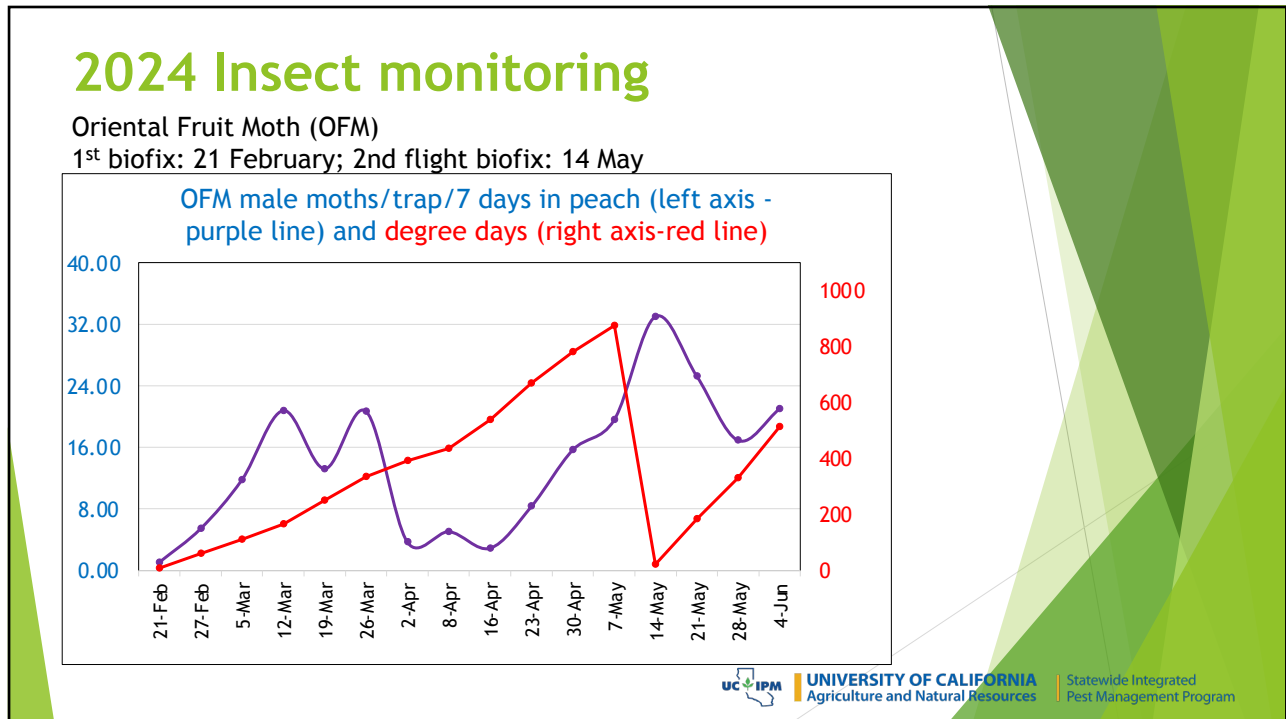




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2024 Insect monitoring

- ▶ Oriental Fruit Moth (OFM): 1st Biofix 21 February
 - ▶ 1st biofix 21 February
 - ▶ 1st gen. spray timing (500 - 600DD): 12-19 April
 - ▶ 2nd gen. biofix: 14 May
 - ▶ DD accumulated (as of 6/4): 513
 - ▶ 2nd gen spray timing (400-500): 30 May - 3 June



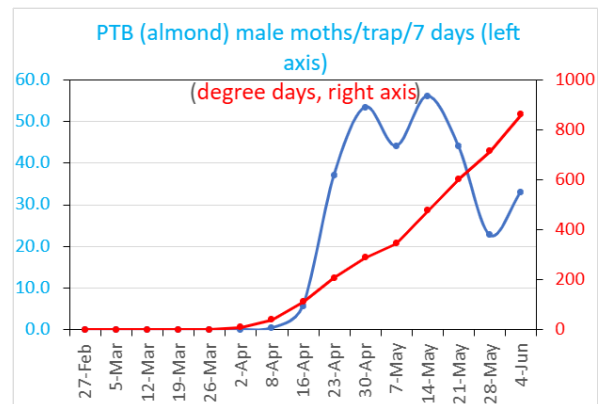
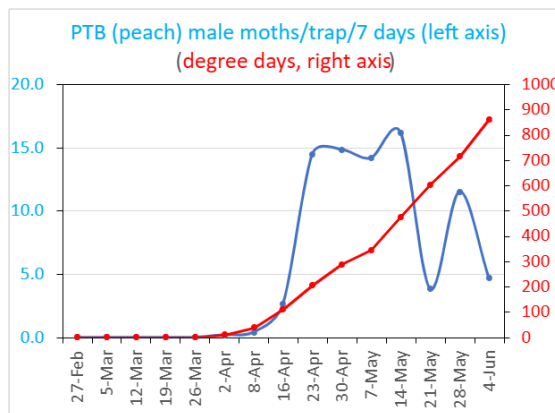
Generation Length (degree-days)			Spray Timing (degree-days)	
1st	2nd	3rd	Early generation	Later generations
920-1010	920-1010	920-1010	500-600	400-500

<https://ipm.ucanr.edu/agriculture/peach/peach-twig-borer/>

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2024 Insect monitoring

- ▶ Peach Twig Borer (PTB): 1st Biofix: 2 April



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2024 Insect monitoring

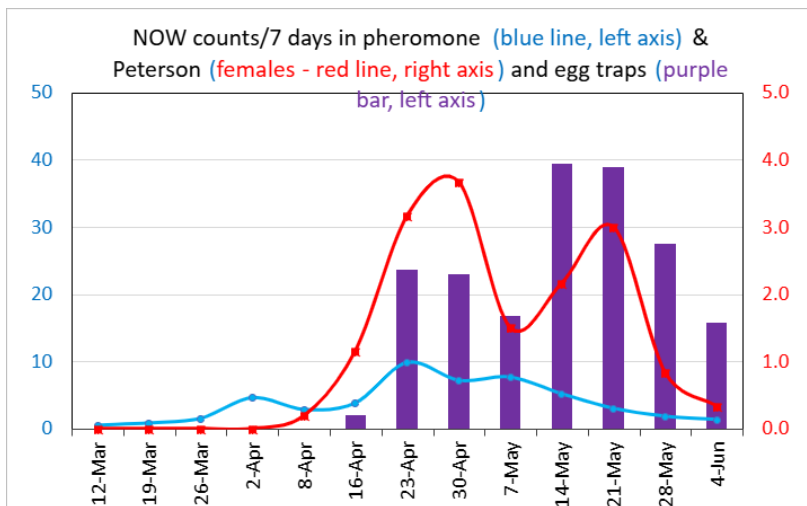
- ▶ Peach Twig Borer (PTB): Biofix 2 April
 - ▶ 1st gen. spray timing (400 - 500DD): 10-15 May
 - ▶ DD (6/4): 861

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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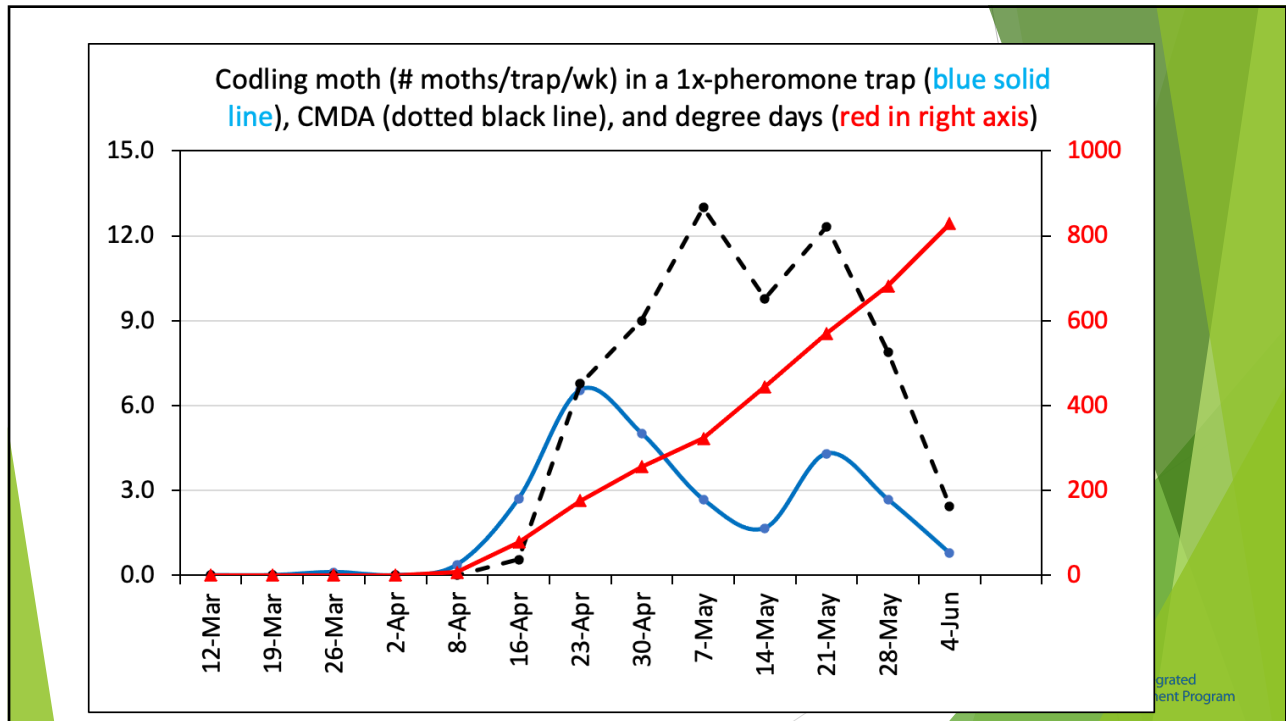
2024 Insect monitoring

- ▶ Navel Orangeworm (NOW) in almonds: Egg laying biofix: 16 April



- Projected spring spray timing (100DD): April 27
- Projected 2nd flight (1056 DD): June 27

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2024 Insect monitoring

- ▶ Codling Moth (CM): Biofix 8 April
DD accumulation (as of 6/5): 850
1st gen. spray timing:

1A flight (300 DD): 4 May

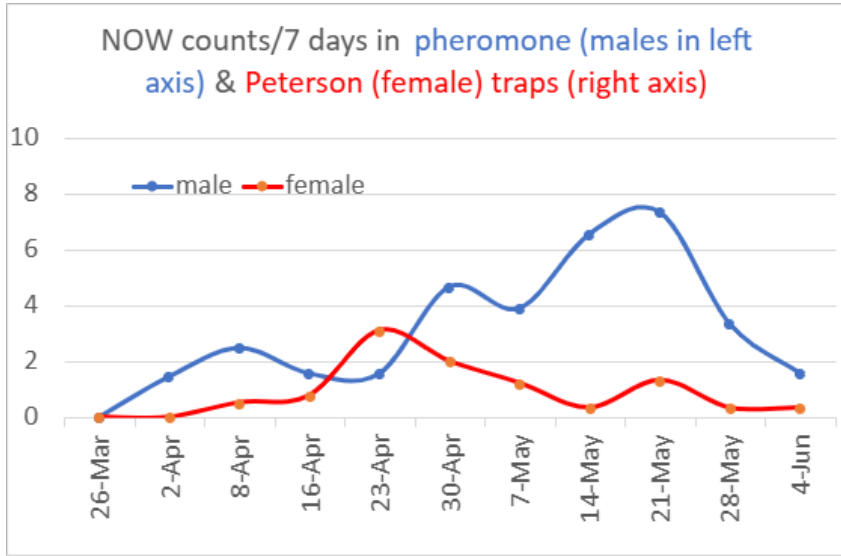
1B flight (600 - 700 DD): 23 May - 28 May

Generation Length (degree-days)			Spray Timing (degree-days)	
1st	2nd	3rd	Early generation	Later generations
1060	1100	1200	1A Peak: 300 1B Peak: 600-700	300

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2024 Insect monitoring


► Navel Orangeworm (NOW) in Walnuts



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Weather Outlook

May 2024

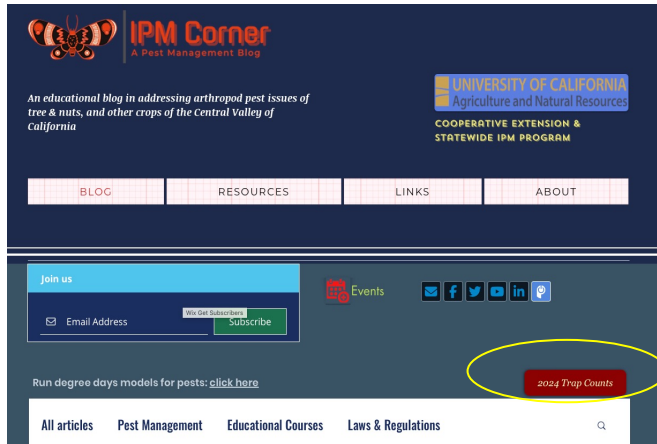


May 2024

S	M	T	W	T	F	S
28	29	30	1	2	3	4
77° 49°	77° 49°	76° 49°	79° 52°	81° 55°	81° 54°	58° 46°
5	6	7	8	9	10	11
65° 41°	72° 42°	73° 49°	79° 53°	84° 50°	89° 57°	92° 55°
12	13	14	15	16	17	18
90° 59°	86° 56°	90° 55°	89° 58°	86° 56°	82° 53°	84° 55°
19	20	21	22	23	24	25
82° 53°	82° 50°	86° 56°	85° 53°	83° 57°	75° 50°	76° 48°
26	27	28	29	30	31	1
82° 53°	86° 56°	86° 56°	84° 53°	85° 56°	85° 54°	88° 57°

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Updated information is also available in www.IPMCorner.com website as well.



Trap Counts Link:

<https://www.ipmcorner.com/trapdata>

Disclaimer/Note

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