## Navel Orangeworm Pilot Project 2022 – Weekly Report

Week Ending – February 25, 2022

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## I. Project Updates

#### **Navel Orangeworm Sterile Insect Technique**

The Navel Orangeworm (NOW) Pilot Project (Project) utilizes NOW sterile insect technique (SIT) moths obtained from the United States Department of Agriculture (USDA) Phoenix, Arizona Rearing Facility. Quality Control (QC) tests are performed on every shipment of NOW SIT moths used for aerial releases.

The Navel Orangeworm Action Committee (NOWAC) met to discuss plans for the 2022 aerial NOW SIT season on Thursday, February 24, 2022. Aerial releases for 2022 are expected to begin on March 15, 2022, with one magazine of approximately 750,000 moths being released over Zones 1 and 3. The start date for a second magazine of approximately 750,000 moths has not been decided yet.

#### **Navel Orangeworm Trapping**

The NOW trapping program began May 5, 2020, with an Area Wide Project site that included a total of four orchards in Fresno County: two 640-acre almond orchards and two 640-acre pistachio orchards. On May 17, 2021, the Area Wide Project site expanded to include four additional orchards in Fresno County: one 640-acre almond orchard, one 640-acre pistachio orchard, one 160-acre pistachio orchard. All eight orchards, designated as Zones 1 through 8, continue to be serviced on a weekly basis. Listed below are any circumstances which prevented regular servicing in 2022:

- Week of January 7: No traps were serviced due to severe weather on site
- Week of January 14: No traps were serviced in Zones 1 4 due to staffing issues
- Week of February 25: No traps were serviced in Zone 1 due to pesticide applications on site

### II. Project Design

The NOW Area Wide Project site includes eight orchards located in Fresno County, identified as Zones 1 through 8. Listed below is information related to each orchard:

| Zone # | Crop Type | Acres | Aerial SIT Release/Non-Release | Date Added to Area Wide Project |
|--------|-----------|-------|--------------------------------|---------------------------------|
| Zone 1 | Pistachio | 640   | Release                        | May 5, 2020                     |
| Zone 2 | Pistachio | 640   | Non-Release                    | May 5, 2020                     |
| Zone 3 | Almond    | 640   | Release                        | May 5, 2020                     |
| Zone 4 | Almond    | 640   | Non-Release                    | May 5, 2020                     |
| Zone 5 | Pistachio | 640   | Release                        | May 17, 2021                    |
| Zone 6 | Pistachio | 160   | Non-Release                    | May 17, 2021                    |

| Zone 7 | Almond | 640 | Release     | May 17, 2021 |
|--------|--------|-----|-------------|--------------|
| Zone 8 | Almond | 160 | Non-Release | May 17, 2021 |

Each zone has a trap site ratio of approximately 1 trap site per 18 acres for a total of 36 trap sites for each 640-acre zone and 9 trap sites for each 160-acre zone. Trap sites include two traps: one trap baited with NOW pheromone/PPO lures and one trap baited with pistachio meal. All traps are serviced on a weekly basis. Servicing includes collecting trap bottoms and replacing with new trap bottoms. Bait/lure changes occur once a month, and trap tops are replaced as needed. Counts are performed on each trap collected to determine number of wild versus sterile captures and male versus female captures.

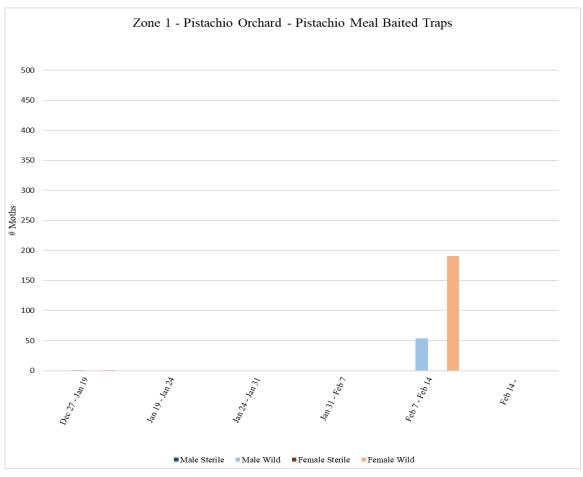
### III. Trap Results for Week Ending on February 25, 2022

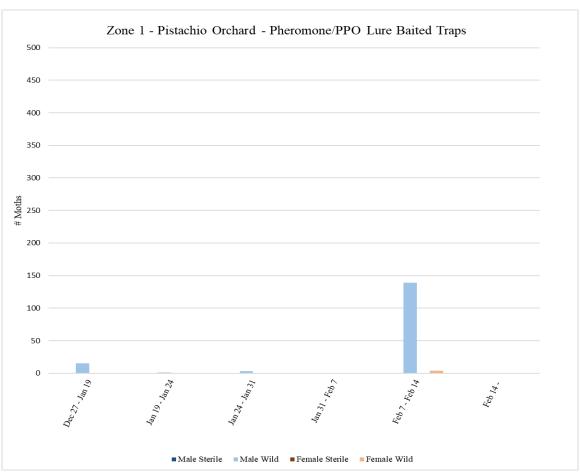
#### Zone 1

Zone 1 is a pistachio orchard where aerial NOW SIT releases will be conducted. No traps were collected from Zone 1 during the week of <u>February 25</u> due to pesticide applications on site.

|                              | Zone 1 - Pistachio  |              |            |            |                |                |        |  |  |  |  |  |
|------------------------------|---|--------------|------------|------------|----------------|----------------|--------|--|--|--|--|--|
|                              | Pistachio Meal Baited Traps   |              |            |            |                |                |        |  |  |  |  |  |
|                              | # of  |              |            |            |                |                |        |  |  |  |  |  |
|                              | Releases  |              |            |            |                |                |        |  |  |  |  |  |
| Dates Traps in               | During Trap   | Male         | Male       | Male       | Female         | Female         | Female |  |  |  |  |  |
| Field                        | Period  | Sterile      | Wild       | Total      | Sterile        | Wild           | Total  |  |  |  |  |  |
| <sup>1</sup> Dec 27 - Jan 19 | 0   | 0            | 1          | 1          | 0              | 1              | 1      |  |  |  |  |  |
| Jan 19 - Jan 24              | 0   | 0            | 0          | 0          | 0              | 0              | 0      |  |  |  |  |  |
| Jan 24 - Jan 31              | 0   | 0            | 0          | 0          | 0              | 0              | 0      |  |  |  |  |  |
| Jan 31 - Feb 7               | 0   | 0            | 0          | 0          | 0              | 0              | 0      |  |  |  |  |  |
| Feb 7 - Feb 14               | 0   | 0            | 54         | 54         | 0              | 191            | 191    |  |  |  |  |  |
| <sup>2</sup> Feb 14 -        |   |              |            |            |                |                |        |  |  |  |  |  |
|                              |   |              |            |            |                |                |        |  |  |  |  |  |
| <sup>1</sup> 18              | <sup>1</sup> 18 of the 36 traps in field since Dec 20; 18 of the 36 traps in field since Dec 27 |              |            |            |                |                |        |  |  |  |  |  |
| <sup>2</sup> Traps not       | serviced in Zon   | e 1 during t | he week of | Feb 14 due | to pesticide a | pplications or | ı site |  |  |  |  |  |

|                              |   | 70           | ne 1 - Pis | stachia    |                |                |        |  |  |  |  |
|------------------------------|---|--------------|------------|------------|----------------|----------------|--------|--|--|--|--|
|                              |   |              |            |            |                |                |        |  |  |  |  |
|                              | Pheromone/PPO Lure Baited Traps   |              |            |            |                |                |        |  |  |  |  |
|                              | # of  |              |            |            |                |                |        |  |  |  |  |
|                              | Releases  |              |            |            |                |                |        |  |  |  |  |
| Dates Traps in               | During Trap   | Male         | Male       | Male       | Female         | Female         | Female |  |  |  |  |
| Field                        | Period  | Sterile      | Wild       | Total      | Sterile        | Wild           | Total  |  |  |  |  |
| <sup>1</sup> Dec 27 - Jan 19 | 0   | 0            | 15         | 15         | 0              | 0              | 0      |  |  |  |  |
| Jan 19 - Jan 24              | 0   | 0            | 1          | 1          | 0              | 0              | 0      |  |  |  |  |
| Jan 24 - Jan 31              | 0   | 0            | 3          | 3          | 0              | 0              | 0      |  |  |  |  |
| Jan 31 - Feb 7               | 0   | 0            | 0          | 0          | 0              | 0              | 0      |  |  |  |  |
| Feb 7 - Feb 14               | 0   | 0            | 139        | 139        | 0              | 4              | 4      |  |  |  |  |
| <sup>2</sup> Feb 14 -        |   |              |            |            |                |                |        |  |  |  |  |
|                              |   |              |            |            |                |                |        |  |  |  |  |
| <sup>1</sup> 18              | <sup>1</sup> 18 of the 36 traps in field since Dec 20; 18 of the 36 traps in field since Dec 27 |              |            |            |                |                |        |  |  |  |  |
| <sup>2</sup> Traps not       | serviced in Zon   | e 1 during t | he week of | Feb 14 due | to pesticide a | pplications or | n site |  |  |  |  |

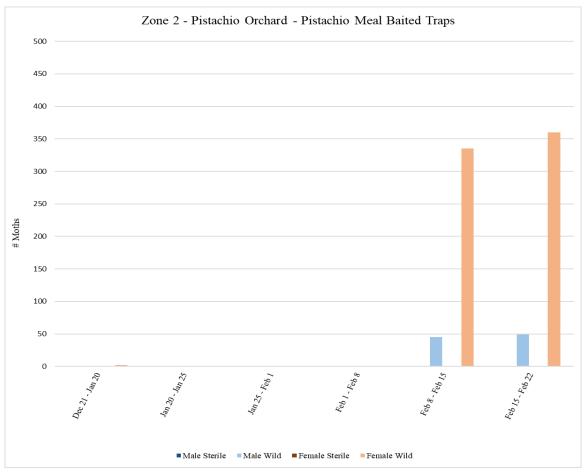


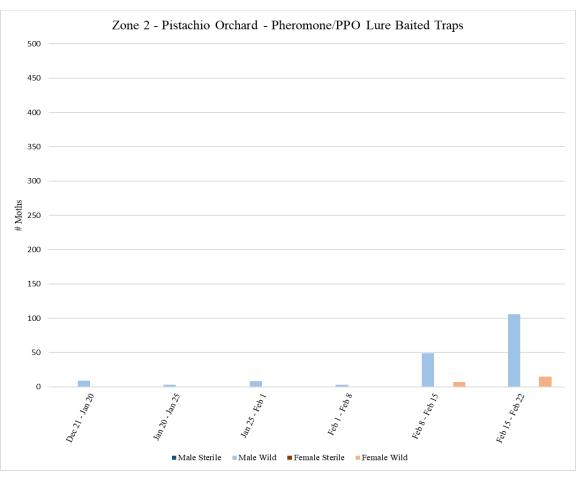


Zone 2 Zone 2 is a pistachio orchard where aerial NOW SIT releases will not be conducted. A total of **72** traps were collected from Zone 2 on <u>Tuesday</u>, <u>February 22</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

|                              | Zone 2 - Pistachio |                   |               |           |         |        |        |  |  |  |  |
|------------------------------|--------------------|-------------------|---------------|-----------|---------|--------|--------|--|--|--|--|
| Pistachio Meal Baited Traps  |                    |                   |               |           |         |        |        |  |  |  |  |
|                              | # of Releases      |                   |               |           |         |        |        |  |  |  |  |
| Dates Traps in               | During Trap        | Male              | Male          | Male      | Female  | Female | Female |  |  |  |  |
| Field                        | Period             | Sterile           | Wild          | Total     | Sterile | Wild   | Total  |  |  |  |  |
| <sup>1</sup> Dec 21 - Jan 20 | 0                  | 0                 | 0             | 0         | 0       | 2      | 2      |  |  |  |  |
| Jan 20 - Jan 25              | 0                  | 0                 | 0             | 0         | 0       | 0      | 0      |  |  |  |  |
| Jan 25 - Feb 1               | 0                  | 0                 | 0             | 0         | 0       | 0      | 0      |  |  |  |  |
| Feb 1 - Feb 8                | 0                  | 0                 | 0             | 0         | 0       | 0      | 0      |  |  |  |  |
| Feb 8 - Feb 15               | 0                  | 0                 | 45            | 45        | 0       | 335    | 335    |  |  |  |  |
| Feb 15 - Feb 22              | 0                  | 0                 | 49            | 49        | 0       | 360    | 360    |  |  |  |  |
|                              |                    |                   |               |           |         |        |        |  |  |  |  |
|                              |                    | <sup>1</sup> Trap | s in field si | nce 12/21 |         |        |        |  |  |  |  |

|                                 | Zone 2 - Pistachio           |                   |               |           |         |        |        |  |  |  |  |
|---------------------------------|------------------------------|-------------------|---------------|-----------|---------|--------|--------|--|--|--|--|
| Pheromone/PPO Lure Baited Traps |                              |                   |               |           |         |        |        |  |  |  |  |
| Dates Traps in                  | # of Releases<br>During Trap | Male              | Male          | Male      | Female  | Female | Female |  |  |  |  |
| Field                           | Period                       | Sterile           | Wild          | Total     | Sterile | Wild   | Total  |  |  |  |  |
| <sup>1</sup> Dec 21 - Jan 20    | 0                            | 0                 | 9             | 9         | 0       | 0      | 0      |  |  |  |  |
| Jan 20 - Jan 25                 | 0                            | 0                 | 3             | 3         | 0       | 0      | 0      |  |  |  |  |
| Jan 25 - Feb 1                  | 0                            | 0                 | 8             | 8         | 0       | 0      | 0      |  |  |  |  |
| Feb 1 - Feb 8                   | 0                            | 0                 | 3             | 3         | 0       | 0      | 0      |  |  |  |  |
| Feb 8 - Feb 15                  | 0                            | 0                 | 49            | 49        | 0       | 7      | 7      |  |  |  |  |
| Feb 15 - Feb 22                 | 0                            | 0                 | 106           | 106       | 0       | 15     | 15     |  |  |  |  |
|                                 |                              |                   |               |           |         |        |        |  |  |  |  |
|                                 |                              | <sup>1</sup> Trap | s in field si | nce 12/21 |         |        |        |  |  |  |  |

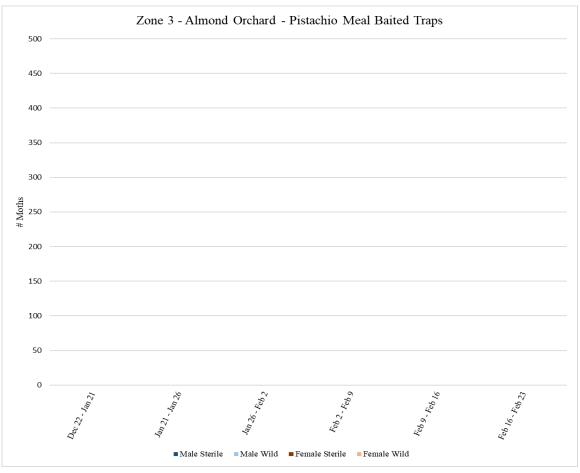


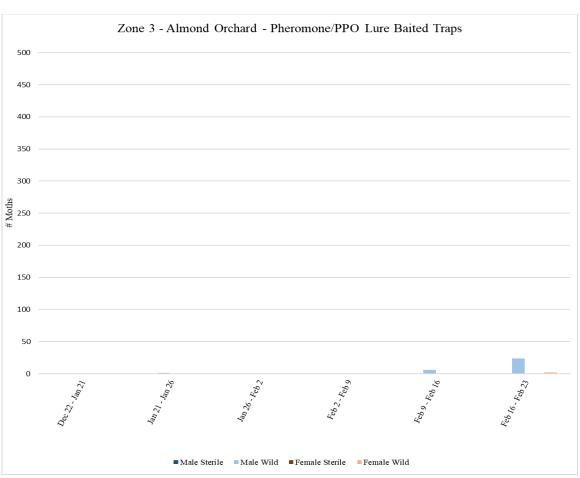


**Zone 3**Zone 3 is an almond orchard where aerial NOW SIT releases will be conducted. A total of **72** traps were collected from Zone 3 on <u>Wednesday</u>, <u>February 23</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

|                              | Zone 3 - Almond |                   |               |           |         |        |        |  |  |  |  |
|------------------------------|-----------------|-------------------|---------------|-----------|---------|--------|--------|--|--|--|--|
| Pistachio Meal Baited Traps  |                 |                   |               |           |         |        |        |  |  |  |  |
|                              | # of Releases   |                   |               |           |         |        |        |  |  |  |  |
| Dates Traps in               | During Trap     | Male              | Male          | Male      | Female  | Female | Female |  |  |  |  |
| Field                        | Period          | Sterile           | Wild          | Total     | Sterile | Wild   | Total  |  |  |  |  |
| <sup>1</sup> Dec 22 - Jan 21 | 0               | 0                 | 0             | 0         | 0       | 0      | 0      |  |  |  |  |
| Jan 21 - Jan 26              | 0               | 0                 | 0             | 0         | 0       | 0      | 0      |  |  |  |  |
| Jan 26 - Feb 2               | 0               | 0                 | 0             | 0         | 0       | 0      | 0      |  |  |  |  |
| Feb 2 - Feb 9                | 0               | 0                 | 0             | 0         | 0       | 0      | 0      |  |  |  |  |
| Feb 9 - Feb 16               | 0               | 0                 | 0             | 0         | 0       | 0      | 0      |  |  |  |  |
| Feb 16 - Feb 23              | 0               | 0                 | 0             | 0         | 0       | 0      | 0      |  |  |  |  |
|                              |                 |                   |               |           |         |        |        |  |  |  |  |
|                              | ·               | <sup>1</sup> Trap | s in field si | nce 12/22 | ·       |        |        |  |  |  |  |

|                                 |                                  | Zo                | ne 3 - Al     | mond          |                   |                |                 |  |  |
|---------------------------------|----------------------------------|-------------------|---------------|---------------|-------------------|----------------|-----------------|--|--|
| Pheromone/PPO Lure Baited Traps |                                  |                   |               |               |                   |                |                 |  |  |
| Dates Traps in<br>Field         | # of Releases During Trap Period | Male<br>Sterile   | Male<br>Wild  | Male<br>Total | Female<br>Sterile | Female<br>Wild | Female<br>Total |  |  |
| <sup>1</sup> Dec 22 - Jan 21    | 0                                | 0                 | 0             | 0             | 0                 | 0              | 0               |  |  |
| Jan 21 - Jan 26                 | 0                                | 0                 | 1             | 1             | 0                 | 0              | 0               |  |  |
| Jan 26 - Feb 2                  | 0                                | 0                 | 0             | 0             | 0                 | 0              | 0               |  |  |
| Feb 2 - Feb 9                   | 0                                | 0                 | 0             | 0             | 0                 | 0              | 0               |  |  |
| Feb 9 - Feb 16                  | 0                                | 0                 | 6             | 6             | 0                 | 0              | 0               |  |  |
| Feb 16 - Feb 23                 | 0                                | 0                 | 24            | 24            | 0                 | 2              | 2               |  |  |
|                                 |                                  | <sup>1</sup> Trap | s in field si | nce 12/22     |                   |                |                 |  |  |

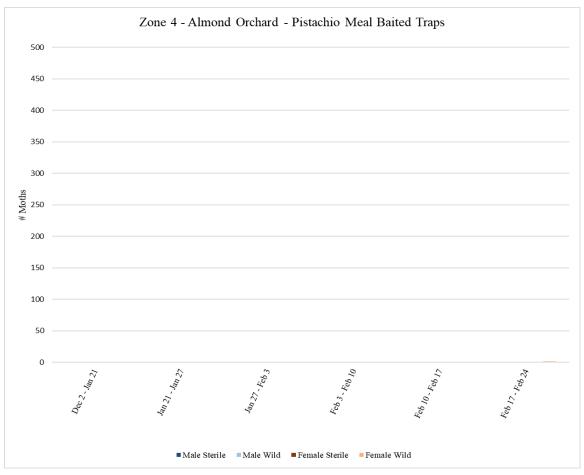


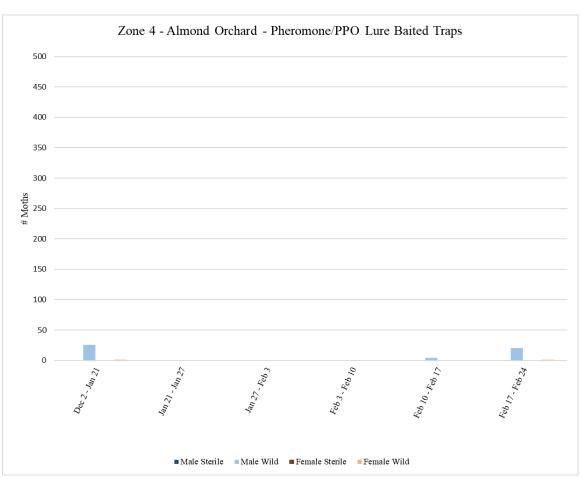


**Zone 4**Zone 4 is an almond orchard where aerial NOW SIT releases will not be conducted. A total of **72** traps were collected from Zone 4 on <u>Thursday</u>, <u>February 24</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

|                             | Zone 4 - Almond             |                   |               |           |         |        |        |  |  |  |  |
|-----------------------------|-----------------------------|-------------------|---------------|-----------|---------|--------|--------|--|--|--|--|
|                             | Pistachio Meal Baited Traps |                   |               |           |         |        |        |  |  |  |  |
|                             | # of Releases               |                   |               |           |         |        |        |  |  |  |  |
| Dates Traps in              | During Trap                 | Male              | Male          | Male      | Female  | Female | Female |  |  |  |  |
| Field                       | Period                      | Sterile           | Wild          | Total     | Sterile | Wild   | Total  |  |  |  |  |
| <sup>1</sup> Dec 2 - Jan 21 | 0                           | 0                 | 0             | 0         | 0       | 0      | 0      |  |  |  |  |
| Jan 21 - Jan 27             | 0                           | 0                 | 0             | 0         | 0       | 0      | 0      |  |  |  |  |
| Jan 27 - Feb 3              | 0                           | 0                 | 0             | 0         | 0       | 0      | 0      |  |  |  |  |
| Feb 3 - Feb 10              | 0                           | 0                 | 0             | 0         | 0       | 0      | 0      |  |  |  |  |
| Feb 10 - Feb 17             | 0                           | 0                 | 0             | 0         | 0       | 0      | 0      |  |  |  |  |
| Feb 17 - Feb 24             | 0                           | 0                 | 0             | 0         | 0       | 2      | 2      |  |  |  |  |
|                             |                             |                   |               |           |         |        |        |  |  |  |  |
|                             | ·                           | <sup>1</sup> Trap | os in field s | ince 12/2 |         |        |        |  |  |  |  |

|                                 | Zone 4 - Almond |                   |               |           |         |        |        |  |  |  |  |
|---------------------------------|-----------------|-------------------|---------------|-----------|---------|--------|--------|--|--|--|--|
| Pheromone/PPO Lure Baited Traps |                 |                   |               |           |         |        |        |  |  |  |  |
|                                 | # of Releases   |                   |               |           |         |        |        |  |  |  |  |
| Dates Traps in                  | During Trap     | Male              | Male          | Male      | Female  | Female | Female |  |  |  |  |
| Field                           | Period          | Sterile           | Wild          | Total     | Sterile | Wild   | Total  |  |  |  |  |
| <sup>1</sup> Dec 2 - Jan 21     | 0               | 0                 | 26            | 26        | 0       | 1      | 1      |  |  |  |  |
| Jan 21 - Jan 27                 | 0               | 0                 | 0             | 0         | 0       | 0      | 0      |  |  |  |  |
| Jan 27 - Feb 3                  | 0               | 0                 | 0             | 0         | 0       | 0      | 0      |  |  |  |  |
| Feb 3 - Feb 10                  | 0               | 0                 | 0             | 0         | 0       | 0      | 0      |  |  |  |  |
| Feb 10 - Feb 17                 | 0               | 0                 | 4             | 4         | 0       | 0      | 0      |  |  |  |  |
| Feb 17 - Feb 24                 | 0               | 0                 | 20            | 20        | 0       | 1      | 1      |  |  |  |  |
|                                 |                 |                   |               |           |         |        |        |  |  |  |  |
|                                 |                 | <sup>1</sup> Trap | os in field s | ince 12/2 |         |        |        |  |  |  |  |



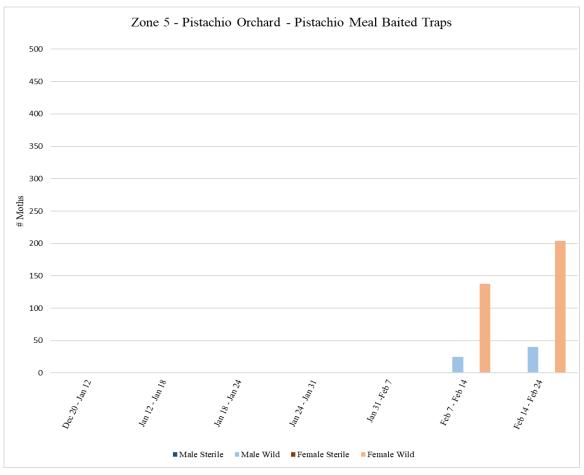


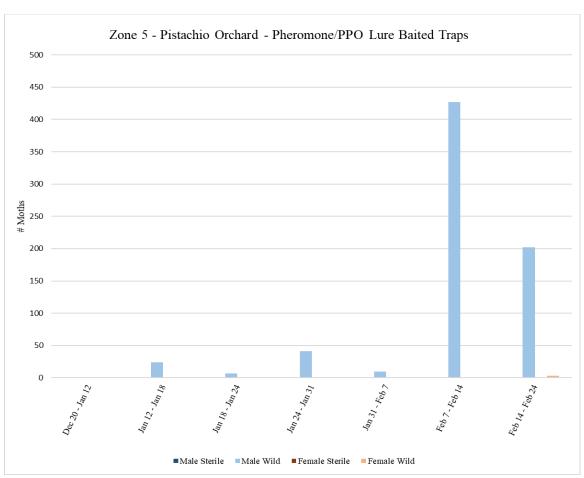
# Zone 5

Zone 5 is a pistachio orchard where aerial NOW SIT releases will be conducted. A total of **70** traps were collected from Zone 5 on <u>Thursday</u>, <u>February 24</u>, with **34** pistachio meal baited traps and **36** pheromone/PPO lure traps. Two of the meal traps were missing this week.

|                              | Zone 5 - Pistachio          |                   |               |           |         |        |        |  |  |  |  |  |
|------------------------------|-----------------------------|-------------------|---------------|-----------|---------|--------|--------|--|--|--|--|--|
|                              | Pistachio Meal Baited Traps |                   |               |           |         |        |        |  |  |  |  |  |
|                              | # of                        |                   |               |           |         |        |        |  |  |  |  |  |
|                              | Releases                    |                   |               |           |         |        |        |  |  |  |  |  |
| Dates Traps in               | During Trap                 | Male              | Male          | Male      | Female  | Female | Female |  |  |  |  |  |
| Field                        | Period                      | Sterile           | Wild          | Total     | Sterile | Wild   | Total  |  |  |  |  |  |
| <sup>1</sup> Dec 20 - Jan 12 | 0                           | 0                 | 0             | 0         | 0       | 0      | 0      |  |  |  |  |  |
| Jan 12 - Jan 18              | 0                           | 0                 | 0             | 0         | 0       | 0      | 0      |  |  |  |  |  |
| Jan 18 - Jan 24              | 0                           | 0                 | 0             | 0         | 0       | 0      | 0      |  |  |  |  |  |
| Jan 24 - Jan 31              | 0                           | 0                 | 1             | 1         | 0       | 0      | 0      |  |  |  |  |  |
| Jan 31 -Feb 7                | 0                           | 0                 | 0             | 0         | 0       | 0      | 0      |  |  |  |  |  |
| Feb 7 - Feb 14               | 0                           | 0                 | 25            | 25        | 0       | 138    | 138    |  |  |  |  |  |
| Feb 14 - Feb 24              | 0                           | 0                 | 40            | 40        | 0       | 204    | 204    |  |  |  |  |  |
|                              |                             |                   |               |           |         |        |        |  |  |  |  |  |
|                              |                             | <sup>1</sup> Trap | s in field si | nce 12/20 |         |        |        |  |  |  |  |  |

|                              | Zone 5 - Pistachio |                   |               |              |         |        |        |  |  |  |  |
|------------------------------|--------------------|-------------------|---------------|--------------|---------|--------|--------|--|--|--|--|
|                              |                    | Pheromor          | ne/PPO Lur    | e Baited Tra | aps     |        |        |  |  |  |  |
|                              | # of               |                   |               |              |         |        |        |  |  |  |  |
|                              | Releases           |                   |               |              |         |        |        |  |  |  |  |
| Dates Traps in               | During Trap        | Male              | Male          | Male         | Female  | Female | Female |  |  |  |  |
| Field                        | Period             | Sterile           | Wild          | Total        | Sterile | Wild   | Total  |  |  |  |  |
| <sup>1</sup> Dec 20 - Jan 12 | 0                  | 0                 | 0             | 0            | 0       | 0      | 0      |  |  |  |  |
| Jan 12 - Jan 18              | 0                  | 0                 | 24            | 24           | 0       | 0      | 0      |  |  |  |  |
| Jan 18 - Jan 24              | 0                  | 0                 | 7             | 7            | 0       | 0      | 0      |  |  |  |  |
| Jan 24 - Jan 31              | 0                  | 0                 | 41            | 41           | 0       | 0      | 0      |  |  |  |  |
| Jan 31 - Feb 7               | 0                  | 0                 | 10            | 10           | 0       | 0      | 0      |  |  |  |  |
| Feb 7 - Feb 14               | 0                  | 0                 | 427           | 427          | 0       | 1      | 1      |  |  |  |  |
| Feb 14 - Feb 24              | 0                  | 0                 | 202           | 202          | 0       | 3      | 3      |  |  |  |  |
|                              |                    |                   |               |              |         |        |        |  |  |  |  |
|                              |                    | <sup>1</sup> Trap | s in field si | nce 12/20    |         |        |        |  |  |  |  |

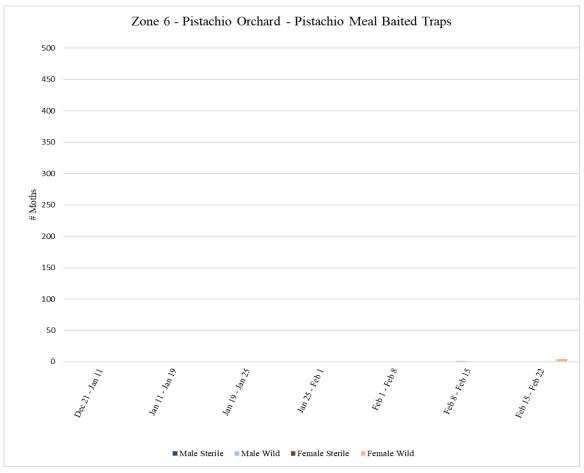


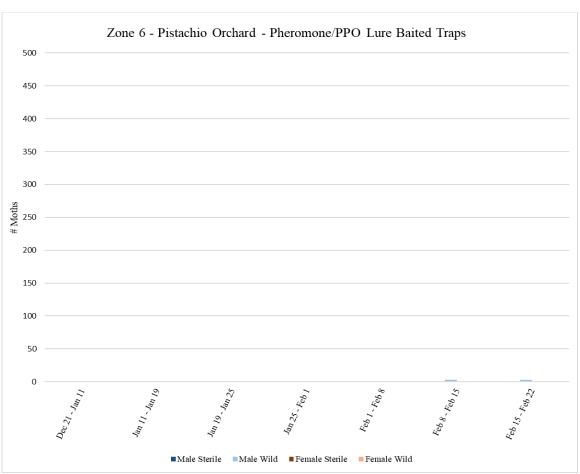


**Zone 6**Zone 6 is a pistachio orchard where aerial NOW SIT releases will not be conducted. A total of **18** traps were collected from Zone 6 on <u>Tuesday</u>, <u>February 22</u>, with **9** pistachio meal baited traps and **9** pheromone/PPO lure traps.

| Zone 6 - Pistachio                      |             |         |      |       |         |        |        |  |  |
|---|-------------|---------|------|-------|---------|--------|--------|--|--|
| Pistachio Meal Baited Traps             |             |         |      |       |         |        |        |  |  |
|   | # of        |         |      |       |         |        |        |  |  |
|   | Releases    |         |      |       |         |        |        |  |  |
| Dates Traps in                          | During Trap | Male    | Male | Male  | Female  | Female | Female |  |  |
| Field                                   | Period      | Sterile | Wild | Total | Sterile | Wild   | Total  |  |  |
| <sup>1</sup> Dec 21 - Jan 11            | 0           | 0       | 0    | 0     | 0       | 0      | 0      |  |  |
| Jan 11 - Jan 19                         | 0           | 0       | 0    | 0     | 0       | 0      | 0      |  |  |
| Jan 19 - Jan 25                         | 0           | 0       | 0    | 0     | 0       | 0      | 0      |  |  |
| Jan 25 - Feb 1                          | 0           | 0       | 0    | 0     | 0       | 0      | 0      |  |  |
| Feb 1 - Feb 8                           | 0           | 0       | 0    | 0     | 0       | 0      | 0      |  |  |
| Feb 8 - Feb 15                          | 0           | 0       | 1    | 1     | 0       | 0      | 0      |  |  |
| Feb 15 - Feb 22                         | 0           | 0       | 0    | 0     | 0       | 4      | 4      |  |  |
|   |             |         |      |       |         |        |        |  |  |
| <sup>1</sup> Traps in field since 12/21 |             |         |      |       |         |        |        |  |  |

| Zone 6 - Pistachio                      |                                 |         |      |       |         |        |        |  |  |
|---|---------------------------------|---------|------|-------|---------|--------|--------|--|--|
| Pheromone/PPO Lure Baited Traps         |                                 |         |      |       |         |        |        |  |  |
| Dates Traps in                          | # of<br>Releases<br>During Trap | Male    | Male | Male  | Female  | Female | Female |  |  |
| Field                                   | Period                          | Sterile | Wild | Total | Sterile | Wild   | Total  |  |  |
| <sup>1</sup> Dec 21 - Jan 11            | 0                               | 0       | 0    | 0     | 0       | 0      | 0      |  |  |
| Jan 11 - Jan 19                         | 0                               | 0       | 1    | 1     | 0       | 0      | 0      |  |  |
| Jan 19 - Jan 25                         | 0                               | 0       | 0    | 0     | 0       | 0      | 0      |  |  |
| Jan 25 - Feb 1                          | 0                               | 0       | 0    | 0     | 0       | 0      | 0      |  |  |
| Feb 1 - Feb 8                           | 0                               | 0       | 0    | 0     | 0       | 0      | 0      |  |  |
| Feb 8 - Feb 15                          | 0                               | 0       | 3    | 3     | 0       | 0      | 0      |  |  |
| Feb 15 - Feb 22                         | 0                               | 0       | 3    | 3     | 0       | 0      | 0      |  |  |
| <sup>1</sup> Traps in field since 12/21 |                                 |         |      |       |         |        |        |  |  |

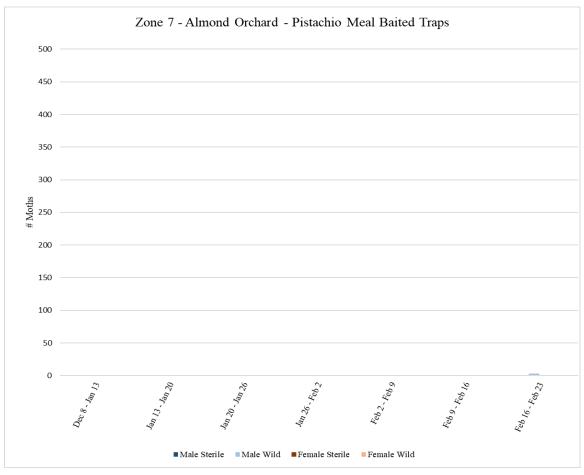


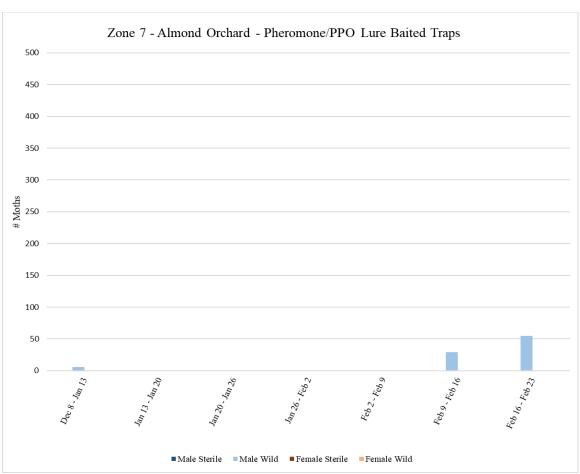


**Zone 7**Zone 7 is an almond orchard where aerial NOW SIT releases will be conducted. A total of **72** traps were collected from Zone 7 on <u>Wednesday</u>, <u>February 23</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

| Zone 7 - Almond                        |             |         |      |       |         |        |        |  |  |
|--|-------------|---------|------|-------|---------|--------|--------|--|--|
| Pistachio Meal Baited Traps            |             |         |      |       |         |        |        |  |  |
|  | # of        |         |      |       |         |        |        |  |  |
|  | Releases    |         |      |       |         |        |        |  |  |
| Dates Traps in                         | During Trap | Male    | Male | Male  | Female  | Female | Female |  |  |
| Field                                  | Period      | Sterile | Wild | Total | Sterile | Wild   | Total  |  |  |
| <sup>1</sup> Dec 8 - Jan 13            | 0           | 0       | 0    | 0     | 0       | 0      | 0      |  |  |
| Jan 13 - Jan 20                        | 0           | 0       | 0    | 0     | 0       | 0      | 0      |  |  |
| Jan 20 - Jan 26                        | 0           | 0       | 0    | 0     | 0       | 0      | 0      |  |  |
| Jan 26 - Feb 2                         | 0           | 0       | 0    | 0     | 0       | 0      | 0      |  |  |
| Feb 2 - Feb 9                          | 0           | 0       | 0    | 0     | 0       | 0      | 0      |  |  |
| Feb 9 - Feb 16                         | 0           | 0       | 0    | 0     | 0       | 0      | 0      |  |  |
| Feb 16 - Feb 23                        | 0           | 0       | 3    | 3     | 0       | 1      | 1      |  |  |
|  |             |         |      |       |         |        |        |  |  |
| <sup>1</sup> Traps in field since 12/8 |             |         |      |       |         |        |        |  |  |

| Zone 7 - Almond                        |   |                 |              |               |                   |                |                 |  |  |
|--|---|-----------------|--------------|---------------|-------------------|----------------|-----------------|--|--|
| Pheromone/PPO Lure Baited Traps        |   |                 |              |               |                   |                |                 |  |  |
| Dates Traps in Field                   | # of<br>Releases<br>During Trap<br>Period | Male<br>Sterile | Male<br>Wild | Male<br>Total | Female<br>Sterile | Female<br>Wild | Female<br>Total |  |  |
| <sup>1</sup> Dec 8 - Jan 13            | 0   | 0               | 6            | 6             | 0                 | O              | 0               |  |  |
| Jan 13 - Jan 20                        | 0   | 0               | 0            | 0             | 0                 | 0              | 0               |  |  |
| Jan 20 - Jan 26                        | 0   | 0               | 0            | 0             | 0                 | 0              | 0               |  |  |
| Jan 26 - Feb 2                         | 0   | 0               | 0            | 0             | 0                 | 0              | 0               |  |  |
| Feb 2 - Feb 9                          | 0   | 0               | 0            | 0             | 0                 | 0              | 0               |  |  |
| Feb 9 - Feb 16                         | 0   | 0               | 29           | 29            | 0                 | 0              | 0               |  |  |
| Feb 16 - Feb 23                        | 0   | 0               | 55           | 55            | 0                 | 0              | 0               |  |  |
| <sup>1</sup> Traps in field since 12/8 |   |                 |              |               |                   |                |                 |  |  |





**Zone 8**Zone 8 is an almond orchard where aerial NOW SIT releases will not be conducted. A total of **18** traps were collected from Zone 8 on <u>Tuesday</u>, <u>February 22</u>, with **9** pistachio meal baited traps and **9** pheromone/PPO lure traps.

| Zone 8 - Almond                         |             |         |      |       |         |        |        |  |  |
|---|-------------|---------|------|-------|---------|--------|--------|--|--|
| Pistachio Meal Baited Traps             |             |         |      |       |         |        |        |  |  |
|   | # of        |         |      |       |         |        |        |  |  |
|   | Releases    |         |      |       |         |        |        |  |  |
| Dates Traps in                          | During Trap | Male    | Male | Male  | Female  | Female | Female |  |  |
| Field                                   | Period      | Sterile | Wild | Total | Sterile | Wild   | Total  |  |  |
| <sup>1</sup> Dec 21 - Jan 11            | 0           | 0       | 0    | 0     | 0       | 0      | 0      |  |  |
| Jan 11 - Jan 19                         | 0           | 0       | 0    | 0     | 0       | 0      | 0      |  |  |
| Jan 19 - Jan 25                         | 0           | 0       | 0    | 0     | 0       | 0      | 0      |  |  |
| Jan 25 - Feb 1                          | 0           | 0       | 0    | 0     | 0       | 0      | 0      |  |  |
| Feb 1 - Feb 8                           | 0           | 0       | 0    | 0     | 0       | 0      | 0      |  |  |
| Feb 8 - Feb 15                          | 0           | 0       | 0    | 0     | 0       | 0      | 0      |  |  |
| Feb 15 - Feb 22                         | 0           | 0       | 1    | 1     | 0       | 0      | 0      |  |  |
|   |             |         |      |       |         |        |        |  |  |
| <sup>1</sup> Traps in field since 12/21 |             |         |      |       |         |        |        |  |  |

| Zone 8 - Almond                         |                                 |         |      |       |         |        |        |  |  |
|---|---------------------------------|---------|------|-------|---------|--------|--------|--|--|
| Pheromone/PPO Lure Baited Traps         |                                 |         |      |       |         |        |        |  |  |
| Dates Traps in                          | # of<br>Releases<br>During Trap | Male    | Male | Male  | Female  | Female | Female |  |  |
| Field                                   | Period                          | Sterile | Wild | Total | Sterile | Wild   | Total  |  |  |
| <sup>1</sup> Dec 21 - Jan 11            | 0                               | 0       | 0    | 0     | 0       | 0      | 0      |  |  |
| Jan 11 - Jan 19                         | 0                               | 0       | 0    | 0     | 0       | 0      | 0      |  |  |
| Jan 19 - Jan 25                         | 0                               | 0       | 0    | 0     | 0       | 0      | 0      |  |  |
| Jan 25 - Feb 1                          | 0                               | 0       | 0    | 0     | 0       | 0      | 0      |  |  |
| Feb 1 - Feb 8                           | 0                               | 0       | 0    | 0     | 0       | 0      | 0      |  |  |
| Feb 8 - Feb 15                          | 0                               | 0       | 2    | 2     | 0       | 1      | 1      |  |  |
| Feb 15 - Feb 22                         | 0                               | 0       | 19   | 19    | 0       | 0      | 0      |  |  |
| <sup>1</sup> Traps in field since 12/21 |                                 |         |      |       |         |        |        |  |  |

