2024 IPM Update -3 September

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Statewide Integrated Pest Management Program

Monitoring

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



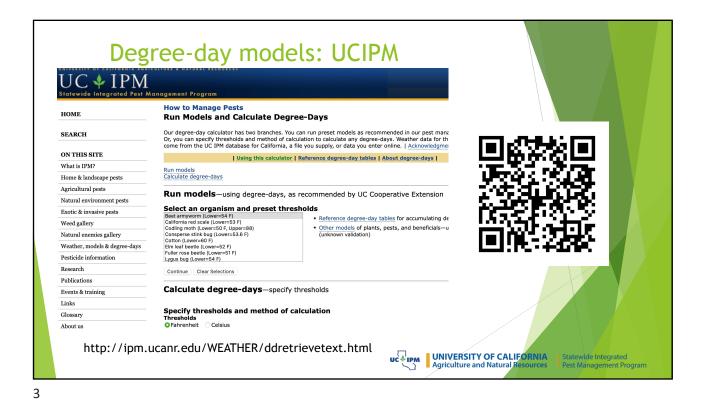
Or google "Run Degree Days UCIPM"

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"

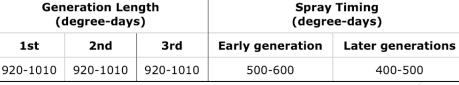


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- Oriental Fruit Moth (OFM): 1st Biofix 21 February
 - ▶ 1st biofix 21 February
 - ▶ 1st gen. spray timing (500 600DD): 12-19 April
 - ▶ 2nd gen. biofix: 14 May
 - ▶ DD accumulated (as of 7/11): 1601
 - ▶ 2nd gen spray timing (400-500): 30 May 3 June
 - ▶ 3rd gen. biofix: 18 June
 - ▶ 3rd gen spray timing (400-500): 30 June 3 July
 - ▶ 4th gen. biofix: 30 July
 - DD accumulated (as of 9/3): 1055

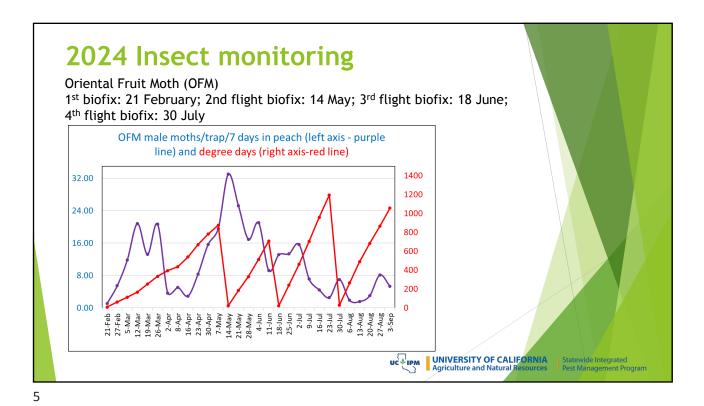






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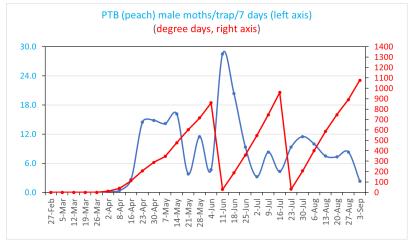
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- ▶ Peach Twig Borer (PTB):
 - ▶ 1st Biofix: 2 April
 - ▶ 1st gen. spray timing (400 500DD): 10-15 May
 - ▶ DD (1st gen, 6/11): 1050
 - ▶ 2nd gen. Biofix: 11 June
 - ▶ 2nd gen. spray timing (300-400DD): 22-26 June
 - ▶ 3rd gen. biofix: 23 July
 - > DD accumulation (as of 9/3): 1077.44

	Timing e-days)		Generation Length (degree-days)		
	Later Generations	Early Generation	3rd	2nd	1st
wide Integrated Management Program	300-400	400-500	1030	1030	1030

- ▶ Peach Twig Borer (PTB):
- ▶ 1st biofix: 2 April; 2nd biofix: 11 June; 3rd biofix: 23 July



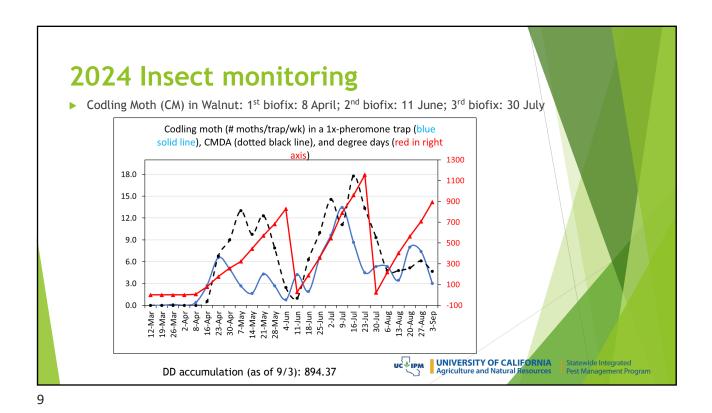
DD accumulated (3rd gen.; as of 9/3): 1077.44

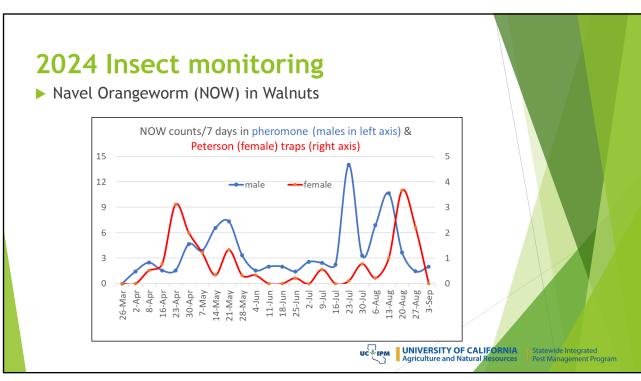
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2024 Insect monitoring

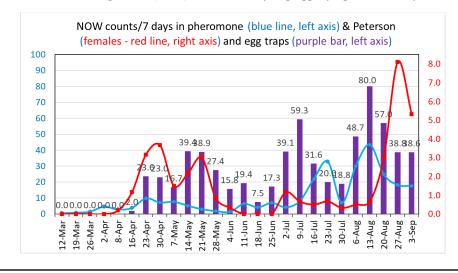
- ► Codling Moth (CM): 1st flight biofix 8 April
 - ≥1st gen. spray timing:
 - ▶ 1A flight (300 DD): 4 May
 - ▶ 1B flight (600 700 DD): 23 May 28 May
 - > 2nd gen. biofix: 11 June
 - ▶ 2nd gen. spray timing (2A timing: 300DD): 23 June
 - > 3rd gen. biofix: 30 July
 - > DD accumulation (as of 8/20): 563
 - > Treatment timing (300 DD): 9 August

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





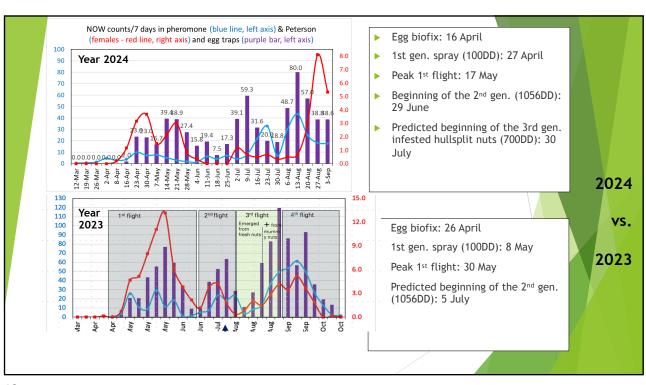
Navel Orangeworm (NOW) in almonds: Spring egg laying biofix: 16 April

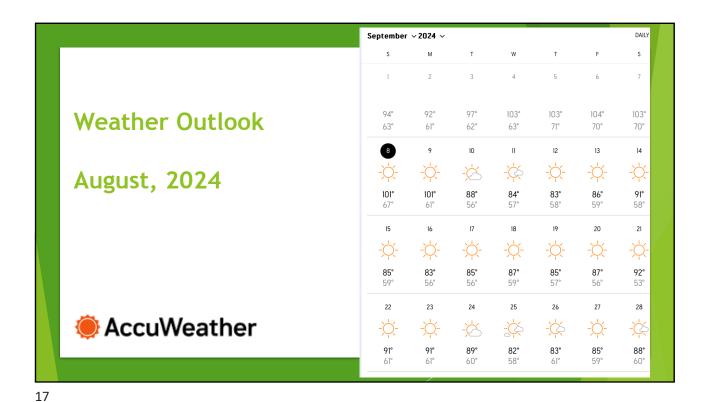




- Spring spray timing (100DD): April 27
- Projected beginning of the 2nd flight (1056 DD) was June 29
- Projected beginning of the 3rd flight (700 DD) was July 30th
- Egg laying activities of the 3rd gen. flight has increased lately (Aug. 6)

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



Disclaimer/Note

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