California Department of Food & Agriculture Plant Health and Pest Prevention Services Integrated Pest Control Branch 5100 Douglas Avenue Shafter, CA 93263 Phone: (661) 395-2914 Fax: (661) 399-1601

# 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 2021 aerial NOW SIT releases began Wednesday, March 10, with one magazine released per day, 7 days per week. This magazine, identified as "Mag 1," was released over the 2020 Area Wide Project site acreage.

On May 17, 2021, CDFA deployed traps to an additional approximately 1,600 acres of pistachio and almond orchards; expanding the Area Wide Project site acreage. As of June 16, 2021, a second magazine was released daily. This second magazine, identified as "Mag 2," was released over 1,280 acres of the new acreage added to the Area Wide Project site, five times per week, Friday through Tuesday. Beginning on Thursday, June 24, Mag 2 was released over separate sites every Wednesday and Thursday for research purposes.

The 2021 aerial NOW SIT releases concluded on October 16, 2021, with the final two magazines being released. Aerial releases are expected to begin again sometime in early 2022. The Navel Orangeworm Action Committee (NOWAC) will meet to discuss plans for the 2022 aerial NOW SIT season. When a date has been finalized, it will be included in this report.

Listed below are any circumstances which prevented regular aerial releases in 2021:

- <u>Monday, March 15:</u> no aerial release conducted due to severe weather conditions; magazine held an extra night in the cold room to be released the following day
- <u>Tuesday, March 16:</u> today's magazine and magazine from previous day released
- <u>Saturday, May 29:</u> no magazines shipped due to airline schedule change
- <u>Sunday, May 30:</u> no aerial release conducted
- <u>Sunday</u>, July 4: no magazines shipped due to airline schedule during holiday
- Monday, July 5: no aerial releases conducted
- <u>Sunday</u>, July 11: no aerial release conducted for Mag 2 due to release aircraft issues
- <u>Monday, July 12:</u> no aerial release conducted due to ongoing release aircraft issues; moths from previous day's Mag 2 destroyed

- <u>Tuesday, July 13:</u> Mag 1 and Mag 2 from previous day released over Area Wide Project Site Zones 1 & 3 and Zones 5 & 7, respectively
- <u>Wednesday, July 14</u>: no magazines shipped due to airline misplacing moth shipments; Mag 1 and Mag 2 from previous day released over Area Wide Project Site Zones 1 & 3 and Zones 5 & 7, respectively; Mag 1 from today released over research sites; Mag 2 from today released over Area Wide Project Site Zones 5 & 7
- <u>Thursday, July 15</u>: no aerial releases conducted
- <u>Tuesday, August 10:</u> no aerial release conducted for Mag 2 due to release aircraft issues; moths from Mag 2 destroyed
- <u>Wednesday, August 11:</u> there was a delay in takeoff time due to release aircraft issues. Mag 2 was eventually released, as normal, over the research sites; no aerial release conducted for Mag 1. Mag 1 was held an extra night in the cold room to be released the following day
- <u>Thursday, August 12:</u> Mag 1 from the previous day was released over Area Wide Project Site Zones 1 & 3; today's Mag 2 was released over research sites. Today's Mag 1 was held an extra night in the cold room to be released the following day
- <u>Friday, August 13:</u> Mag 1 from previous day was released over Area Wide Project Site Zones 1 & 3; today's Mag 2 was released over Area Wide Project Site Zones 5 & 7. The moths from today's Mag 1 were destroyed.
- <u>Sunday, August 22:</u> no magazines shipped due to shortage of shipping supplies
- Monday, August 23: no aerial releases conducted due to ongoing shortage of shipping supplies
- <u>Tuesday</u>, <u>August 24</u>: no aerial releases conducted due to ongoing shortage of shipping supplies
- <u>Saturday</u>, <u>September 11 Thursday</u>, <u>September 16</u>: no aerial releases conducted due to staffing issues
- <u>Saturday, September 18</u>: no magazines shipped due to airline cancelation of flight
- <u>Sunday, September 19</u>: no aerial releases conducted
- <u>Saturday, September 25</u>: no magazines shipped due to airline cancelation of flight
- <u>Sunday, September 26</u>: no aerial releases conducted
- <u>Saturday, October 2</u>: no magazines shipped due to airline cancelation of flight
- <u>Sunday, October 3</u>: no aerial releases conducted

#### **Navel Orangeworm Trapping**

The NOW trapping program began May 5, 2020, with all traps being serviced on a weekly basis. This trapping schedule has continued into 2021 using the previous year's Area Wide Project site containing four 640-acre orchards; two almond and two pistachio, located in Fresno County. The 2021 NOW Area Wide Project site includes the previous year's four zones and, as of May 17, 2021, it includes an additional four zones, designated as Zones 5 through 8. As with Zones 1-4, all traps in Zones 5-8 are serviced on a weekly basis. Listed below are any circumstances which prevented regular servicing in 2021:

• <u>Week of January 29</u>: Zones 1, 3, and 4 not serviced due to severe weather; only 40 of the 72 traps in Zone 2

were able to be serviced

- <u>Week of February 5:</u> Only 32 of the 72 traps in Zone 2 were able to be serviced due to poor field conditions from the severe weather during the previous week
- <u>Week of March 12:</u> Zone 4 not serviced due to severe weather
- <u>Week of March 26:</u> Zone 4 not serviced due to pesticide application on site
- <u>Week of April 30:</u> Zone 2 not serviced due to pesticide application on site
- <u>Week of June 4:</u> Zone 3 not serviced due to pesticide application on site
- <u>Week of July 9:</u> Zone 3 not serviced due to branch-wide all staff meeting
- <u>Week of July 30:</u> Zone 3 not serviced due to pesticide application on site
- <u>Week of August 20:</u> 16 of the 72 traps in Zone 3 not serviced due to ongoing harvest operations
- <u>Week of September 3:</u> Zone 5 not serviced due to ongoing harvest operations
- <u>Week of September 10:</u> Zone 3 not serviced due to staffing issues
- <u>Week of September 17:</u> Only 32 of the 72 traps in Zone 2 serviced due to ongoing harvest operations
- <u>Week of September 24</u>: Zones 3, 4, and 7 not serviced due to staffing issues; only 12 of the 72 traps in Zone 5 serviced due to staffing issues
- <u>Week of October 1:</u> Zones 1, 2, 3, and 4 not serviced due to staffing issues
- <u>Week of October 29:</u> No traps were serviced due to severe weather
- <u>Week of November 19:</u> Only 48 of the 72 traps in Zone 3 were serviced due to pesticide application on site; only 40 of the 72 traps in Zone 4 were serviced due to trapping equipment issues
- <u>Week of November 26:</u> No traps were serviced in Zone 4 due to state holiday
- <u>Week of December 10:</u> No traps were serviced in Zone 4 due to severe weather
- <u>Week of December 17:</u> No traps were serviced in Zones 2, 3, 4, 5, 6, 7, and 8 due to severe weather
- <u>Week of December 24:</u> No traps were serviced in Zones 4 and 7 due to severe weather

# II. Project Design

The NOW Area Wide Project site includes four 640-acre orchards located in Fresno County and identified as Zone 1, Zone 2, Zone 3, and Zone 4, where trapping and SIT operations have been underway since May 2020.

| Zone # | Crop Type | Acres | Aerial SIT Release/Non-Release |
|--------|-----------|-------|--------------------------------|
| Zone 1 | Pistachio | 640   | Release                        |
| Zone 2 | Pistachio | 640   | Non-Release                    |
| Zone 3 | Almond    | 640   | Release                        |
| Zone 4 | Almond    | 640   | Non-Release                    |

As of May 17, 2021, the NOW Area Wide Project site has expanded to include two more 640-acre orchards and two 160-acre orchards located in Fresno County. These orchards are identified as Zone 5, Zone 6, Zone 7, and Zone 8.

| Zone # | Crop Type | Acres | Aerial SIT Release/Non-Release |
|--------|-----------|-------|--------------------------------|
| Zone 5 | Pistachio | 640   | Release                        |
| Zone 6 | Pistachio | 160   | Non-Release                    |
| Zone 7 | Almond    | 640   | Release                        |
| Zone 8 | Almond    | 160   | Non-Release                    |

Each zone has a trap site ratio of approximately 1 trap site per 18 acres for a total of 36 trap sites for each 640acre 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.

# III. Trap Results for <u>Weeks Ending November 12 through December 24, 2021</u>

#### Zone 1

Zone 1 is a pistachio orchard where aerial NOW SIT releases were conducted. A total of **72** traps were collected from Zone 1 on <u>Monday</u>, <u>November 8</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

A total of **72** traps were collected from Zone 1 on <u>Monday, November 15</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

A total of **72** traps were collected from Zone 1 on <u>Monday, November 22</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

A total of **72** traps were collected from Zone 1 on <u>Monday, November 29</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

A total of **72** traps were collected from Zone 1 on <u>Monday</u>, <u>December 6</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

A total of **72** traps were collected from Zone 1 on <u>Monday</u>, <u>December 13</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

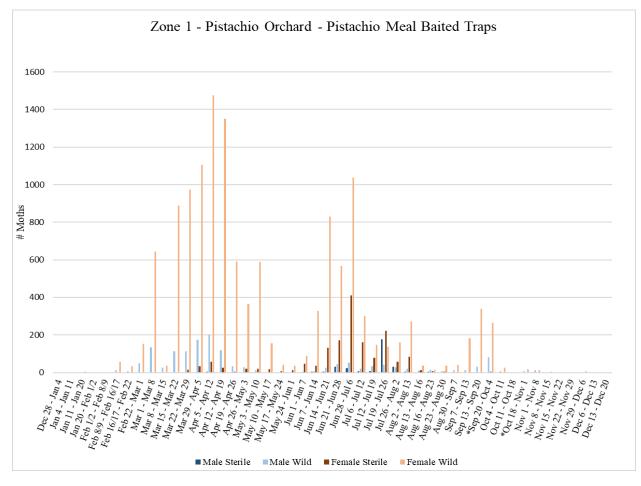
A total of **72** traps were collected from Zone 1 on <u>Monday</u>, <u>December 20</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

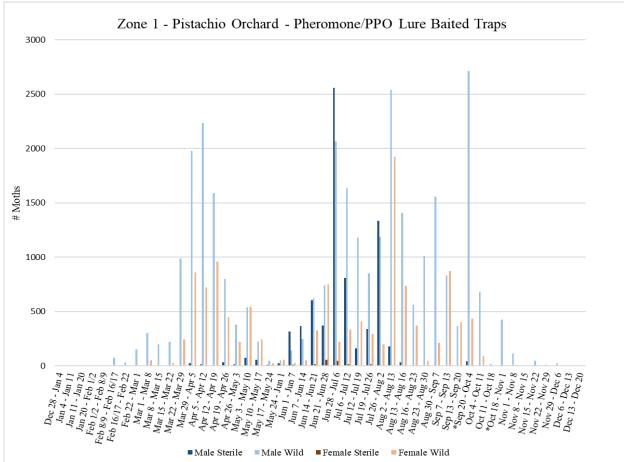
|                                  | Zone 1 - Pistachio |         |      |       |         |        |              |  |  |  |  |
|----------------------------------|--------------------|---------|------|-------|---------|--------|--------------|--|--|--|--|
| Pistachio Meal Baited Traps      |                    |         |      |       |         |        |              |  |  |  |  |
|                                  | # of               |         |      |       |         |        |              |  |  |  |  |
|                                  | Releases           |         |      |       |         |        |              |  |  |  |  |
|                                  | During Trap        | Male    | Male | Male  | Female  | Female |              |  |  |  |  |
| Dates Traps in Field             | Period             | Sterile | Wild | Total | Sterile | Wild   | Female Total |  |  |  |  |
| Dec 28 - Jan 4                   | 0                  | 0       | 0    | 0     | 0       | 0      | 0            |  |  |  |  |
| Jan 4 - Jan 11                   | 0                  | 0       | 0    | 0     | 0       | 0      | 0            |  |  |  |  |
| Jan 11 - Jan 20                  | 0                  | 0       | 1    | 1     | 0       | 3      | 3            |  |  |  |  |
| <sup>1</sup> Jan 20 - Feb 1/2    | 0                  | 0       | 0    | 0     | 0       | 0      | 0            |  |  |  |  |
| <sup>2</sup> Feb 1/2 - Feb 8/9   | 0                  | 0       | 1    | 1     | 0       | 1      | 1            |  |  |  |  |
| <sup>3</sup> Feb 8/9 - Feb 16/17 | 0                  | 0       | 13   | 13    | 0       | 56     | 56           |  |  |  |  |
| Feb 16/17 - Feb 22               | 0                  | 0       | 8    | 8     | 0       | 32     | 32           |  |  |  |  |

| Feb 22 - Mar 1  | 0                 | 0         | 50            | 50          | 0   | 152              | 152  |
|-----------------|-------------------|-----------|---------------|-------------|-----|------------------|------|
| Mar 1 - Mar 8   | 0                 | 0         | 134           | 134         | 0   | 645              | 645  |
| Mar 8 - Mar 15  | 5                 | 0         | 25            | 25          | 0   | 36               | 36   |
| Mar 15 - Mar 22 | 8                 | 0         | 113           | 113         | 1   | 889              | 890  |
| Mar 22 - Mar 29 | 8                 | 0         | 113           | 113         | 14  | 974              | 988  |
| Mar 29 - Apr 5  | 8                 | 1         | 175           | 176         | 32  | 1105             | 1137 |
| Apr 5 - Apr 12  | 8                 | 3         | 200           | 203         | 58  | 1474             | 1532 |
| Apr 12 - Apr 19 | 8                 | 0         | 117           | 117         | 25  | 1351             | 1376 |
| Apr 19 - Apr 26 | 8                 | 0         | 34            | 34          | 5   | 592              | 597  |
| Apr 26 - May 3  | 8                 | 0         | 29            | 29          | 21  | 365              | 386  |
| May 3 - May 10  | 8                 | 0         | 13            | 13          | 20  | 588              | 608  |
| May 10 - May 17 | 8                 | 0         | 0             | 0           | 16  | 156              | 172  |
| May 17 - May 24 | 8                 | 0         | 0             | 0           | 7   | 40               | 47   |
| May 24 - Jun 1  | 9                 | 1         | 1             | 2           | 13  | 36               | 49   |
| Jun 1 - Jun 7   | 7                 | 0         | 3             | 3           | 46  | 90               | 136  |
| Jun 7 - Jun 14  | 8                 | 5         | 8             | 13          | 35  | 329              | 364  |
| Jun 14 - Jun 21 | 8                 | 5         | 25            | 30          | 131 | 829              | 960  |
| Jun 21 - Jun 28 | 8                 | 31        | 45            | 76          | 171 | 568              | 739  |
| Jun 28 - Jul 6  | 8                 | 22        | 52            | 74          | 411 | 1038             | 1449 |
| Jul 6 - Jul 12  | 6                 | 8         | 21            | 29          | 160 | 302              | 462  |
| Jul 12 - Jul 19 | 6                 | 8         | 34            | 42          | 79  | 147              | 226  |
| Jul 19 - Jul 26 | 8                 | 177       | 42            | 219         | 221 | 137              | 358  |
| Jul 26 - Aug 2  | 8                 | 30        | 29            | 59          | 57  | 160              | 217  |
| Aug 2 - Aug 13  | 11                | 3         | 20            | 23          | 83  | 271              | 354  |
| Aug 13 - Aug 16 | 4                 | 0         | 9             | 9           | 11  | 35               | 46   |
| Aug 16 - Aug 23 | 7                 | 3         | 14            | 17          | 8   | 15               | 23   |
| Aug 23 - Aug 30 | 6                 | 1         | 7             | 8           | 5   | 35               | 40   |
| Aug 30 - Sep 7  | 9                 | 1         | 13            | 14          | 1   | 40               | 41   |
| Sep 7 - Sep 13  | 4                 | 0         | 11            | 11          | 1   | 183              | 184  |
| Sep 13 - Sep 20 | 3                 | 0         | 31            | 31          | 2   | 339              | 341  |
| *Sep 20 - Oct 4 | 13                | 1         | 81            | 82          | 3   | 265              | 268  |
| Oct 4 - Oct 11  | 8                 | 0         | 7             | 7           | 2   | 24               | 26   |
| Oct 11 - Oct 18 | 6                 | 0         | 1             | 1           | 0   | 2                | 2    |
| *Oct 18 - Nov 1 | 0                 | 0         | 6             | 6           | 0   | 16               | 16   |
| Nov 1 - Nov 8   | 0                 | 0         | 11            | 11          | 0   | 13               | 13   |
| Nov 8 - Nov 15  | 0                 | 0         | 2             | 2           | 0   | 3                | 3    |
| Nov 15 - Nov 22 | 0                 | 0         | 1             | 1           | 0   | 2                | 2    |
| Nov 22 - Nov 29 | 0                 | 0         | 1             | 1           | 0   | 0                | 0    |
| Nov 29 - Dec 6  | 0                 | 0         | 1             | 1           | 0   | 8                | 8    |
| Dec 6 - Dec 13  | 0                 | 0         | 0             | 0           | 0   | 0                | 0    |
| Dec 13 - Dec 20 | 0                 | 0         | 0             | 0           | 0   | 0                | 0    |
|                 |                   |           |               |             |     |                  |      |
|                 | 21 of the 36 trap |           |               |             |     |                  |      |
|                 | 19 of the 36 trap |           |               |             | •   |                  |      |
| <sup>3</sup> 12 | 2 of the 36 traps |           |               |             |     | on <u>Feb 17</u> |      |
|                 |                   | *All trap | os in field f | or two weel | ks  |                  |      |

|                                  |             | Zo       | ne 1 - Pi    | stachio     |          |            |              |
|----------------------------------|-------------|----------|--------------|-------------|----------|------------|--------------|
|                                  |             | Pheromor | ne/PPO Lur   | e Baited Tr | aps      |            |              |
|                                  | # of        | 1        |              |             | upo (    |            |              |
|                                  | Releases    |          |              |             |          |            |              |
|                                  | During Trap | Male     | Male         | Male        | Female   | Female     |              |
| Dates Traps in Field             | Period      | Sterile  | Wild         | Total       | Sterile  | Wild       | Female Total |
| Dec 28 - Jan 4                   | 0           | 0        | 0            | 0           | 0        | 0          | 0            |
| Jan 4 - Jan 11                   | 0           | 0        | 3            | 3           | 0        | 0          | 0            |
| Jan 11 - Jan 20                  | 0           | 0        | 5            | 5           | 0        | 0          | 0            |
| <sup>1</sup> Jan 20 - Feb 1/2    | 0           | 0        | 1            | 1           | 0        | 0          | 0            |
| <sup>2</sup> Feb 1/2 - Feb 8/9   | 0           | 0        | 0            | 0           | 0        | 0          | 0            |
| <sup>3</sup> Feb 8/9 - Feb 16/17 | 0           | 0        | 74           | 74          | 0        | 0          | 0            |
| Feb 16/17 - Feb 22               | 0           | 0        | 31           | 31          | 0        | 1          | 1            |
| Feb 22 - Mar 1                   | 0           | 0        | 152          | 152         | 0        | 3          | 3            |
| Mar 1 - Mar 8                    | 0           | 0        | 303          | 303         | 0        | 53         | 53           |
| Mar 8 - Mar 15                   | 5           | 1        | 199          | 200         | 0        | 7          | 7            |
| Mar 15 - Mar 22                  | 8           | 0        | 222          | 222         | 0        | 28         | 28           |
| Mar 22 - Mar 29                  | 8           | 0        | 988          | 988         | 0        | 242        | 242          |
| Mar 29 - Apr 5                   | 8           | 22       | 1980         | 2002        | 5        | 858        | 863          |
| Apr 5 - Apr 12                   | 8           | 13       | 2235         | 2248        | 4        | 722        | 726          |
| Apr 12 - Apr 12                  | 8           | 7        | 1588         | 1595        | 3        | 958        | 961          |
| Apr 19 - Apr 26                  | 8           | 35       | 798          | 833         | 0        | 448        | 448          |
| Apr 26 - May 3                   | 8           | 14       | 379          | 393         | 2        | 220        | 222          |
| May 3 - May 10                   | 8           | 75       | 542          | 617         | 1        | 546        | 547          |
| May 10 - May 17                  | 8           | 57       | 226          | 283         | 2        | 243        | 245          |
| May 17 - May 24                  | 8           | 10       | 46           | 56          | 3        | 243        | 243          |
| May 24 - Jun 1                   | 9           | 24       | 50           | 74          | 2        | 57         | 59           |
| Jun 1 - Jun 7                    | 7           | 314      | 142          | 456         | 9        | 27         | 36           |
| Jun 7 - Jun 7                    | 8           | 368      | 247          | 615         | 5        | 50         | 55           |
| Jun 14 - Jun 21                  | 8           | 602      | 620          | 1222        | 14       | 325        | 339          |
| Jun 21 - Jun 28                  | 8           | 370      | 740          | 11110       | 56       | 749        | 805          |
| Jun 28 - Jul 6                   | 8           | 2558     |              | 4622        |          | 218        | 263          |
| Jul 28 - Jul 8<br>Jul 6 - Jul 12 | <u> </u>    | 810      | 2064<br>1635 | 2445        | 45<br>13 | 332        | 345          |
|                                  |             | 159      |              |             |          |            |              |
| Jul 12 - Jul 19                  | 6<br>8      |          | 1180         | 1339        | 6<br>13  | 408        | 414          |
| Jul 19 - Jul 26                  | 8           | 338      | 851          | 1189        | 13<br>7  | 292<br>199 | 305          |
| Jul 26 - Aug 2                   |             | 1333     | 1187         | 2520        |          |            | 206          |
| Aug 2 - Aug 13                   | 11          | 180      | 2540         | 2720        | 6        | 1921       | 1927         |
| Aug 13 - Aug 16                  | 4           | 33       | 1406         | 1439        | 3        | 734        | 737          |
| Aug 16 - Aug 23                  | 7           | 4        | 562          | 566         |          | 371        | 374          |
| Aug 23 - Aug 30                  | 6           | 3        | 1010         | 1013        | 1        | 45         | 46           |
| Aug 30 - Sep 7                   | 9           | 2        | 1559         | 1561        | 0        | 213        | 213          |
| Sep 7 - Sep 13                   | 4           | 0        | 833          | 833         | 2        | 871        | 873          |
| Sep 13 - Sep 20                  | 3           | 0        | 364          | 364         | 0        | 404        | 404          |
| *Sep 20 - Oct 4                  | 13          | 43       | 2714         | 2757        | 0        | 436        | 436          |
| Oct 4 - Oct 11                   | 8           | 3        | 682          | 685         | 0        | 92         | 92           |
| Oct 11 - Oct 18                  | 6           | 1        | 20           | 21          | 0        | 7          | 7            |
| *Oct 18 - Nov 1                  | 0           | 1        | 426          | 427         | 0        | 1          | 1            |
| Nov 1 - Nov 8                    | 0           | 0        | 113          | 113         | 0        | 10         | 10           |
| Nov 8 - Nov 15                   | 0           | 0        | 6            | 6           | 0        | 1          | 1            |
| Nov 15 - Nov 22                  | 0           | 0        | 45           | 45          | 0        | 2          | 2            |
| Nov 22 - Nov 29                  | 0           | 0        | 8            | 8           | 0        | 0          | 0            |
| Nov 29 - Dec 6                   | 0           | 0        | 22           | 22          | 0        | 4          | 4            |
| Dec 6 - Dec 13                   | 0           | 0        | 2            | 2           | 0        | 0          | 0            |

| Dec 13 - Dec 20  | 0   | 0 | 0 | 0 | 0 | 0 | 0 |  |  |
|--|---|---|---|---|---|---|---|--|--|
|  |   |   |   |   |   |   |   |  |  |
| <sup>1</sup> 21 of the 36 traps serviced on <u>Feb 1</u> ; 15 of the 36 traps serviced on <u>Feb 2</u>   |   |   |   |   |   |   |   |  |  |
| 2]   | <sup>2</sup> 19 of the 36 traps serviced on Feb 8; 17 of the 36 traps serviced on Feb 9 |   |   |   |   |   |   |  |  |
| <sup>3</sup> 12 of the 36 traps serviced on <u>Feb 16</u> ; 24 of the 36 traps serviced on <u>Feb 17</u> |   |   |   |   |   |   |   |  |  |
|  | *All traps in field for two weeks   |   |   |   |   |   |   |  |  |





Zone 2 is a pistachio orchard where aerial NOW SIT releases were not conducted. A total of **72** traps were collected from Zone 2 on <u>Tuesday</u>, <u>November 9</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

A total of **72** traps were collected from Zone 2 on <u>Tuesday</u>, <u>November 16</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

A total of **72** traps were collected from Zone 2 on <u>Tuesday</u>, <u>November 23</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

A total of **72** traps were collected from Zone 2 on <u>Tuesday</u>, <u>November 30</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

A total of **72** traps were collected from Zone 2 on <u>Tuesday</u>, <u>December 7</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

No traps were collected from Zone 2 during the week of <u>December 17</u> due to severe weather on site.

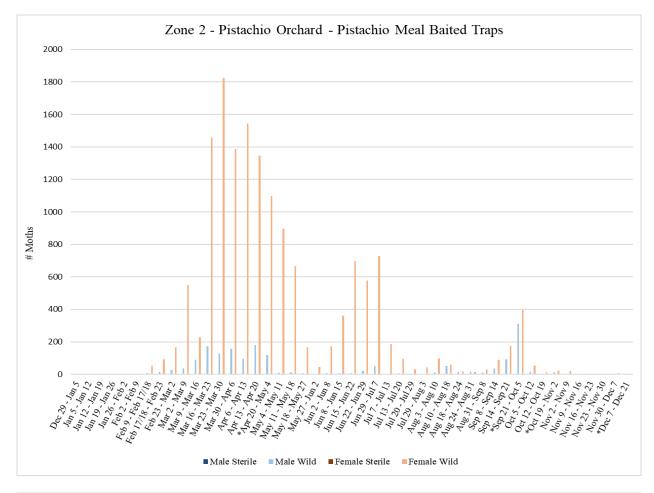
A total of **72** traps were collected from Zone 2 on <u>Tuesday</u>, <u>December 21</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

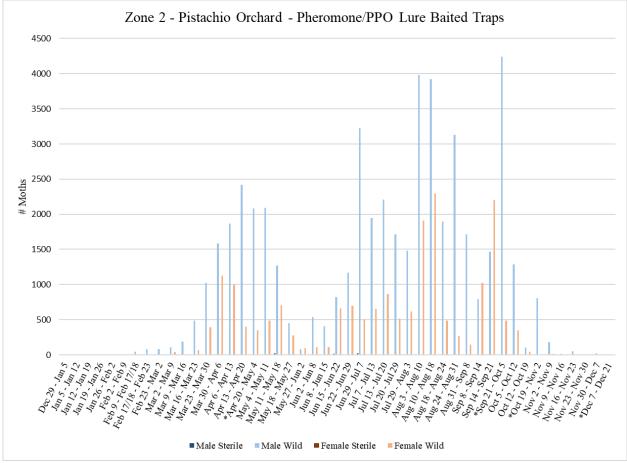
|                                |                  | Zor     | ne 2 - Pis  | stachio     |         |        |              |
|--------------------------------|------------------|---------|-------------|-------------|---------|--------|--------------|
|                                |                  | Pistach | nio Meal Ba | aited Traps |         |        |              |
|                                | # of<br>Releases |         |             |             |         |        |              |
| Dates Traps in                 | During Trap      | Male    | Male        | Male        | Female  | Female |              |
| Field                          | Period           | Sterile | Wild        | Total       | Sterile | Wild   | Female Total |
| Dec 29 - Jan 5                 | 0                | 0       | 0           | 0           | 0       | 0      | 0            |
| Jan 5 - Jan 12                 | 0                | 0       | 0           | 0           | 0       | 0      | 0            |
| Jan 12 - Jan 19                | 0                | 0       | 0           | 0           | 0       | 0      | 0            |
| Jan 19 - Jan 26                | 0                | 0       | 0           | 0           | 0       | 0      | 0            |
| <sup>1</sup> Jan 26 - Feb 2    | 0                | 0       | 0           | 0           | 0       | 0      | 0            |
| Feb 2 - Feb 9                  | 0                | 0       | 1           | 1           | 0       | 1      | 1            |
| <sup>2</sup> Feb 9 - Feb 17/18 | 0                | 0       | 7           | 7           | 0       | 55     | 55           |
| Feb 17/18 - Feb 23             | 0                | 0       | 14          | 14          | 0       | 91     | 91           |
| Feb 23 - Mar 2                 | 0                | 0       | 26          | 26          | 0       | 165    | 165          |
| Mar 2 - Mar 9                  | 0                | 0       | 37          | 37          | 0       | 551    | 551          |
| Mar 9 - Mar 16                 | 0                | 0       | 88          | 88          | 0       | 229    | 229          |
| Mar 16 - Mar 23                | 0                | 0       | 172         | 172         | 0       | 1458   | 1458         |
| Mar 23 - Mar 30                | 0                | 0       | 129         | 129         | 0       | 1825   | 1825         |
| Mar 30 - Apr 6                 | 0                | 0       | 158         | 158         | 0       | 1387   | 1387         |
| Apr 6 - Apr 13                 | 0                | 0       | 95          | 95          | 0       | 1543   | 1543         |
| Apr 13 - Apr 20                | 0                | 0       | 180         | 180         | 0       | 1347   | 1347         |
| *Apr 20 - May 4                | 0                | 0       | 120         | 120         | 0       | 1097   | 1097         |
| May 4 - May 11                 | 0                | 0       | 10          | 10          | 0       | 897    | 897          |
| May 11 - May 18                | 0                | 0       | 13          | 13          | 0       | 665    | 665          |
| May 18 - May 27                | 0                | 0       | 7           | 7           | 0       | 167    | 167          |
| May 27 - Jun 2                 | 0                | 0       | 0           | 0           | 0       | 45     | 45           |
| Jun 2 - Jun 8                  | 0                | 0       | 8           | 8           | 1       | 173    | 174          |
| Jun 8 - Jun 15                 | 0                | 0       | 6           | 6           | 0       | 361    | 361          |
| Jun 15 - Jun 22                | 0                | 0       | 8           | 8           | 0       | 698    | 698          |
| Jun 22 - Jun 29                | 0                | 0       | 20          | 20          | 1       | 576    | 577          |
| Jun 29 - Jul 7                 | 0                | 0       | 52          | 52          | 0       | 728    | 728          |

| Jul 7 - Jul 13              | 0                            | 0              | 1           | 1          | 0              | 188              | 188 |
|-----------------------------|------------------------------|----------------|-------------|------------|----------------|------------------|-----|
| Jul 13 - Jul 20             | 0                            | 0              | 8           | 8          | 0              | 94               | 94  |
| Jul 20 - Jul 29             | 0                            | 0              | 5           | 5          | 0              | 30               | 30  |
| Jul 29 - Aug 3              | 0                            | 0              | 2           | 2          | 0              | 41               | 41  |
| Aug 3 - Aug 10              | 0                            | 0              | 12          | 12         | 0              | 98               | 98  |
| Aug 10 - Aug 18             | 0                            | 0              | 50          | 50         | 0              | 59               | 59  |
| Aug 18 - Aug 24             | 0                            | 0              | 15          | 15         | 0              | 17               | 17  |
| Aug 24 - Aug 31             | 0                            | 0              | 16          | 16         | 0              | 15               | 15  |
| Aug 31 - Sep 8              | 0                            | 0              | 10          | 10         | 0              | 31               | 31  |
| <sup>3</sup> Sep 8 - Sep 14 | 0                            | 0              | 37          | 37         | 0              | 88               | 88  |
| Sep 14 - Sep 21             | 0                            | 0              | 92          | 92         | 0              | 175              | 175 |
| *Sep 21 - Oct 5             | 0                            | 0              | 311         | 311        | 0              | 397              | 397 |
| Oct 5 - Oct 12              | 0                            | 0              | 14          | 14         | 0              | 53               | 53  |
| Oct 12 - Oct 19             | 0                            | 0              | 0           | 0          | 0              | 13               | 13  |
| *Oct 19 - Nov 2             | 0                            | 0              | 13          | 13         | 0              | 22               | 22  |
| Nov 2 - Nov 9               | 0                            | 0              | 3           | 3          | 0              | 22               | 22  |
| Nov 9 - Nov 16              | 0                            | 0              | 0           | 0          | 0              | 2                | 2   |
| Nov 16 - Nov 23             | 0                            | 0              | 0           | 0          | 0              | 5                | 5   |
| Nov 23 - Nov 30             | 0                            | 0              | 2           | 2          | 0              | 2                | 2   |
| Nov 30 - Dec 7              | 0                            | 0              | 1           | 1          | 0              | 8                | 8   |
| *Dec 7 - Dec 21             | 0                            | 0              | 0           | 0          | 0              | 0                | 0   |
|                             |                              |                |             |            |                |                  |     |
|                             | <sup>1</sup> 20 traps unserv |                |             |            |                |                  |     |
|                             | 5 of these traps i           |                |             |            |                |                  |     |
| 25                          | of the 36 traps              |                |             |            |                | on <u>Feb 18</u> |     |
|                             | -                            |                |             | or two wee |                |                  |     |
|                             | <sup>3</sup> Only 16 of the  | e 36 traps ser | rviced this | week due t | o harvest oper | ations           |     |

|                                | Zone 2 - Pistachio              |           |           |             |         |        |        |  |  |  |  |
|--------------------------------|---------------------------------|-----------|-----------|-------------|---------|--------|--------|--|--|--|--|
|                                |                                 | Pheromone | /PPO Lure | Baited Trap | DS      |        |        |  |  |  |  |
|                                | # of<br>Releases<br>During Trap | Male      | Male      | Male        | Female  | Female | Female |  |  |  |  |
| Dates Traps in Field           | Period                          | Sterile   | Wild      | Total       | Sterile | Wild   | Total  |  |  |  |  |
| Dec 29 - Jan 5                 | 0                               | 0         | 0         | 0           | 0       | 0      | 0      |  |  |  |  |
| Jan 5 - Jan 12                 | 0                               | 0         | 1         | 1           | 0       | 0      | 0      |  |  |  |  |
| Jan 12 - Jan 19                | 0                               | 0         | 6         | 6           | 0       | 0      | 0      |  |  |  |  |
| Jan 19 - Jan 26                | 0                               | 0         | 4         | 4           | 0       | 0      | 0      |  |  |  |  |
| <sup>1</sup> Jan 26 - Feb 2    | 0                               | 0         | 1         | 1           | 0       | 0      | 0      |  |  |  |  |
| Feb 2 - Feb 9                  | 0                               | 0         | 0         | 0           | 0       | 0      | 0      |  |  |  |  |
| <sup>2</sup> Feb 9 - Feb 17/18 | 0                               | 0         | 46        | 46          | 0       | 0      | 0      |  |  |  |  |
| Feb 17/18 - Feb 23             | 0                               | 0         | 83        | 83          | 0       | 0      | 0      |  |  |  |  |
| Feb 23 - Mar 2                 | 0                               | 0         | 78        | 78          | 0       | 4      | 4      |  |  |  |  |
| Mar 2 - Mar 9                  | 0                               | 0         | 109       | 109         | 0       | 33     | 33     |  |  |  |  |
| Mar 9 - Mar 16                 | 0                               | 0         | 192       | 192         | 0       | 3      | 3      |  |  |  |  |
| Mar 16 - Mar 23                | 0                               | 0         | 484       | 484         | 0       | 65     | 65     |  |  |  |  |
| Mar 23 - Mar 30                | 0                               | 0         | 1027      | 1027        | 0       | 389    | 389    |  |  |  |  |
| Mar 30 - Apr 6                 | 0                               | 0         | 1584      | 1584        | 0       | 1124   | 1124   |  |  |  |  |
| Apr 6 - Apr 13                 | 0                               | 0         | 1866      | 1866        | 0       | 992    | 992    |  |  |  |  |
| Apr 13 - Apr 20                | 0                               | 0         | 2416      | 2416        | 0       | 400    | 400    |  |  |  |  |
| *Apr 20 - May 4                | 0                               | 0         | 2081      | 2081        | 0       | 349    | 349    |  |  |  |  |
| May 4 - May 11                 | 0                               | 0         | 2092      | 2092        | 0       | 484    | 484    |  |  |  |  |

| May 11 - May 18             | 0                           | 19            | 1268         | 1287        | 2               | 701    | 703  |
|-----------------------------|-----------------------------|---------------|--------------|-------------|-----------------|--------|------|
| May 18 - May 27             | 0                           | 0             | 450          | 450         | 0               | 276    | 276  |
| May 27 - Jun 2              | 0                           | 0             | 82           | 82          | 0               | 94     | 94   |
| Jun 2 - Jun 8               | 0                           | 3             | 541          | 544         | 0               | 110    | 110  |
| Jun 8 - Jun 15              | 0                           | 2             | 406          | 408         | 0               | 110    | 110  |
| Jun 15 - Jun 22             | 0                           | 16            | 820          | 836         | 0               | 662    | 662  |
| Jun 22 - Jun 29             | 0                           | 0             | 1171         | 1171        | 0               | 698    | 698  |
| Jun 29 - Jul 7              | 0                           | 24            | 3227         | 3251        | 0               | 501    | 501  |
| Jul 7 - Jul 13              | 0                           | 2             | 1947         | 1949        | 0               | 656    | 656  |
| Jul 13 - Jul 20             | 0                           | 0             | 2210         | 2210        | 0               | 864    | 864  |
| Jul 20 - Jul 29             | 0                           | 0             | 1716         | 1716        | 0               | 516    | 516  |
| Jul 29 - Aug 3              | 0                           | 3             | 1479         | 1482        | 0               | 614    | 614  |
| Aug 3 - Aug 10              | 0                           | 0             | 3983         | 3983        | 0               | 1910   | 1910 |
| Aug 10 - Aug 18             | 0                           | 1             | 3925         | 3926        | 0               | 2293   | 2293 |
| Aug 18 - Aug 24             | 0                           | 0             | 1899         | 1899        | 0               | 485    | 485  |
| Aug 24 - Aug 31             | 0                           | 0             | 3131         | 3131        | 0               | 269    | 269  |
| Aug 31 - Sep 8              | 0                           | 0             | 1714         | 1714        | 0               | 148    | 148  |
| <sup>3</sup> Sep 8 - Sep 14 | 0                           | 0             | 792          | 792         | 0               | 1025   | 1025 |
| Sep 14 - Sep 21             | 0                           | 0             | 1464         | 1464        | 0               | 2198   | 2198 |
| *Sep 21 - Oct 5             | 0                           | 0             | 4239         | 4239        | 0               | 490    | 490  |
| Oct 5 - Oct 12              | 0                           | 0             | 1289         | 1289        | 0               | 345    | 345  |
| Oct 12 - Oct 19             | 0                           | 0             | 100          | 100         | 0               | 40     | 40   |
| *Oct 19 - Nov 2             | 0                           | 0             | 807          | 807         | 0               | 4      | 4    |
| Nov 2 - Nov 9               | 0                           | 0             | 179          | 179         | 0               | 12     | 12   |
| Nov 9 - Nov 16              | 0                           | 0             | 15           | 15          | 0               | 1      | 1    |
| Nov 16 - Nov 23             | 0                           | 0             | 48           | 48          | 0               | 0      | 0    |
| Nov 23 - Nov 30             | 0                           | 0             | 8            | 8           | 0               | 0      | 0    |
| Nov 30 - Dec 7              | 0                           | 0             | 19           | 19          | 0               | 2      | 2    |
| *Dec 7 - Dec 21             | 0                           | 0             | 8            | 8           | 0               | 0      | 0    |
|                             |                             |               |              |             |                 |        |      |
|                             | 20 traps unserv             |               |              |             |                 |        |      |
|                             | of these traps in           |               |              |             |                 |        |      |
| 25                          | of the 36 traps s           |               |              |             |                 | Feb 18 |      |
|                             | 20.1.16.61                  | •             | in field for |             |                 |        |      |
|                             | <sup>3</sup> Only 16 of the | 36 traps serv | viced this w | reek due to | harvest operati | ons    |      |





Zone 3 is an almond orchard where aerial NOW SIT releases were conducted. A total of **72** traps were collected from Zone 3 on <u>Wednesday</u>, <u>November 10</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

A total of **48** traps were collected from Zone 3 on <u>Wednesday</u>, <u>November 17</u>, with **24** pistachio meal baited traps and **24** pheromone/PPO lure traps.

A total of **72** traps were collected from Zone 3 on <u>Wednesday</u>, <u>November 24</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

A total of **72** traps were collected from Zone 3 on <u>Wednesday</u>, <u>December 1</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

A total of **72** traps were collected from Zone 3 on <u>Wednesday</u>, <u>December 8</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

No traps were collected from Zone 3 during the week of December 17 due to severe weather on site.

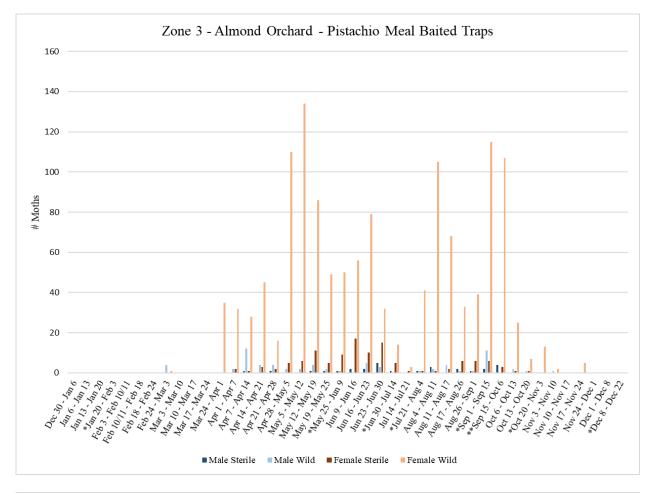
A total of **72** traps were collected from Zone 3 on <u>Wednesday</u>, <u>December 22</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

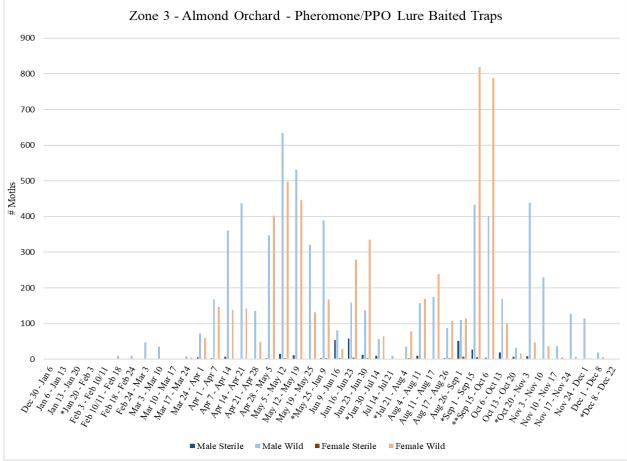
|                                | Zone 3 - Almond  |         |             |             |         |        |              |  |  |  |  |  |
|--------------------------------|------------------|---------|-------------|-------------|---------|--------|--------------|--|--|--|--|--|
|                                |                  | Pistach | nio Meal Ba | aited Traps |         |        |              |  |  |  |  |  |
|                                | # of<br>Releases |         |             |             |         |        |              |  |  |  |  |  |
| Dates Traps in                 | During Trap      | Male    | Male        | Male        | Female  | Female |              |  |  |  |  |  |
| Field                          | Period           | Sterile | Wild        | Total       | Sterile | Wild   | Female Total |  |  |  |  |  |
| Dec 30 - Jan 6                 | 0                | 0       | 0           | 0           | 0       | 0      | 0            |  |  |  |  |  |
| Jan 6 - Jan 13                 | 0                | 0       | 0           | 0           | 0       | 0      | 0            |  |  |  |  |  |
| Jan 13 - Jan 20                | 0                | 0       | 0           | 0           | 0       | 0      | 0            |  |  |  |  |  |
| *Jan 20 - Feb 3                | 0                | 0       | 0           | 0           | 0       | 0      | 0            |  |  |  |  |  |
| <sup>1</sup> Feb 3 - Feb 10/11 | 0                | 0       | 0           | 0           | 0       | 0      | 0            |  |  |  |  |  |
| Feb 10/11 - Feb 18             | 0                | 0       | 0           | 0           | 0       | 0      | 0            |  |  |  |  |  |
| Feb 18 - Feb 24                | 0                | 0       | 0           | 0           | 0       | 0      | 0            |  |  |  |  |  |
| Feb 24 - Mar 3                 | 0                | 0       | 4           | 4           | 0       | 1      | 1            |  |  |  |  |  |
| Mar 3 - Mar 10                 | 1                | 0       | 0           | 0           | 0       | 0      | 0            |  |  |  |  |  |
| Mar 10 - Mar 17                | 8                | 0       | 0           | 0           | 0       | 0      | 0            |  |  |  |  |  |
| Mar 17 - Mar 24                | 8                | 0       | 0           | 0           | 0       | 0      | 0            |  |  |  |  |  |
| Mar 24 - Apr 1                 | 8                | 0       | 0           | 0           | 0       | 35     | 35           |  |  |  |  |  |
| Apr 1 - Apr 7                  | 7                | 0       | 2           | 2           | 2       | 32     | 34           |  |  |  |  |  |
| Apr 7 - Apr 14                 | 8                | 1       | 12          | 13          | 1       | 28     | 29           |  |  |  |  |  |
| Apr 14 - Apr 21                | 8                | 0       | 4           | 4           | 3       | 45     | 48           |  |  |  |  |  |
| Apr 21 - Apr 28                | 8                | 1       | 4           | 5           | 2       | 16     | 18           |  |  |  |  |  |
| Apr 28 - May 5                 | 8                | 0       | 2           | 2           | 5       | 110    | 115          |  |  |  |  |  |
| May 5 - May 12                 | 8                | 0       | 2           | 2           | 6       | 134    | 140          |  |  |  |  |  |
| May 12 - May 19                | 8                | 1       | 4           | 5           | 11      | 86     | 97           |  |  |  |  |  |
| May 19 - May 25                | 7                | 1       | 2           | 3           | 5       | 49     | 54           |  |  |  |  |  |
| *May 25 - Jun 9                | 16               | 1       | 1           | 2           | 9       | 50     | 59           |  |  |  |  |  |
| Jun 9 - Jun 16                 | 8                | 2       | 0           | 2           | 17      | 56     | 73           |  |  |  |  |  |
| Jun 16 - Jun 23                | 8                | 2       | 5           | 7           | 10      | 79     | 89           |  |  |  |  |  |
| Jun 23 - Jun 30                | 8                | 5       | 3           | 8           | 15      | 32     | 47           |  |  |  |  |  |
| *Jun 30 - Jul 14               | 13               | 1       | 0           | 1           | 5       | 14     | 19           |  |  |  |  |  |
| Jul 14 - Jul 21                | 7                | 0       | 0           | 0           | 1       | 3      | 4            |  |  |  |  |  |

| *Jul 21 - Aug 4              | 15                                   | 1             | 1           | 2            | 1              | 41              | 42  |  |  |  |
|------------------------------|--------------------------------------|---------------|-------------|--------------|----------------|-----------------|-----|--|--|--|
| Aug 4 - Aug 11               | 7                                    | 3             | 2           | 5            | 1              | 105             | 106 |  |  |  |
| Aug 11 - Aug 17              | 6                                    | 0             | 4           | 4            | 2              | 68              | 70  |  |  |  |
| Aug 17 - Aug 26              | 8                                    | 2             | 1           | 3            | 6              | 33              | 39  |  |  |  |
| Aug 26 - Sep 1               | 7                                    | 1             | 1           | 2            | 6              | 39              | 45  |  |  |  |
| *Sep 1 - Sep 15              | 10                                   | 2             | 11          | 13           | 6              | 115             | 121 |  |  |  |
| **Sep 15 - Oct 6             | 17                                   | 4             | 0           | 4            | 3              | 107             | 110 |  |  |  |
| Oct 6 - Oct 13               | 8                                    | 0             | 2           | 2            | 1              | 25              | 26  |  |  |  |
| Oct 13 - Oct 20              | 4                                    | 0             | 1           | 1            | 1              | 7               | 8   |  |  |  |
| *Oct 20 - Nov 3              | 0                                    | 0             | 0           | 0            | 0              | 13              | 13  |  |  |  |
| Nov 3 - Nov 10               | 0                                    | 0             | 1           | 1            | 0              | 2               | 2   |  |  |  |
| <sup>2</sup> Nov 10 - Nov 17 | 0                                    | 0             | 0           | 0            | 0              | 0               | 0   |  |  |  |
| Nov 17 - Nov 24              | 0                                    | 0             | 0           | 0            | 0              | 5               | 5   |  |  |  |
| Nov 24 - Dec 1               | 0                                    | 0             | 0           | 0            | 0              | 0               | 0   |  |  |  |
| Dec 1 - Dec 8                | 0                                    | 0             | 0           | 0            | 0              | 0               | 0   |  |  |  |
| *Dec 8 - Dec 22              | 0                                    | 0             | 0           | 0            | 0              | 0               | 0   |  |  |  |
|                              |                                      |               |             |              |                |                 |     |  |  |  |
|                              | *All traps in field for two weeks    |               |             |              |                |                 |     |  |  |  |
| 17                           | of the 36 traps                      | serviced on ] | Feb 10; 29  | of the 36 tr | aps serviced o | n <u>Feb 11</u> |     |  |  |  |
|                              | **All traps in field for three weeks |               |             |              |                |                 |     |  |  |  |
| <sup>2</sup> Only 24         | of the 36 traps                      | s were servi  | ced this we | ek due to    | pesticide appl | ications on s   | ite |  |  |  |

|                                | Zone 3 - Almond  |           |           |             |         |        |        |  |  |  |
|--------------------------------|------------------|-----------|-----------|-------------|---------|--------|--------|--|--|--|
|                                |                  | Pheromone | /PPO Lure | Baited Trap | DS      |        |        |  |  |  |
|                                | # of<br>Releases |           |           |             |         |        |        |  |  |  |
|                                | During Trap      | Male      | Male      | Male        | Female  | Female | Female |  |  |  |
| Dates Traps in Field           | Period           | Sterile   | Wild      | Total       | Sterile | Wild   | Total  |  |  |  |
| Dec 30 - Jan 6                 | 0                | 0         | 0         | 0           | 0       | 0      | 0      |  |  |  |
| Jan 6 - Jan 13                 | 0                | 0         | 0         | 0           | 0       | 0      | 0      |  |  |  |
| Jan 13 - Jan 20                | 0                | 0         | 0         | 0           | 0       | 0      | 0      |  |  |  |
| *Jan 20 - Feb 3                | 0                | 0         | 0         | 0           | 0       | 0      | 0      |  |  |  |
| <sup>1</sup> Feb 3 - Feb 10/11 | 0                | 0         | 0         | 0           | 0       | 0      | 0      |  |  |  |
| Feb 10/11 - Feb 18             | 0                | 0         | 9         | 9           | 0       | 0      | 0      |  |  |  |
| Feb 18 - Feb 24                | 0                | 0         | 10        | 10          | 0       | 0      | 0      |  |  |  |
| Feb 24 - Mar 3                 | 0                | 0         | 47        | 47          | 0       | 0      | 0      |  |  |  |
| Mar 3 - Mar 10                 | 1                | 0         | 35        | 35          | 0       | 0      | 0      |  |  |  |
| Mar 10 - Mar 17                | 8                | 0         | 1         | 1           | 0       | 0      | 0      |  |  |  |
| Mar 17 - Mar 24                | 8                | 0         | 8         | 8           | 0       | 4      | 4      |  |  |  |
| Mar 24 - Apr 1                 | 8                | 6         | 73        | 79          | 0       | 59     | 59     |  |  |  |
| Apr 1 - Apr 7                  | 7                | 3         | 168       | 171         | 0       | 147    | 147    |  |  |  |
| Apr 7 - Apr 14                 | 8                | 7         | 361       | 368         | 0       | 138    | 138    |  |  |  |
| Apr 14 - Apr 21                | 8                | 0         | 437       | 437         | 0       | 143    | 143    |  |  |  |
| Apr 21 - Apr 28                | 8                | 2         | 136       | 138         | 0       | 49     | 49     |  |  |  |
| Apr 28 - May 5                 | 8                | 3         | 348       | 351         | 1       | 403    | 404    |  |  |  |
| May 5 - May 12                 | 8                | 15        | 634       | 649         | 3       | 498    | 501    |  |  |  |
| May 12 - May 19                | 8                | 11        | 531       | 542         | 0       | 447    | 447    |  |  |  |
| May 19 - May 25                | 7                | 2         | 321       | 323         | 1       | 132    | 133    |  |  |  |
| *May 25 - Jun 9                | 16               | 3         | 389       | 392         | 3       | 168    | 171    |  |  |  |
| Jun 9 - Jun 16                 | 8                | 54        | 81        | 135         | 3       | 28     | 31     |  |  |  |
| Jun 16 - Jun 23                | 8                | 58        | 158       | 216         | 4       | 279    | 283    |  |  |  |
| Jun 23 - Jun 30                | 8                | 12        | 137       | 149         | 3       | 335    | 338    |  |  |  |

| *Jun 30 - Jul 14             | 13                | 9            | 56                 | 65            | 0               | 64             | 64  |
|------------------------------|-------------------|--------------|--------------------|---------------|-----------------|----------------|-----|
| Jul 14 - Jul 21              | 7                 | 0            | 10                 | 10            | 0               | 2              | 2   |
| *Jul 21 - Aug 4              | 15                | 0            | 35                 | 35            | 3               | 78             | 81  |
| Aug 4 - Aug 11               | 7                 | 9            | 157                | 166           | 2               | 169            | 171 |
| Aug 11 - Aug 17              | 6                 | 0            | 175                | 175           | 0               | 239            | 239 |
| Aug 17 - Aug 26              | 8                 | 3            | 88                 | 91            | 3               | 107            | 110 |
| Aug 26 - Sep 1               | 7                 | 51           | 110                | 161           | 7               | 114            | 121 |
| *Sep 1 - Sep 15              | 10                | 27           | 433                | 460           | 5               | 819            | 824 |
| **Sep 15 - Oct 6             | 17                | 4            | 401                | 405           | 1               | 789            | 790 |
| Oct 6 - Oct 13               | 8                 | 19           | 169                | 188           | 0               | 101            | 101 |
| Oct 13 - Oct 20              | 4                 | 7            | 32                 | 39            | 0               | 17             | 17  |
| *Oct 20 - Nov 3              | 0                 | 8            | 438                | 446           | 0               | 47             | 47  |
| Nov 3 - Nov 10               | 0                 | 0            | 230                | 230           | 0               | 36             | 36  |
| <sup>2</sup> Nov 10 - Nov 17 | 0                 | 0            | 37                 | 37            | 0               | 5              | 5   |
| Nov 17 - Nov 24              | 0                 | 0            | 128                | 128           | 0               | 7              | 7   |
| Nov 24 - Dec 1               | 0                 | 0            | 114                | 114           | 0               | 3              | 3   |
| Dec 1 - Dec 8                | 0                 | 0            | 19                 | 19            | 0               | 5              | 5   |
| *Dec 8 - Dec 22              | 0                 | 0            | 2                  | 2             | 0               | 0              | 0   |
|                              |                   |              |                    |               |                 |                |     |
|                              |                   | *All traps   | in field for       | r two week    | s               |                |     |
| 17                           | of the 36 traps s | erviced on F | <u>eb 10;</u> 29 o | f the 36 traj | os serviced on  | Feb 11         |     |
|                              |                   | **All traps  | in field for       | three week    | CS              |                |     |
| <sup>2</sup> Only 24         | of the 36 traps   | were service | ed this wee        | k due to p    | esticide applic | ations on site | e   |





Zone 4 is an almond orchard where aerial NOW SIT releases were not conducted. A total of **72** traps were collected from Zone 4 on <u>Friday</u>, <u>November 12</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

A total of **40** traps were collected from Zone 4 on <u>Thursday, November 18</u>, with **20** pistachio meal baited traps and **20** pheromone/PPO lure traps.

No traps were collected from Zone 4 during the week of <u>November 26</u> due to state holiday.

A total of **72** traps were collected from Zone 4 on <u>Thursday, December 2</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

No traps were collected from Zone 4 during the week of <u>December 10</u> due to severe weather on site.

No traps were collected from Zone 4 during the week of December 17 due to severe weather on site

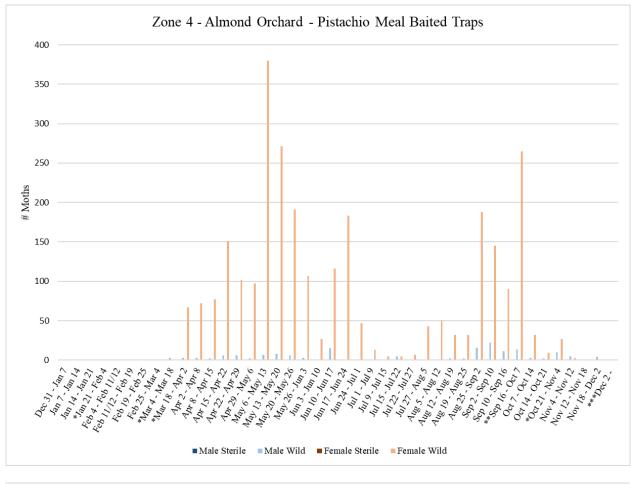
No traps were collected from Zone 4 during the week of December 24 due to severe weather on site

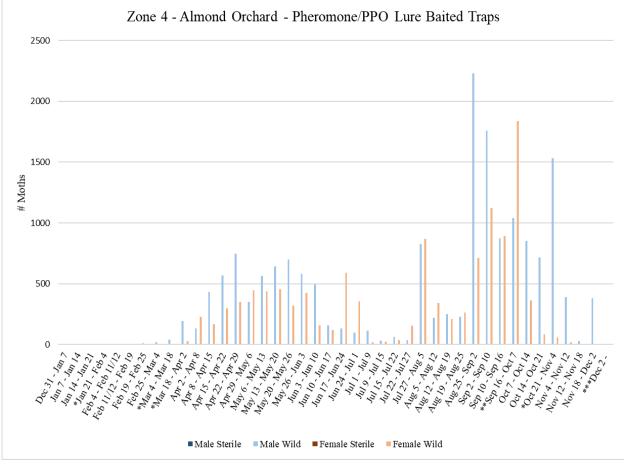
|                                |                  | Zon      | e 4 - Alr  | nond       |         |        |        |
|--------------------------------|------------------|----------|------------|------------|---------|--------|--------|
|                                |                  | Pistachi | o Meal Bai | ited Traps |         |        |        |
|                                | # of<br>Releases |          |            |            |         |        |        |
|                                | During Trap      | Male     | Male       | Male       | Female  | Female | Female |
| Dates Traps in Field           | Period           | Sterile  | Wild       | Total      | Sterile | Wild   | Total  |
| Dec 31 - Jan 7                 | 0                | 0        | 0          | 0          | 0       | 0      | 0      |
| Jan 7 - Jan 14                 | 0                | 0        | 0          | 0          | 0       | 0      | 0      |
| Jan 14 - Jan 21                | 0                | 0        | 0          | 0          | 0       | 0      | 0      |
| *Jan 21 - Feb 4                | 0                | 0        | 0          | 0          | 0       | 0      | 0      |
| <sup>1</sup> Feb 4 - Feb 11/12 | 0                | 0        | 0          | 0          | 0       | 0      | 0      |
| Feb 11/12 - Feb 19             | 0                | 0        | 0          | 0          | 0       | 0      | 0      |
| Feb 19 - Feb 25                | 0                | 0        | 0          | 0          | 0       | 0      | 0      |
| Feb 25 - Mar 4                 | 0                | 0        | 1          | 1          | 0       | 0      | 0      |
| *Mar 4 - Mar 18                | 0                | 0        | 3          | 3          | 0       | 0      | 0      |
| *Mar 18 - Apr 2                | 0                | 0        | 3          | 3          | 0       | 67     | 67     |
| Apr 2 - Apr 8                  | 0                | 0        | 3          | 3          | 0       | 72     | 72     |
| Apr 8 - Apr 15                 | 0                | 0        | 2          | 2          | 0       | 77     | 77     |
| Apr 15 - Apr 22                | 0                | 0        | 6          | 6          | 0       | 151    | 151    |
| Apr 22 - Apr 29                | 0                | 0        | 6          | 6          | 0       | 102    | 102    |
| Apr 29 - May 6                 | 0                | 0        | 2          | 2          | 0       | 97     | 97     |
| May 6 - May 13                 | 0                | 0        | 7          | 7          | 0       | 380    | 380    |
| May 13 - May 20                | 0                | 0        | 8          | 8          | 0       | 271    | 271    |
| May 20 - May 26                | 0                | 0        | 6          | 6          | 0       | 191    | 191    |
| May 26 - Jun 3                 | 0                | 0        | 3          | 3          | 0       | 107    | 107    |
| Jun 3 - Jun 10                 | 0                | 0        | 1          | 1          | 0       | 27     | 27     |
| Jun 10 - Jun 17                | 0                | 0        | 15         | 15         | 0       | 116    | 116    |
| Jun 17 - Jun 24                | 0                | 0        | 1          | 1          | 0       | 183    | 183    |
| Jun 24 - Jul 1                 | 0                | 0        | 0          | 0          | 1       | 47     | 48     |
| Jul 1 - Jul 9                  | 0                | 0        | 0          | 0          | 0       | 13     | 13     |
| Jul 9 - Jul 15                 | 0                | 0        | 0          | 0          | 0       | 5      | 5      |
| Jul 15 - Jul 22                | 0                | 0        | 5          | 5          | 0       | 5      | 5      |
| Jul 22 - Jul 27                | 0                | 0        | 0          | 0          | 0       | 7      | 7      |
| Jul 27 - Aug 5                 | 0                | 0        | 1          | 1          | 0       | 43     | 43     |
| Aug 5 - Aug 12                 | 0                | 0        | 0          | 0          | 0       | 50     | 50     |

| Aug 12 - Aug 19                 | 0                 | 0             | 2                   | 2             | 0              | 32            | 32          |  |  |  |  |
|---------------------------------|-------------------|---------------|---------------------|---------------|----------------|---------------|-------------|--|--|--|--|
| Aug 19 - Aug 25                 | 0                 | 0             | 2                   | 2             | 0              | 32            | 32          |  |  |  |  |
| Aug 25 - Sep 2                  | 0                 | 0             | 16                  | 16            | 0              | 188           | 188         |  |  |  |  |
| Sep 2 - Sep 10                  | 0                 | 0             | 22                  | 22            | 0              | 145           | 145         |  |  |  |  |
| Sep 10 - Sep 16                 |                   |               |                     |               |                |               |             |  |  |  |  |
| **Sep 16 - Oct 7                |                   |               |                     |               |                |               |             |  |  |  |  |
| Oct 7 - Oct 14                  | 0                 | 0             | 3                   | 3             | 0              | 32            | 32          |  |  |  |  |
| Oct 14 - Oct 21                 | 0                 | 0             | 2                   | 2             | 0              | 9             | 9           |  |  |  |  |
| *Oct 21 - Nov 4                 | 0                 | 0             | 10                  | 10            | 0              | 27            | 27          |  |  |  |  |
| Nov 4 - Nov 12                  | 0                 | 0             | 5                   | 5             | 0              | 3             | 3           |  |  |  |  |
| <sup>2</sup> Nov 12 - Nov 18    | 0                 | 0             | 0                   | 0             | 0              | 0             | 0           |  |  |  |  |
| <sup>3</sup> Nov 18 - Dec 2     | 0                 | 0             | 4                   | 4             | 0              | 0             | 0           |  |  |  |  |
| Dec 2 -                         |                   |               |                     |               |                |               |             |  |  |  |  |
|                                 |                   |               |                     |               |                |               |             |  |  |  |  |
|                                 |                   | *All traps    | in field for        | two weeks     |                |               |             |  |  |  |  |
| <sup>1</sup> 18                 | of the 36 traps s | serviced on H | <u>Feb 11;</u> 18 o | of the 36 tra | ps serviced on | <u>Feb 12</u> |             |  |  |  |  |
|                                 |                   | 1             |                     | three week    |                |               |             |  |  |  |  |
| <sup>2</sup> Only 20            | of the 36 traps   | s were servi  | ced this we         | ek due to t   | rapping equip  | ment issues   |             |  |  |  |  |
| <sup>3</sup> 20 of the previous | y serviced trap   |               |                     | ,             | e previously u | nserviced tra | ps in field |  |  |  |  |
|                                 |                   |               | or three we         |               |                |               |             |  |  |  |  |
| **:                             | *No traps servic  | ed in Zone 4  | since 12/2          | 21 due to s   | evere weather  | on site       |             |  |  |  |  |

|                                |             | Zo       | ne 4 - A  | lmond       |         |        |              |
|--------------------------------|-------------|----------|-----------|-------------|---------|--------|--------------|
|                                |             | Pheromon | e/PPO Lur | e Baited Ti | aps     |        |              |
|                                | # of        |          |           |             |         |        |              |
|                                | Releases    |          |           |             |         |        |              |
| Dates Traps in                 | During Trap | Male     | Male      | Male        | Female  | Female |              |
| Field                          | Period      | Sterile  | Wild      | Total       | Sterile | Wild   | Female Total |
| Dec 31 - Jan 7                 | 0           | 0        | 0         | 0           | 0       | 0      | 0            |
| Jan 7 - Jan 14                 | 0           | 0        | 0         | 0           | 0       | 0      | 0            |
| Jan 14 - Jan 21                | 0           | 0        | 0         | 0           | 0       | 0      | 0            |
| *Jan 21 - Feb 4                | 0           | 0        | 0         | 0           | 0       | 0      | 0            |
| <sup>1</sup> Feb 4 - Feb 11/12 | 0           | 0        | 0         | 0           | 0       | 0      | 0            |
| Feb 11/12 - Feb 19             | 0           | 0        | 4         | 4           | 0       | 0      | 0            |
| Feb 19 - Feb 25                | 0           | 0        | 9         | 9           | 0       | 0      | 0            |
| Feb 25 - Mar 4                 | 0           | 0        | 20        | 20          | 0       | 0      | 0            |
| *Mar 4 - Mar 18                | 0           | 0        | 38        | 38          | 0       | 0      | 0            |
| *Mar 18 - Apr 2                | 0           | 0        | 192       | 192         | 0       | 26     | 26           |
| Apr 2 - Apr 8                  | 0           | 0        | 131       | 131         | 0       | 229    | 229          |
| Apr 8 - Apr 15                 | 0           | 0        | 431       | 431         | 0       | 165    | 165          |
| Apr 15 - Apr 22                | 0           | 0        | 570       | 570         | 0       | 299    | 299          |
| Apr 22 - Apr 29                | 0           | 0        | 745       | 745         | 0       | 351    | 351          |
| Apr 29 - May 6                 | 0           | 0        | 352       | 352         | 0       | 445    | 445          |
| May 6 - May 13                 | 0           | 0        | 564       | 564         | 0       | 439    | 439          |
| May 13 - May 20                | 0           | 0        | 643       | 643         | 0       | 454    | 454          |
| May 20 - May 26                | 0           | 0        | 697       | 697         | 0       | 318    | 318          |
| May 26 - Jun 3                 | 0           | 0        | 582       | 582         | 0       | 424    | 424          |
| Jun 3 - Jun 10                 | 0           | 0        | 496       | 496         | 0       | 159    | 159          |
| Jun 10 - Jun 17                | 0           | 0        | 160       | 160         | 0       | 120    | 120          |
| Jun 17 - Jun 24                | 0           | 0        | 130       | 130         | 0       | 590    | 590          |

| 0               | 0   | 96  | 96  | 0   | 355  | 355   |  |  |  |  |  |
|-----------------|---|---|---|---|--|---|--|--|--|--|--|
| 0               | 0   | 113   | 113   | 0   | 18   | 18  |  |  |  |  |  |
| 0               | 0   | 31  | 31  | 0   | 23   | 23  |  |  |  |  |  |
| 0               | 0   | 64  | 64  | 0   | 34   | 34  |  |  |  |  |  |
| 0               | 0   | 36  | 36  | 0   | 154  | 154   |  |  |  |  |  |
| 0               | 0   | 826   | 826   | 0   | 867  | 867   |  |  |  |  |  |
| 0               | 0   | 217   | 217   | 0   | 342  | 342   |  |  |  |  |  |
| 0               | 0   | 251   | 251   | 0   | 212  | 212   |  |  |  |  |  |
| 0               | 0   | 227   | 227   | 0   | 262  | 262   |  |  |  |  |  |
| 0               | 0   | 2231  | 2231  | 0   | 712  | 712   |  |  |  |  |  |
| 0               | 0   | 1760  | 1760  | 0   | 1122   | 1122  |  |  |  |  |  |
| 0               | 0   | 872   | 872   | 0   | 892  | 892   |  |  |  |  |  |
|                 |   |   |   |   |  |   |  |  |  |  |  |
| 0               | 0   | 850   | 850   | 0   | 364  | 364   |  |  |  |  |  |
| 0               | 0   | 716   | 716   | 0   | 84   | 84  |  |  |  |  |  |
| 0               | 0   | 1534  | 1534  | 0   | 59   | 59  |  |  |  |  |  |
| 0               | 0   | 387   | 387   | 0   | 19   | 19  |  |  |  |  |  |
| 0               | 0   | 29  | 29  | 0   | 4  | 4   |  |  |  |  |  |
| 0               | 0   | 380   | 380   | 0   | 7  | 7   |  |  |  |  |  |
|                 |   |   |   |   |  |   |  |  |  |  |  |
|                 |   |   |   |   |  |   |  |  |  |  |  |
|                 |   |   |   |   |  |   |  |  |  |  |  |
| of the 36 traps |   |   |   |   | on <u>Feb 12</u>   |   |  |  |  |  |  |
|                 |   |   |   |   |  |   |  |  |  |  |  |
|                 |   |   |   |   |  |   |  |  |  |  |  |
| ly serviced tra | -   |   |   | he previously   | v unserviced t   | raps in field   |  |  |  |  |  |
|                 |   |   |   |   |  |   |  |  |  |  |  |
| *No traps servi | iced in Zone  | 4 since 12/   | 2/21 due to   | severe weath  | er on site   |   |  |  |  |  |  |
|                 | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 0         0           *All trap           of the 36 traps serviced on           **All trap           0 of the 36 traps were serviced on | 0         0         113           0         0         31           0         0         64           0         0         36           0         0         826           0         0         217           0         0         221           0         0         2231           0         0         2231           0         0         1760           0         0         872           0         0         872           0         0         850           0         0         1041           0         0         850           0         0         1534           0         0         387           0         0         387           0         0         380           *All traps in field fease           *All traps in field fease         **All traps in field fease           0         0         11; 18           **All traps in field for two week         for three w | 0         0         113         113           0         0         31         31           0         0         64         64           0         0         36         36           0         0         826         826           0         0         217         217           0         0         251         251           0         0         2231         2231           0         0         1760         1760           0         0         872         872           0         0         850         850           0         0         1041         1041           0         0         850         850           0         0         1534         1534           0         0         387         387           0         0         380         380           *All traps in field for two week         *All traps in field for three we           0 of the 36 traps serviced on Feb 11; 18 of the 36 traps         *All traps in field for three we           0 of the 36 traps were serviced this week due to the serviced traps in field for three weeks; 16 of the serviced traps in field for two weeks; 16 of the serviced traps in fiel | 0         0         113         113         0           0         0         31         31         0           0         0         64         64         0           0         0         36         36         0           0         0         36         36         0           0         0         826         826         0           0         0         217         217         0           0         0         251         251         0           0         0         2231         2231         0           0         0         1760         1760         0           0         0         872         872         0           0         0         1041         1041         0           0         0         850         850         0           0         0         1534         1534         0           0         0         380         380         0           *All traps in field for two weeks         0         0         380         380           0 of the 36 traps serviced on Feb 11; 18 of the 36 traps serviced         **Allt traps in fiel | 0         0         113         113         0         18           0         0         31         31         0         23           0         0         64         64         0         34           0         0         36         36         0         154           0         0         826         826         0         867           0         0         217         217         0         342           0         0         251         251         0         212           0         0         227         227         0         262           0         0         2231         2231         0         712           0         0         1760         1760         0         1122           0         0         872         872         0         892           0         0         1041         1041         0         1838           0         0         850         850         0         364           0         0         1534         1534         0         59           0         0         380         380 |  |  |  |  |  |





Zone 5 is a pistachio orchard where aerial NOW SIT releases were conducted. A total of **72** traps were collected from Zone 5 on <u>Monday</u>, <u>November 8</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

A total of **72** traps were collected from Zone 5 on <u>Monday</u>, <u>November 15</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

A total of **72** traps were collected from Zone 5 on <u>Monday, November 22</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

A total of **72** traps were collected from Zone 5 on <u>Monday, November 29</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

A total of **72** traps were collected from Zone 5 on <u>Monday</u>, <u>December 6</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

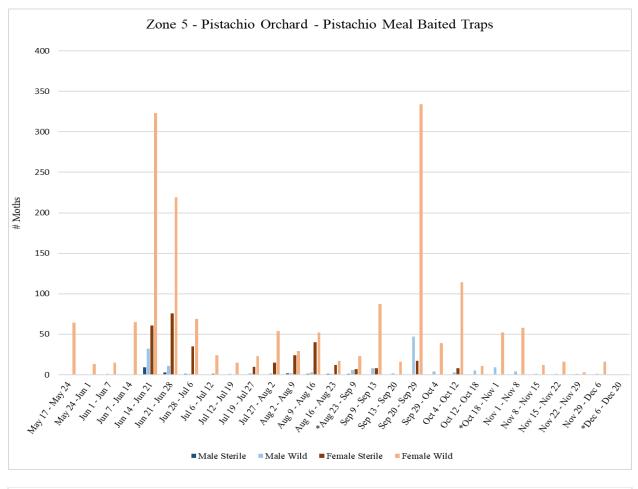
No traps were collected in Zone 5 during the week of <u>December 17</u> due to severe weather on site.

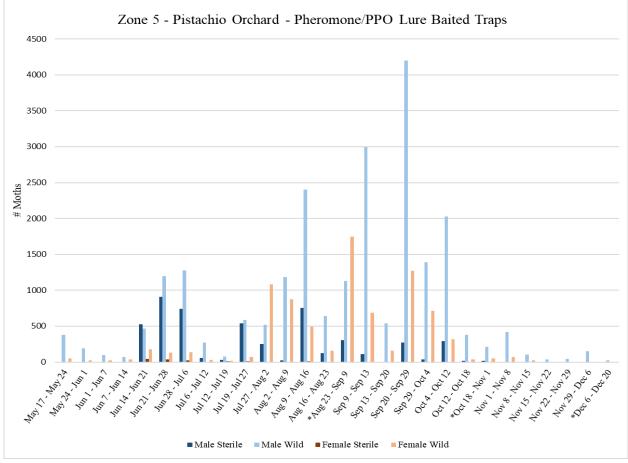
A total of **72** traps were collected from Zone 5 on <u>Monday</u>, <u>December 20</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

|                              |                  | Zo      | ne 5 - Pi  | stachio     |         |        |        |
|------------------------------|------------------|---------|------------|-------------|---------|--------|--------|
|                              |                  | Pistac  | hio Meal B | aited Traps |         |        |        |
|                              | # of<br>Releases |         |            |             |         |        |        |
| Dates Traps in               | During Trap      | Male    | Male       | Male        | Female  | Female | Female |
| Field                        | Period           | Sterile | Wild       | Total       | Sterile | Wild   | Total  |
| May 17 - May 24              | 0                | 0       | 0          | 0           | 0       | 64     | 64     |
| May 24 -Jun 1                | 0                | 0       | 0          | 0           | 0       | 13     | 13     |
| Jun 1 - Jun 7                | 0                | 0       | 1          | 1           | 0       | 15     | 15     |
| Jun 7 - Jun 14               | 0                | 0       | 0          | 0           | 0       | 65     | 65     |
| Jun 14 - Jun 21              | 4                | 9       | 32         | 41          | 61      | 323    | 384    |
| Jun 21 - Jun 28              | 6                | 3       | 11         | 14          | 76      | 219    | 295    |
| Jun 28 - Jul 6               | 6                | 1       | 1          | 2           | 35      | 69     | 104    |
| Jul 6 - Jul 12               | 3                | 0       | 0          | 0           | 1       | 24     | 25     |
| Jul 12 - Jul 19              | 6                | 0       | 1          | 1           | 0       | 15     | 15     |
| Jul 19 - Jul 27              | 7                | 0       | 2          | 2           | 10      | 23     | 33     |
| Jul 27 - Aug 2               | 5                | 0       | 2          | 2           | 15      | 54     | 69     |
| Aug 2 - Aug 9                | 6                | 2       | 2          | 4           | 24      | 29     | 53     |
| Aug 9 - Aug 16               | ^6               | 1       | 3          | 4           | 40      | 52     | 92     |
| Aug 16 - Aug 23              | ^6               | 1       | 1          | 2           | 12      | 17     | 29     |
| *Aug 23 - Sep 9              | ^11              | 1       | 6          | 7           | 7       | 23     | 30     |
| Sep 9 - Sep 13               | 0                | 0       | 8          | 8           | 8       | 87     | 95     |
| <sup>1</sup> Sep 13 - Sep 20 | 3                | 0       | 2          | 2           | 0       | 16     | 16     |
| Sep 20 - Sep 29              | 6                | 0       | 47         | 47          | 17      | 334    | 351    |
| Sep 29 - Oct 4               | 3                | 0       | 4          | 4           | 0       | 39     | 39     |
| Oct 4 - Oct 12               | 7                | 0       | 3          | 3           | 8       | 114    | 122    |
| Oct 12 - Oct 18              | 4                | 0       | 5          | 5           | 0       | 11     | 11     |
| *Oct 18 - Nov 1              | 0                | 0       | 9          | 9           | 0       | 52     | 52     |
| Nov 1 - Nov 8                | 0                | 0       | 4          | 4           | 0       | 58     | 58     |
| Nov 8 - Nov 15               | 0                | 0       | 1          | 1           | 0       | 12     | 12     |
| Nov 15 - Nov 22              | 0                | 0       | 1          | 1           | 0       | 16     | 16     |
| Nov 22 - Nov 29              | 0                | 0       | 1          | 1           | 0       | 3      | 3      |

| Nov 29 - Dec 6  | 0   | 0 | 1 | 1 | 0 | 16 | 16 |  |  |  |  |
|-----------------|---|---|---|---|---|----|----|--|--|--|--|
| *Dec 6 - Dec 20 | 0   | 0 | 0 | 0 | 0 | 0  | 0  |  |  |  |  |
|                 |   |   |   |   |   |    |    |  |  |  |  |
|                 | ^Extra moths from Mag 2 released over Zone 5 on select Thursdays              |   |   |   |   |    |    |  |  |  |  |
|                 | *All traps in field for two weeks   |   |   |   |   |    |    |  |  |  |  |
|                 | <sup>1</sup> Only 6 of the 36 traps serviced this week due to staffing issues |   |   |   |   |    |    |  |  |  |  |

|                                    |   | Zo              | ne 5 - Pis   | stachio      |                   |                |                 |
|------------------------------------|---|-----------------|--------------|--------------|-------------------|----------------|-----------------|
|                                    |   | Pheromor        | ne/PPO Lur   | e Baited Tra | aps               |                |                 |
| Dates Traps in                     | # of<br>Releases<br>During Trap<br>Period | Male<br>Sterile | Male<br>Wild | Male         | Female<br>Sterile | Female<br>Wild | Female<br>Total |
| Field                              | 0   | 0               | 381          | Total<br>381 |                   |                | 50              |
| May 17 - May 24                    | 0   | 0               | 188          | 188          | 0                 | 50<br>26       | 26              |
| May 24 - Jun 1                     | 0   | -               |              |              | 0                 | 20             | 20              |
| Jun 1 - Jun 7<br>Jun 7 - Jun 14    | 0   | 0               | 100<br>70    | 100<br>70    | 0                 | 38             | 38              |
|                                    | 4   | 525             | 467          | 992          | 44                | 176            | 220             |
| Jun 14 - Jun 21                    |   |                 |              |              |                   |                |                 |
| Jun 21 - Jun 28<br>Jun 28 - Jul 6  | 6   | 907             | 1198<br>1274 | 2105<br>2013 | 37                | 132            | 169             |
| Jul 28 - Jul 8<br>Jul 6 - Jul 12   | 6 3                                       | 739<br>57       | 271          | 328          | 21<br>2           | 136<br>33      | 157<br>35       |
|                                    | 5<br>6                                    | 27              | 75           | 102          | 7                 | 17             | 24              |
| Jul 12 - Jul 19                    | 7   | 540             | 585          | 102          | 9                 | 69             | 78              |
| Jul 19 - Jul 27                    | 5   | 252             | 585          | 773          | 4                 | 1085           | 1089            |
| Jul 27 - Aug 2                     | 6   | 232             | 1185         | 1209         | 4                 | 875            | 879             |
| Aug 2 - Aug 9                      | 0<br>^6                                   | 756             | 2403         | 3159         | 8                 | 490            | 498             |
| Aug 9 - Aug 16                     | ^6  | 125             | 640          | 765          | <u> </u>          | 159            | 163             |
| Aug 16 - Aug 23<br>*Aug 23 - Sep 9 | ^11                                       | 304             | 1129         | 1433         | 5                 | 1748           | 1753            |
| Sep 9 - Sep 13                     | 0   | 111             | 2992         | 3103         | 3                 | 687            | 690             |
| <b>.</b>                           | 3   | 2               | 542          | 544          | 0                 | 160            | 160             |
| <sup>1</sup> Sep 13 - Sep 20       | <u> </u>                                  | 274             | 4202         | 4476         | 4                 | 1272           | 1276            |
| Sep 20 - Sep 29                    | 3   | 38              | 1394         | 1432         | 0                 | 715            | 715             |
| Sep 29 - Oct 4<br>Oct 4 - Oct 12   | <u> </u>                                  | <u> </u>        | 2026         | 2320         | 0                 | 316            | 316             |
| Oct 12 - Oct 12<br>Oct 12 - Oct 18 | 4   | 19              | 378          | 397          | 0                 | 40             | 40              |
| *Oct 12 - Oct 18                   | 0   | 19              | 210          | 227          | 0                 | 53             | 53              |
| Nov 1 - Nov 8                      | 0   | 3               | 421          | 424          | 0                 | 70             | 70              |
| Nov 8 - Nov 15                     | 0   | 0               | 105          | 105          | 0                 | 24             | 24              |
| Nov 15 - Nov 22                    | 0   | 0               | 37           | 37           | 0                 | 3              | 3               |
| Nov 13 - Nov 22<br>Nov 22 - Nov 29 | 0   | 0               | 44           | 44           | 0                 | 3              | 3               |
| Nov 29 - Dec 6                     | 0   | 0               | 152          | 152          | 0                 | 4              | 4               |
| *Dec 6 - Dec 20                    | 0   | 0               | 25           | 25           | 0                 | 0              |                 |
|                                    | ~   | v               |              |              |                   |                | , v             |
|                                    | ^Extra moths                              | from Mag 2      | released or  | ver Zone 5 c | on select Thurs   | davs           | 1               |
|                                    | 2.nuu motilis                             | 0               |              | or two weel  |                   | <i>aa</i> , 0  |                 |
|                                    | <sup>1</sup> Only 6 of 1                  |                 |              |              | to staffing issu  | es             |                 |





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

A total of **18** traps were collected from Zone 6 on <u>Tuesday, November 16</u>, with **9** pistachio meal baited traps and **9** pheromone/PPO lure traps.

A total of **18** traps were collected from Zone 6 on <u>Tuesday</u>, <u>November 23</u>, with **9** pistachio meal baited traps and **9** pheromone/PPO lure traps.

A total of **18** traps were collected from Zone 6 on <u>Tuesday</u>, <u>November 30</u>, with **9** pistachio meal baited traps and **9** pheromone/PPO lure traps.

A total of **18** traps were collected from Zone 6 on <u>Tuesday</u>, <u>December 7</u>, with **9** pistachio meal baited traps and **9** pheromone/PPO lure traps.

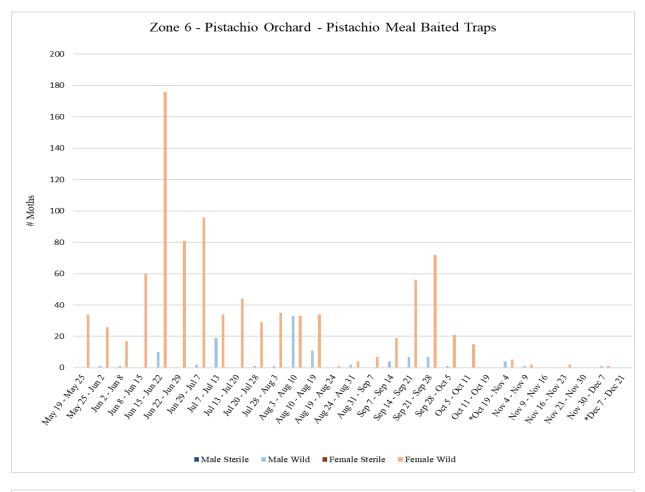
No traps were collected from Zone 6 during the week of <u>December 17</u> due to severe weather on site.

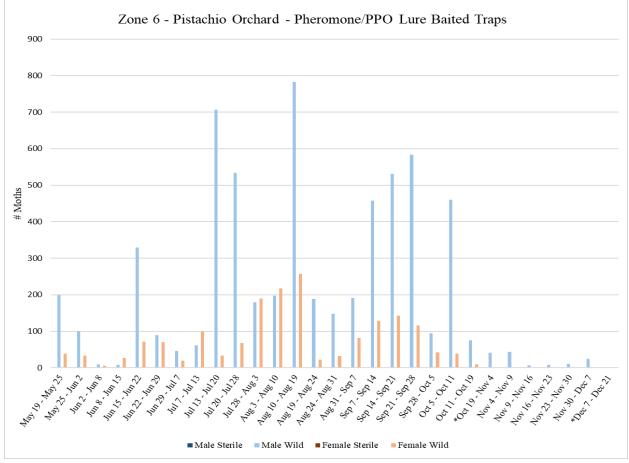
A total of **18** traps were collected from Zone 6 on <u>Tuesday</u>, <u>December 21</u>, with **9** pistachio meal baited traps and **9** pheromone/PPO lure traps.

|                 |                             | Zo      | ne 6 - Pis | stachio |         |        |        |  |  |  |  |  |
|-----------------|-----------------------------|---------|------------|---------|---------|--------|--------|--|--|--|--|--|
|                 | Pistachio Meal Baited Traps |         |            |         |         |        |        |  |  |  |  |  |
|                 | # of<br>Releases            |         |            |         |         |        |        |  |  |  |  |  |
| Dates Traps in  | During Trap                 | Male    | Male       | Male    | Female  | Female | Female |  |  |  |  |  |
| Field           | Period                      | Sterile | Wild       | Total   | Sterile | Wild   | Total  |  |  |  |  |  |
| May 19 - May 25 | 0                           | 0       | 0          | 0       | 0       | 34     | 34     |  |  |  |  |  |
| May 25 - Jun 2  | 0                           | 0       | 1          | 1       | 0       | 26     | 26     |  |  |  |  |  |
| Jun 2 - Jun 8   | 0                           | 0       | 1          | 1       | 0       | 17     | 17     |  |  |  |  |  |
| Jun 8 - Jun 15  | 0                           | 0       | 0          | 0       | 0       | 60     | 60     |  |  |  |  |  |
| Jun 15 - Jun 22 | 0                           | 0       | 10         | 10      | 0       | 176    | 176    |  |  |  |  |  |
| Jun 22 - Jun 29 | 0                           | 0       | 0          | 0       | 0       | 81     | 81     |  |  |  |  |  |
| Jun 29 - Jul 7  | 0                           | 0       | 2          | 2       | 0       | 96     | 96     |  |  |  |  |  |
| Jul 7 - Jul 13  | 0                           | 0       | 19         | 19      | 0       | 34     | 34     |  |  |  |  |  |
| Jul 13 - Jul 20 | 0                           | 0       | 0          | 0       | 0       | 44     | 44     |  |  |  |  |  |
| Jul 20 - Jul 28 | 0                           | 0       | 1          | 1       | 0       | 29     | 29     |  |  |  |  |  |
| Jul 28 - Aug 3  | 0                           | 0       | 1          | 1       | 0       | 35     | 35     |  |  |  |  |  |
| Aug 3 - Aug 10  | 0                           | 0       | 33         | 33      | 0       | 33     | 33     |  |  |  |  |  |
| Aug 10 - Aug 19 | 0                           | 0       | 11         | 11      | 0       | 34     | 34     |  |  |  |  |  |
| Aug 19 - Aug 24 | 0                           | 0       | 0          | 0       | 0       | 1      | 1      |  |  |  |  |  |
| Aug 24 - Aug 31 | 0                           | 0       | 2          | 2       | 0       | 4      | 4      |  |  |  |  |  |
| Aug 31 - Sep 7  | 0                           | 0       | 0          | 0       | 0       | 7      | 7      |  |  |  |  |  |
| Sep 7 - Sep 14  | 0                           | 0       | 4          | 4       | 0       | 19     | 19     |  |  |  |  |  |
| Sep 14 - Sep 21 | 0                           | 0       | 7          | 7       | 0       | 56     | 56     |  |  |  |  |  |
| Sep 21 - Sep 28 | 0                           | 0       | 7          | 7       | 0       | 72     | 72     |  |  |  |  |  |
| Sep 28 - Oct 5  | 0                           | 0       | 1          | 1       | 0       | 21     | 21     |  |  |  |  |  |
| Oct 5 - Oct 11  | 0                           | 0       | 0          | 0       | 0       | 15     | 15     |  |  |  |  |  |
| Oct 11 - Oct 19 | 0                           | 0       | 0          | 0       | 0       | 0      | 0      |  |  |  |  |  |
| *Oct 19 - Nov 4 | 0                           | 0       | 4          | 4       | 0       | 5      | 5      |  |  |  |  |  |
| Nov 4 - Nov 9   | 0                           | 0       | 1          | 1       | 0       | 2      | 2      |  |  |  |  |  |
| Nov 9 - Nov 16  | 0                           | 0       | 0          | 0       | 0       | 0      | 0      |  |  |  |  |  |
| Nov 16 - Nov 23 | 0                           | 0       | 0          | 0       | 0       | 2      | 2      |  |  |  |  |  |

| Nov 23 - Nov 30 | 0                                 | 0 | 0 | 0 | 0 | 0 | 0 |  |  |  |  |  |
|-----------------|-----------------------------------|---|---|---|---|---|---|--|--|--|--|--|
| Nov 30 - Dec 7  | 0                                 | 0 | 1 | 1 | 0 | 1 | 1 |  |  |  |  |  |
| *Dec 7 - Dec 21 | 0                                 | 0 | 0 | 0 | 0 | 0 | 0 |  |  |  |  |  |
|                 |                                   |   |   |   |   |   |   |  |  |  |  |  |
|                 | *All traps in field for two weeks |   |   |   |   |   |   |  |  |  |  |  |

| Pheromone/PPO Lure Baited Traps# ofImage: Second Sec |                 |        | Zo        | ne 6 - Pis    | stachio    |         |        |        |
|---|-----------------|--------|-----------|---------------|------------|---------|--------|--------|
| Bates Traps in<br>Field         Releases<br>During Trap         Male<br>Sterile         Male<br>Wild         Male<br>Total         Female<br>Sterile         Female<br>Wild         Female<br>Total           May 19 - May 25         0         0         198         198         0         39         39           May 25 - Jun 2         0         0         100         100         0         33         33           Jun 2 - Jun 8         0         0         10         10         0         6         6           Jun 8 - Jun 15         0         0         8         8         0         27         27           Jun 15 - Jun 22         0         0         329         329         0         72         72           Jun 2 - Jun 29         0         0         46         46         0         20         20           Jul 7 - Jul 13         0         0         62         62         0         99         99           Jul 13 - Jul 20         0         0         707         70         34         34           Jul 20 - Jul 28         0         0         717         717         0         217         217           Aug 10 - Aug 19         0         0 <t< th=""><th></th><th></th><th></th><th></th><th></th><th>aps</th><th></th><th></th></t<>   |                 |        |           |               |            | aps     |        |        |
| FieldPeriodSterileWildTotalSterileWildTotalMay 19 - May 250019819803939May 25 - Jun 20010010003333Jun 2 - Jun 800100100066Jun 40032932907272Jun 15 - Jun 220032932907272Jun 22 - Jun 2900909007070Jun 29 - Jul 700464602020Jul 7 - Jul 1300626209999Jul 13 - Jul 200070770703434Jul 20 - Jul 280053453406868Jul 28 - Aug 3001791790190190Aug 10 - Aug 19007837830227227Aug 10 - Aug 19014814803232Aug 24 - Aug 310014814803232Sep 7 - Sep 14005315310143143Sep 21 - Sep 28005835830116116Sep 24 - Sep 140044444011Nov 4 - Nov 9007701   |                 |        |           |               |            |         |        |        |
| May 19 - May 250019819803939May 25 - Jun 20010010003333Jun 2 - Jun 8001010066Jun 8 - Jun 15008802727Jun 15 - Jun 220032932907272Jun 22 - Jun 2900909007070Jun 29 - Jul 700464602020Jul 17 - Jul 1300626209999Jul 13 - Jul 200070770703434Jul 20 - Jul 280053453406868Jul 28 - Aug 3001791970190190Aug 3 - Aug 10007837830227227Aug 10 - Aug 19007837830227227Aug 24 - Aug 310014814803232Aug 31 - Sep 70019119108282Sep 7 - Sep 14004584580129129Sep 14 - Sep 28005315310143143Sep 21 - Sep 28005835830116116Nov 4 - Nov 400444011 <td>Dates Traps in</td> <td></td> <td>Male</td> <td>Male</td> <td>Male</td> <td>Female</td> <td>Female</td> <td>Female</td>  | Dates Traps in  |        | Male      | Male          | Male       | Female  | Female | Female |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $  | Field           | Period | Sterile   | Wild          | Total      | Sterile | Wild   | Total  |
| Jun 2 - Jun 8001010066Jun 8 - Jun 15008802727Jun 15 - Jun 220032932907272Jun 22 - Jun 2900909007070Jun 29 - Jul 700464602020Jul 7 - Jul 1300626209999Jul 13 - Jul 200070770703434Jul 20 - Jul 280053453406868Jul 28 - Aug 3001791790190190Aug 3 - Aug 10001871830257257Aug 10 - Aug 190018918902222Aug 24 - Aug 310019119108282Sep 7 - Sep 14004584580129129Sep 14 - Sep 21005835830116116Sep 21 - Sep 28005835830116116Sep 21 - Sep 280046046003838Oct 1 - Oct 1900777011Nov 4 - Nov 9004444011Nov 4 - Nov 9002424011<   | May 19 - May 25 | 0      | 0         | 198           | 198        | 0       | 39     | 39     |
| Jun 8 - Jun 15008802727Jun 15 - Jun 220032932907272Jun 22 - Jun 2900909007070Jun 29 - Jul 700464602020Jul 7 - Jul 1300626209999Jul 3 - Jul 200070770703434Jul 20 - Jul 280053453406868Jul 28 - Aug 3001791790190190Aug 3 - Aug 10001971970217217Aug 19 - Aug 240018918902222Aug 24 - Aug 310014814803232Aug 31 - Sep 70019119108282Sep 7 - Sep 14004584580129129Sep 14 - Sep 28005835830116116Sep 28 - Oct 500949404242Oct 5 - Oct 11004444011Nov 4 - Nov 9004444011Nov 4 - Nov 30001111000Nov 30 - Dec 7002424011  | May 25 - Jun 2  | 0      | 0         | 100           | 100        | 0       | 33     | 33     |
| Jun 15 - Jun 220032932907272Jun 22 - Jun 29000909007070Jun 29 - Jul 700464602020Jul 7 - Jul 1300626209999Jul 13 - Jul 200070770703434Jul 20 - Jul 280053453406868Jul 28 - Aug 3001791790190190Aug 3 - Aug 10001971970217217Aug 10 - Aug 190018918902222Aug 24 - Aug 310014814803232Aug 31 - Sep 70019119108282Sep 7 - Sep 14004584580129129Sep 14 - Sep 21005835830116116Sep 28 - Oct 500949404242Oct 1 - Oct 19007676099 $\sim Vot 16$ - Nov 23004444011Nov 4 - Nov 90011111Nov 2300Nov 30 - Dec 7002424011Nov 23 - Nov 30002424 <td< td=""><td>Jun 2 - Jun 8</td><td>0</td><td>0</td><td>10</td><td>10</td><td>0</td><td>6</td><td>6</td></td<>   | Jun 2 - Jun 8   | 0      | 0         | 10            | 10         | 0       | 6      | 6      |
| Jun 22 - Jun 2900909007070Jun 29 - Jul 700464602020Jul 7 - Jul 1300626209999Jul 13 - Jul 200070770703434Jul 20 - Jul 280053453406868Jul 28 - Aug 3001791790190190Aug 3 - Aug 10001971970217217Aug 10 - Aug 19007837830257257Aug 19 - Aug 240018918902222Aug 24 - Aug 310014814803232Aug 31 - Sep 70019119108282Sep 7 - Sep 14004584580129129Sep 14 - Sep 21005835830116116Sep 28 - Oct 500949404242Oct 5 - Oct 110046046003838Oct 19 - Nov 40077011Nov 4 - Nov 90077011Nov 16 - Nov 23002424011Nov 30 - Dec 7002424000<   | Jun 8 - Jun 15  | 0      | 0         | 8             | 8          | 0       | 27     | 27     |
| Jun 29 - Jul 700464602020Jul 7 - Jul 1300626209999Jul 13 - Jul 200070770703434Jul 20 - Jul 280053453406868Jul 28 - Aug 3001791790190190Aug 3 - Aug 10001971970217217Aug 10 - Aug 19007837830257257Aug 19 - Aug 240018918902222Aug 24 - Aug 310014814803232Aug 31 - Sep 70019119108282Sep 7 - Sep 14005315310143143Sep 21 - Sep 28005835830116116Sep 28 - Oct 50094940424242Oct 5 - Oct 110046046003838Oct 19 - Nov 4004141011Nov 4 - Nov 900777011Nov 23 - Nov 30001111000Nov 23 - Nov 30002424011Nov 23 - Nov 3000242400 <td>Jun 15 - Jun 22</td> <td>0</td> <td>0</td> <td>329</td> <td>329</td> <td>0</td> <td>72</td> <td>72</td>   | Jun 15 - Jun 22 | 0      | 0         | 329           | 329        | 0       | 72     | 72     |
| Jul 7 - Jul 1300626209999Jul 13 - Jul 200070770703434Jul 20 - Jul 280053453406868Jul 28 - Aug 3001791790190190Aug 3 - Aug 10001971970217217Aug 10 - Aug 19007837830257257Aug 19 - Aug 240018918902222Aug 24 - Aug 310014814803232Aug 31 - Sep 70019119108282Sep 7 - Sep 14004584580129129Sep 14 - Sep 21005315310143143Sep 21 - Sep 28005835830116116Sep 28 - Oct 500949404242Oct 5 - Oct 110046046003838Oct 19 - Nov 4004141011Nov 4 - Nov 90077011Nov 4 - Nov 90011111Nov 23 - Nov 30001111Nov 23 - Nov 30002424011*Dec 7 - Dec 21<   | Jun 22 - Jun 29 | 0      | 0         | 90            | 90         | 0       | 70     | 70     |
| Jul 13 - Jul 20         0         0         707         707         0         34         34           Jul 20 - Jul 28         0         0         534         534         0         68         68           Jul 28 - Aug 3         0         0         179         179         0         190         190           Aug 3 - Aug 10         0         0         197         197         0         217         217           Aug 10 - Aug 19         0         0         783         783         0         227         22           Aug 19 - Aug 24         0         0         189         189         0         22         22           Aug 31 - Sep 7         0         0         148         148         0         32         32           Sep 7 - Sep 14         0         0         458         458         0         129         129           Sep 14 - Sep 21         0         0         531         531         0         143         143           Sep 21 - Sep 28         0         0         583         583         0         116         116           Sep 21 - Sep 28         0         0         76         76  | Jun 29 - Jul 7  | 0      | 0         | 46            | 46         | 0       | 20     | 20     |
| Jul 20 - Jul 28         0         0         534         534         0         68         68           Jul 28 - Aug 3         0         0         179         179         0         190         190           Aug 3 - Aug 10         0         0         197         197         0         217         217           Aug 10 - Aug 19         0         0         783         783         0         257         257           Aug 19 - Aug 24         0         0         189         189         0         22         22           Aug 24 - Aug 31         0         0         148         148         0         32         32           Aug 31 - Sep 7         0         0         191         191         0         82         82           Sep 7 - Sep 14         0         0         458         458         0         129         129           Sep 14 - Sep 21         0         0         583         583         0         116         116           Sep 21 - Sep 28         0         0         583         583         0         116         116           Sep 28 - Oct 5         0         0         76         76  | Jul 7 - Jul 13  | 0      | 0         | 62            | 62         | 0       | 99     | 99     |
| Jul 28 - Aug 3         0         0         179         179         0         190         190           Aug 3 - Aug 10         0         0         197         197         0         217         217           Aug 10 - Aug 19         0         0         783         783         0         257         257           Aug 19 - Aug 24         0         0         189         189         0         22         22           Aug 24 - Aug 31         0         0         148         148         0         32         32           Aug 31 - Sep 7         0         0         191         191         0         82         82           Sep 7 - Sep 14         0         0         458         458         0         129         129           Sep 14 - Sep 21         0         0         531         531         0         143         143           Sep 21 - Sep 28         0         0         583         583         0         116         116           Sep 28 - Oct 5         0         0         94         94         0         42         42           Oct 5 - Oct 11         0         0         4460         44   | Jul 13 - Jul 20 | 0      | 0         | 707           | 707        | 0       | 34     | 34     |
| Aug 3 - Aug 10       0       0       197       197       0       217       217         Aug 10 - Aug 19       0       0       783       783       0       257       257         Aug 19 - Aug 24       0       0       189       189       0       22       22         Aug 24 - Aug 31       0       0       148       148       0       32       32         Aug 31 - Sep 7       0       0       191       191       0       82       82         Sep 7 - Sep 14       0       0       458       458       0       129       129         Sep 14 - Sep 21       0       0       531       531       0       143       143         Sep 21 - Sep 28       0       0       583       583       0       116       116         Sep 28 - Oct 5       0       0       94       94       0       42       42         Oct 5 - Oct 11       0       0       460       460       0       38       38         Oct 19 - Nov 4       0       0       7       7       0       1       1         Nov 4 - Nov 9       0       0       7       7       <   | Jul 20 - Jul 28 | 0      | 0         | 534           | 534        | 0       | 68     | 68     |
| Aug 10 - Aug 19       0       0       783       783       0       257       257         Aug 19 - Aug 24       0       0       189       189       0       22       22         Aug 24 - Aug 31       0       0       148       148       0       32       32         Aug 31 - Sep 7       0       0       191       191       0       82       82         Sep 7 - Sep 14       0       0       458       458       0       129       129         Sep 7 - Sep 14       0       0       531       531       0       143       143         Sep 14 - Sep 21       0       0       583       583       0       116       116         Sep 21 - Sep 28       0       0       583       583       0       116       116         Sep 28 - Oct 5       0       0       94       94       0       42       42         Oct 5 - Oct 11       0       0       460       460       0       38       38         Oct 19 - Nov 4       0       0       7       7       0       1       1         Nov 4 - Nov 9       0       0       7       7       <   | Jul 28 - Aug 3  | 0      | 0         | 179           | 179        | 0       | 190    | 190    |
| Aug 19 - Aug 24         0         0         189         189         0         22         22           Aug 24 - Aug 31         0         0         148         148         0         32         32           Aug 31 - Sep 7         0         0         191         191         0         82         82           Sep 7 - Sep 14         0         0         458         458         0         129         129           Sep 14 - Sep 21         0         0         531         531         0         143         143           Sep 21 - Sep 28         0         0         583         583         0         116         116           Sep 28 - Oct 5         0         0         94         94         0         42         42           Oct 5 - Oct 11         0         0         460         460         0         38         38           Oct 11 - Oct 19         0         0         76         76         0         9         9           *Oct 19 - Nov 4         0         0         7         7         0         1         1           Nov 4 - Nov 9         0         0         7         7         0         <   | Aug 3 - Aug 10  | 0      | 0         | 197           | 197        | 0       | 217    | 217    |
| Aug 24 - Aug 31       0       0       148       148       0       32       32         Aug 31 - Sep 7       0       0       191       191       0       82       82         Sep 7 - Sep 14       0       0       458       458       0       129       129         Sep 14 - Sep 21       0       0       531       531       0       143       143         Sep 14 - Sep 21       0       0       583       583       0       116       116         Sep 21 - Sep 28       0       0       583       583       0       116       116         Sep 28 - Oct 5       0       0       94       94       0       42       42         Oct 5 - Oct 11       0       0       460       460       0       38       38         Oct 11 - Oct 19       0       0       441       41       0       1       1         Nov 4 - Nov 9       0       0       444       44       0       1       1         Nov 16 - Nov 23       0       0       7       7       0       1       1         Nov 30 - Dec 7       0       0       24       24       0<   | Aug 10 - Aug 19 | 0      | 0         | 783           | 783        | 0       | 257    | 257    |
| Aug 31 - Sep 7       0       0       191       191       0       82       82         Sep 7 - Sep 14       0       0       458       458       0       129       129         Sep 14 - Sep 21       0       0       531       531       0       143       143         Sep 14 - Sep 21       0       0       583       583       0       116       116         Sep 28 - Oct 5       0       0       94       94       0       42       42         Oct 5 - Oct 11       0       0       460       460       0       38       38         Oct 19 - Nov 4       0       0       441       41       0       1       1         Nov 4 - Nov 9       0       0       44       44       0       1       1         Nov 4 - Nov 9       0       0       7       7       0       1       1         Nov 4 - Nov 9       0       0       8       8       0       1       1         Nov 16 - Nov 23       0       0       8       8       0       1       1         Nov 30 - Dec 7       0       0       2       0       0       0  | Aug 19 - Aug 24 | 0      | 0         | 189           | 189        | 0       | 22     | 22     |
| Sep 7 - Sep 14         0         0         458         458         0         129         129           Sep 14 - Sep 21         0         0         531         531         0         143         143           Sep 21 - Sep 28         0         0         583         583         0         116         116           Sep 28 - Oct 5         0         0         94         94         0         42         42           Oct 5 - Oct 11         0         0         460         460         0         38         38           Oct 11 - Oct 19         0         0         76         76         0         9         9           *Oct 19 - Nov 4         0         0         444         44         0         1         1           Nov 4 - Nov 9         0         0         7         7         0         1         1           Nov 4 - Nov 9         0         0         7         7         0         1         1           Nov 16 - Nov 23         0         0         8         8         0         1         1           Nov 30 - Dec 7         0         0         24         24         0         1  | Aug 24 - Aug 31 | 0      | 0         | 148           | 148        | 0       | 32     | 32     |
| Sep 14 - Sep 21       0       0       531       531       0       143       143         Sep 21 - Sep 28       0       0       583       583       0       116       116         Sep 28 - Oct 5       0       0       94       94       0       42       42         Oct 5 - Oct 11       0       0       460       460       0       38       38         Oct 11 - Oct 19       0       0       76       76       0       9       9         *Oct 19 - Nov 4       0       0       44       44       0       1       1         Nov 4 - Nov 9       0       0       7       7       0       1       1         Nov 9 - Nov 16       0       0       7       7       0       1       1         Nov 16 - Nov 23       0       0       8       8       0       1       1         Nov 30 - Dec 7       0       0       24       24       0       1       1         *Dec 7 - Dec 21       0       0       2       2       0       0       0   | Aug 31 - Sep 7  | 0      | 0         | 191           | 191        | 0       | 82     | 82     |
| Sep 21 - Sep 28         0         0         583         583         0         116         116           Sep 28 - Oct 5         0         0         94         94         0         42         42           Oct 5 - Oct 11         0         0         460         460         0         38         38           Oct 5 - Oct 11         0         0         76         76         0         9         9           *Oct 19 - Nov 4         0         0         41         41         0         1         1           Nov 4 - Nov 9         0         0         77         7         0         1         1           Nov 16 - Nov 23         0         0         8         8         0         1         1           Nov 23 - Nov 30         0         0         11         11         1         0         0         0           Nov 30 - Dec 7         0         0         24         24         0         1         1           *Dec 7 - Dec 21         0         0         2         2         0         0         0  | Sep 7 - Sep 14  | 0      | 0         | 458           | 458        | 0       | 129    | 129    |
| Sep 28 - Oct 5       0       0       94       94       0       42       42         Oct 5 - Oct 11       0       0       460       460       0       38       38         Oct 11 - Oct 19       0       0       76       76       0       9       9         *Oct 19 - Nov 4       0       0       41       41       0       1       1         Nov 4 - Nov 9       0       0       44       44       0       1       1         Nov 4 - Nov 9       0       0       7       7       0       1       1         Nov 9 - Nov 16       0       0       7       7       0       1       1         Nov 16 - Nov 23       0       0       8       8       0       1       1         Nov 23 - Nov 30       0       0       11       11       0       0       0         *Dec 7 - Dec 21       0       0       2       2       0       0       0  | Sep 14 - Sep 21 | 0      | 0         | 531           | 531        | 0       | 143    | 143    |
| Oct 5 - Oct 11       0       0       460       460       0       38       38         Oct 11 - Oct 19       0       0       76       76       0       9       9         *Oct 19 - Nov 4       0       0       41       41       0       1       1         Nov 4 - Nov 9       0       0       44       44       0       1       1         Nov 4 - Nov 9       0       0       7       7       0       1       1         Nov 9 - Nov 16       0       0       7       7       0       1       1         Nov 16 - Nov 23       0       0       8       8       0       1       1         Nov 23 - Nov 30       0       0       24       24       0       1       1         *Dec 7       0       0       24       24       0       1       1         *Dec 7 - Dec 21       0       0       2       2       0       0       0  | Sep 21 - Sep 28 | 0      | 0         | 583           | 583        | 0       | 116    | 116    |
| Oct 11 - Oct 19       0       0       76       76       0       9       9         *Oct 19 - Nov 4       0       0       41       41       0       1       1         Nov 4 - Nov 9       0       0       44       44       0       1       1         Nov 4 - Nov 9       0       0       77       7       0       1       1         Nov 9 - Nov 16       0       0       77       7       0       1       1         Nov 16 - Nov 23       0       0       8       8       0       1       1         Nov 23 - Nov 30       0       0       24       24       0       1       1         Nov 30 - Dec 7       0       0       24       24       0       1       1         *Dec 7 - Dec 21       0       0       2       2       0       0       0   | Sep 28 - Oct 5  | 0      | 0         | 94            | 94         | 0       | 42     | 42     |
| *Oct 19 - Nov 4       0       0       41       41       0       1       1         Nov 4 - Nov 9       0       0       44       44       0       1       1         Nov 4 - Nov 9       0       0       44       44       0       1       1         Nov 9 - Nov 16       0       0       7       7       0       1       1         Nov 16 - Nov 23       0       0       8       8       0       1       1         Nov 23 - Nov 30       0       0       11       11       0       0       0         Nov 30 - Dec 7       0       0       24       24       0       1       1         *Dec 7 - Dec 21       0       0       2       2       0       0       0   | Oct 5 - Oct 11  | 0      | 0         | 460           | 460        | 0       | 38     | 38     |
| Nov 4 - Nov 9         0         0         44         44         0         1         1           Nov 9 - Nov 16         0         0         7         7         0         1         1           Nov 16 - Nov 23         0         0         8         8         0         1         1           Nov 23 - Nov 30         0         0         11         11         0         0         0           Nov 23 - Nov 30         0         0         11         11         10         0         0           Nov 30 - Dec 7         0         0         24         24         0         1         1           *Dec 7 - Dec 21         0         0         2         2         0         0         0  | Oct 11 - Oct 19 | 0      | 0         | 76            | 76         | 0       | 9      | 9      |
| Nov 9 - Nov 16         0         0         7         7         0         1         1           Nov 16 - Nov 23         0         0         8         8         0         1         1           Nov 16 - Nov 23         0         0         8         8         0         1         1           Nov 23 - Nov 30         0         0         11         11         0         0         0           Nov 30 - Dec 7         0         0         24         24         0         1         1           *Dec 7 - Dec 21         0         0         2         2         0         0         0   | *Oct 19 - Nov 4 | 0      | 0         | 41            | 41         | 0       | 1      | 1      |
| Nov 16 - Nov 23         0         0         8         8         0         1         1           Nov 23 - Nov 30         0         0         11         11         0         0         0           Nov 30 - Dec 7         0         0         24         24         0         1         1           *Dec 7 - Dec 21         0         0         2         2         0         0         0  | Nov 4 - Nov 9   | 0      | 0         | 44            | 44         | 0       | 1      | 1      |
| Nov 23 - Nov 30         0         0         11         11         0         0         0           Nov 30 - Dec 7         0         0         24         24         0         1         1           *Dec 7 - Dec 21         0         0         2         2         0         0         0  | Nov 9 - Nov 16  | 0      | 0         | 7             | 7          | 0       | 1      | 1      |
| Nov 30 - Dec 7         0         0         24         24         0         1         1           *Dec 7 - Dec 21         0         0         2         2         0         0         0  | Nov 16 - Nov 23 | 0      | 0         | 8             | 8          | 0       | 1      | 1      |
| *Dec 7 - Dec 21 0 0 2 2 0 0 0 0   | Nov 23 - Nov 30 | 0      | 0         | 11            | 11         | 0       | 0      | 0      |
|   | Nov 30 - Dec 7  | 0      |           | 24            |            | 0       | 1      | 1      |
| *All trans in field for two weeks   | *Dec 7 - Dec 21 | 0      | 0         | 2             | 2          | 0       | 0      | 0      |
|   |                 |        | *All trop | ns in field f | or two wee | 75      |        |        |





Zone 7 is an almond orchard where aerial NOW SIT releases were conducted. A total of **72** traps were collected from Zone 7 on <u>Wednesday</u>, <u>November 10</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

A total of **72** traps were collected from Zone 7 on <u>Wednesday</u>, <u>November 17</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

A total of **72** traps were collected from Zone 7 on <u>Wednesday</u>, <u>November 24</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

A total of **72** traps were collected from Zone 7 on <u>Wednesday</u>, <u>December 1</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

A total of **72** traps were collected from Zone 7 on <u>Wednesday</u>, <u>December 8</u>, with **36** pistachio meal baited traps and **36** pheromone/PPO lure traps.

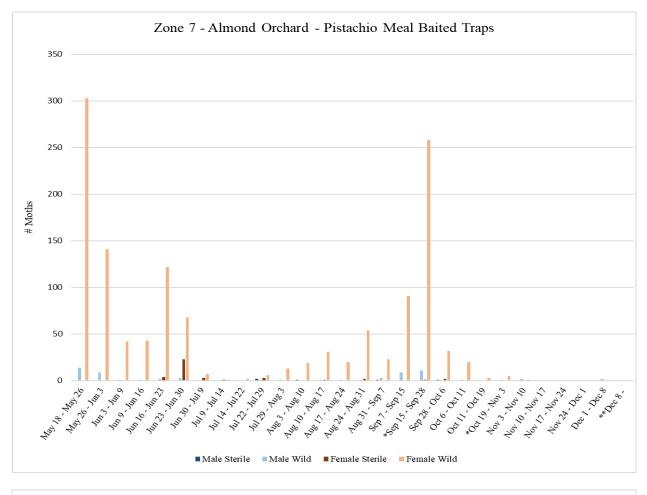
No traps were collected from Zone 7 during the week of <u>December 17</u> due to severe weather on site.

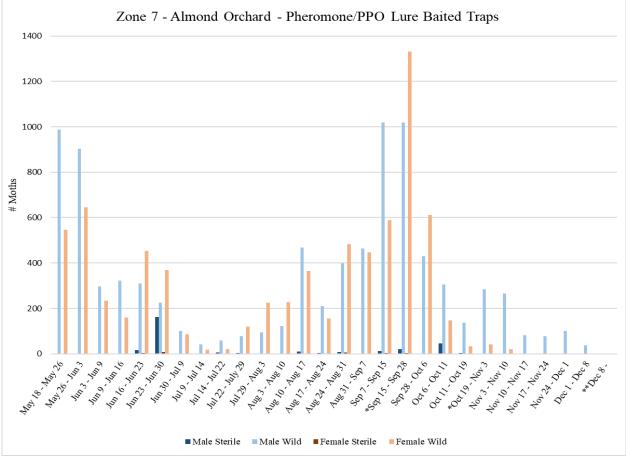
No traps were collected from Zone 7 during the week of <u>December 24</u> due to severe weather on site.

| Zone 7 - Almond      |                         |         |            |             |         |        |        |  |  |
|----------------------|-------------------------|---------|------------|-------------|---------|--------|--------|--|--|
|                      |                         | Pistac  | hio Meal B | aited Traps |         |        |        |  |  |
|                      | # of                    |         |            |             |         |        |        |  |  |
| Dates Traps in       | Releases<br>During Trap | Male    | Male       | Male        | Female  | Female | Female |  |  |
| Field                | Period                  | Sterile | Wild       | Total       | Sterile | Wild   | Total  |  |  |
| May 18 - May 26      | 0                       | 0       | 14         | 14          | 0       | 303    | 303    |  |  |
| May 26 - Jun 3       | 0                       | 0       | 9          | 9           | 0       | 141    | 141    |  |  |
| Jun 3 - Jun 9        | 0                       | 0       | 1          | 1           | 0       | 42     | 42     |  |  |
| Jun 9 - Jun 16       | 0                       | 0       | 1          | 1           | 0       | 43     | 43     |  |  |
| Jun 16 - Jun 23      | 5                       | 0       | 2          | 2           | 4       | 122    | 126    |  |  |
| Jun 23 - Jun 30      | 6                       | 0       | 3          | 3           | 23      | 68     | 91     |  |  |
| Jun 30 - Jul 9       | 7                       | 0       | 0          | 0           | 3       | 7      | 10     |  |  |
| Jul 9 - Jul 14       | ^5                      | 0       | 0          | 0           | 1       | 1      | 2      |  |  |
| Jul 14 - Jul 22      | ^9                      | 0       | 0          | 0           | 0       | 2      | 2      |  |  |
| Jul 22 - Jul 29      | ^6                      | 2       | 0          | 2           | 3       | 6      | 9      |  |  |
| Jul 29 - Aug 3       | 5                       | 0       | 1          | 1           | 0       | 13     | 13     |  |  |
| Aug 3 - Aug 10       | ^6                      | 1       | 0          | 1           | 0       | 19     | 19     |  |  |
| Aug 10 - Aug 17      | 5                       | 0       | 1          | 1           | 1       | 31     | 32     |  |  |
| Aug 17 - Aug 24      | 4                       | 0       | 1          | 1           | 0       | 20     | 20     |  |  |
| Aug 24 - Aug 31      | 5                       | 0       | 1          | 1           | 2       | 54     | 56     |  |  |
| Aug 31 - Sep 7       | ^7                      | 1       | 3          | 4           | 0       | 23     | 23     |  |  |
| Sep 7 - Sep 15       | 2                       | 0       | 9          | 9           | 0       | 91     | 91     |  |  |
| *Sep 15 - Sep 28     | ^9                      | 0       | 11         | 11          | 1       | 258    | 259    |  |  |
| Sep 28 - Oct 6       | 5                       | 1       | 0          | 1           | 2       | 32     | 34     |  |  |
| Oct 6 - Oct 11       | ^5                      | 0       | 1          | 1           | 0       | 20     | 20     |  |  |
| Oct 11 - Oct 19      | 4                       | 0       | 0          | 0           | 0       | 3      | 3      |  |  |
| *Oct 19 - Nov 3      | 0                       | 0       | 1          | 1           | 0       | 5      | 5      |  |  |
| Nov 3 - Nov 10       | 0                       | 0       | 2          | 2           | 0       | 1      | 1      |  |  |
| Nov 10 - Nov 17      | 0                       | 0       | 0          | 0           | 0       | 0      | 0      |  |  |
| Nov 17 - Nov 24      | 0                       | 0       | 0          | 0           | 0       | 0      | 0      |  |  |
| Nov 24 - Dec 1       | 0                       | 0       | 0          | 0           | 0       | 0      | 0      |  |  |
| <b>Dec 1 - Dec 8</b> | 0                       | 0       | 2          | 2           | 0       | 0      | 0      |  |  |

| **Dec 8 -  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |
| ^Extra moths from Mag 2 released over Zone 7 on select Thursdays           |  |  |  |  |  |  |  |
| *All traps in field for two weeks  |  |  |  |  |  |  |  |
| **No traps serviced in Zone 7 since 12/8/21 due to severe weather on site. |  |  |  |  |  |  |  |

|                            |   | Zo              | one 7 - A    | lmond        |                   |                |          |
|----------------------------|---|-----------------|--------------|--------------|-------------------|----------------|----------|
|                            |   | Pheromo         | ne/PPO Lur   | e Baited Tra | aps               |                |          |
| Dates Traps in             | # of<br>Releases<br>During Trap<br>Period | Male<br>Sterile | Male<br>Wild | Male         | Female<br>Sterile | Female<br>Wild | Female   |
| Field                      |   |                 |              | Total        |                   |                | Total    |
| May 18 - May 26            | 0   | 0               | 988          | 988          | 0                 | 546            | 546      |
| May 26 - Jun 3             | 0   | 0               | 902          | 902          | 0                 | 646            | 646      |
| Jun 3 - Jun 9              | 0   | 0               | 296          | 296          | 0                 | 233            | 233      |
| Jun 9 - Jun 16             | 0   | 0               | 322          | 322          | 0                 | 160            | 160      |
| Jun 16 - Jun 23            | 5   | 17              | 309          | 326          | 3                 | 453            | 456      |
| Jun 23 - Jun 30            | 6   | 161             | 226          | 387          | 8                 | 369            | 377      |
| Jun 30 - Jul 9             | 7   | 0               | 100          | 100          | 0                 | 86             | 86       |
| Jul 9 - Jul 14             | ^5  | 0               | 42           | 42           | 0                 | 18             | 18       |
| Jul 14 - Jul 22            | ^9  | 5               | 59           | 64           | 1                 | 20             | 21       |
| Jul 22 - July 29           | ^6  | 4               | 78           | 82           | 0                 | 119            | 119      |
| Jul 29 - Aug 3             | 5   | 0               | 95           | 95           | 0                 | 225            | 225      |
| Aug 3 - Aug 10             | ^6  | 0               | 121          | 121          | 0                 | 227            | 227      |
| Aug 10 - Aug 17            | 5   | 9               | 469          | 478          | 0                 | 364            | 364      |
| Aug 17 - Aug 24            | 4   | 4               | 211          | 215          | 0                 | 155            | 155      |
| Aug 24 - Aug 31            | 5   | 8               | 398          | 406          | 5                 | 483            | 488      |
| Aug 31 - Sep 7             | ^7  | 0               | 463          | 463          | 0                 | 447            | 447      |
| Sep 7 - Sep 15             | 2   | 13              | 1019         | 1032         | 3                 | 589            | 592      |
| *Sep 15 - Sep 28           | ^9  | 21              | 1019         | 1040         | 3                 | 1332           | 1335     |
| Sep 28 - Oct 6             | 5   | 1               | 429          | 430          | 1                 | 612            | 613      |
| Oct 6 - Oct 11             | ^5  | 45              | 306          | 351          | 2                 | 147            | 149      |
| Oct 11 - Oct 19            | 4   | 4               | 137          | 141          | 0                 | 33             | 33       |
| *Oct 19 - Nov 3            | 0   | 0               | 285          | 285          | 0                 | 42             | 42       |
| Nov 3 - Nov 10             | 0   | 0               | 265          | 265          | 0                 | 20             | 20       |
| Nov 10 - Nov 17            | 0   | 0               | 81           | 81           | 0                 | 0              | 0        |
| Nov 17 - Nov 24            | 0   | 0               | 77           | 77           | 0                 | 0              | 0        |
| Nov 24 - Dec 1             | 0   | 0               | 100          | 100          | 0                 | 0              | 0        |
| Dec 1 - Dec 8<br>**Dec 8 - | 0   | 0               | 37           | 37           | 0                 | 1              | 1        |
| Dec 8 -                    |   |                 |              |              |                   |                |          |
|                            | ^Extra moths                              | from Mag 2      | released or  | ver Zone 7 d | on select Thurso  | davs           | <u> </u> |
|                            |   | Ŭ               |              | or two week  |                   | <i>j</i>       |          |
| **                         | No traps servic                           | ed in Zone      | 7 since 12/8 | 8/21 due to  | severe weathe     | r on site.     |          |





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

A total of **18** traps were collected from Zone 8 on <u>Tuesday, November 16</u>, with **9** pistachio meal baited traps and **9** pheromone/PPO lure traps.

A total of **18** traps were collected from Zone 8 on <u>Tuesday</u>, <u>November 23</u>, with **9** pistachio meal baited traps and **9** pheromone/PPO lure traps.

A total of **18** traps were collected from Zone 8 on <u>Tuesday</u>, <u>November 30</u>, with **9** pistachio meal baited traps and **9** pheromone/PPO lure traps.

A total of **18** traps were collected from Zone 8 on <u>Tuesday</u>, <u>December 7</u>, with **9** pistachio meal baited traps and **9** pheromone/PPO lure traps.

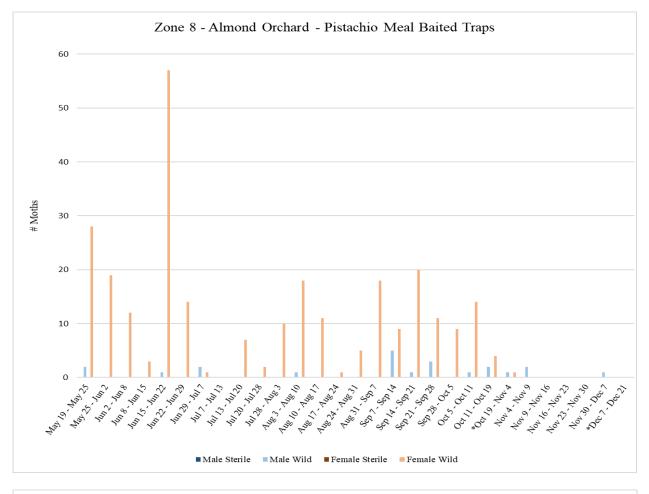
No traps were collected from Zone 8 during the week of <u>December 17</u> due to severe weather on site.

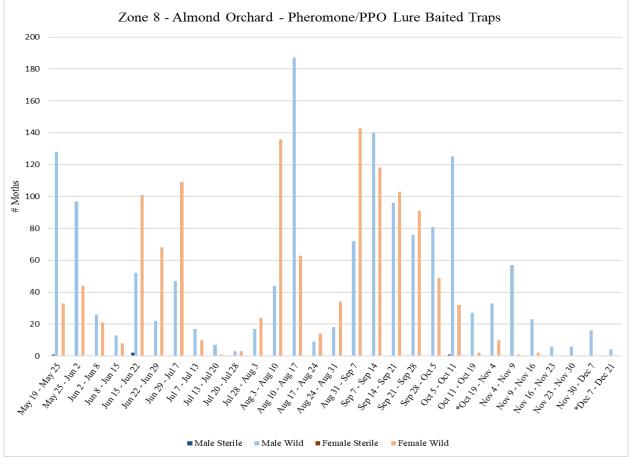
A total of **18** traps were collected from Zone 8 on <u>Tuesday</u>, <u>December 21</u>, with **9** pistachio meal baited traps and **9** pheromone/PPO lure traps.

| Zone 8 - Almond             |                  |         |      |       |         |        |        |  |  |  |
|-----------------------------|------------------|---------|------|-------|---------|--------|--------|--|--|--|
| Pistachio Meal Baited Traps |                  |         |      |       |         |        |        |  |  |  |
|                             | # of<br>Releases |         |      |       |         |        |        |  |  |  |
| Dates Traps in              | During Trap      | Male    | Male | Male  | Female  | Female | Female |  |  |  |
| Field                       | Period           | Sterile | Wild | Total | Sterile | Wild   | Total  |  |  |  |
| May 19 - May 25             | 0                | 0       | 2    | 2     | 0       | 28     | 28     |  |  |  |
| May 25 - Jun 2              | 0                | 0       | 0    | 0     | 0       | 19     | 19     |  |  |  |
| Jun 2 - Jun 8               | 0                | 0       | 0    | 0     | 0       | 12     | 12     |  |  |  |
| Jun 8 - Jun 15              | 0                | 0       | 0    | 0     | 0       | 3      | 3      |  |  |  |
| Jun 15 - Jun 22             | 0                | 0       | 1    | 1     | 0       | 57     | 57     |  |  |  |
| Jun 22 - Jun 29             | 0                | 0       | 0    | 0     | 0       | 14     | 14     |  |  |  |
| Jun 29 - Jul 7              | 0                | 0       | 2    | 2     | 0       | 1      | 1      |  |  |  |
| Jul 7 - Jul 13              | 0                | 0       | 0    | 0     | 0       | 0      | 0      |  |  |  |
| Jul 13 - Jul 20             | 0                | 0       | 0    | 0     | 0       | 7      | 7      |  |  |  |
| Jul 20 - Jul 28             | 0                | 0       | 0    | 0     | 0       | 2      | 2      |  |  |  |
| Jul 28 - Aug 3              | 0                | 0       | 0    | 0     | 0       | 10     | 10     |  |  |  |
| Aug 3 - Aug 10              | 0                | 0       | 1    | 1     | 0       | 18     | 18     |  |  |  |
| Aug 10 - Aug 17             | 0                | 0       | 0    | 0     | 0       | 11     | 11     |  |  |  |
| Aug 17 - Aug 24             | 0                | 0       | 0    | 0     | 0       | 1      | 1      |  |  |  |
| Aug 24 - Aug 31             | 0                | 0       | 0    | 0     | 0       | 5      | 5      |  |  |  |
| Aug 31 - Sep 7              | 0                | 0       | 0    | 0     | 0       | 18     | 18     |  |  |  |
| Sep 7 - Sep 14              | 0                | 0       | 5    | 5     | 0       | 9      | 9      |  |  |  |
| Sep 14 - Sep 21             | 0                | 0       | 1    | 1     | 0       | 20     | 20     |  |  |  |
| Sep 21 - Sep 28             | 0                | 0       | 3    | 3     | 0       | 11     | 11     |  |  |  |
| Sep 28 - Oct 5              | 0                | 0       | 0    | 0     | 0       | 9      | 9      |  |  |  |
| Oct 5 - Oct 11              | 0                | 0       | 1    | 1     | 0       | 14     | 14     |  |  |  |
| Oct 11 - Oct 19             | 0                | 0       | 2    | 2     | 0       | 4      | 4      |  |  |  |
| *Oct 19 - Nov 4             | 0                | 0       | 1    | 1     | 0       | 1      | 1      |  |  |  |
| Nov 4 - Nov 9               | 0                | 0       | 2    | 2     | 0       | 0      | 0      |  |  |  |
| Nov 9 - Nov 16              | 0                | 0       | 0    | 0     | 0       | 0      | 0      |  |  |  |
| Nov 16 - Nov 23             | 0                | 0       | 0    | 0     | 0       | 0      | 0      |  |  |  |

| Nov 23 - Nov 30                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
|-----------------------------------|---|---|---|---|---|---|---|--|
| Nov 30 - Dec 7                    | 0 | 0 | 1 | 1 | 0 | 0 | 0 |  |
| *Dec 7 - Dec 21                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
|                                   |   |   |   |   |   |   |   |  |
| *All traps in field for two weeks |   |   |   |   |   |   |   |  |

| Zone 8 - Almond |                  |           |                   |              |           |        |        |  |  |
|-----------------|------------------|-----------|-------------------|--------------|-----------|--------|--------|--|--|
|                 |                  | Pheromor  | ne/PPO Lur        | e Baited Tra | aps       |        |        |  |  |
|                 | # of<br>Releases |           |                   |              | Î         |        |        |  |  |
| Dates Traps in  | During Trap      | Male      | Male              | Male         | Female    | Female | Female |  |  |
| Field           | Period           | Sterile   | Wild              | Total        | Sterile   | Wild   | Total  |  |  |
| May 19 - May 25 | 0                | 1         | 128               | 129          | 0         | 33     | 33     |  |  |
| May 25 - Jun 2  | 0                | 0         | 97                | 97           | 0         | 44     | 44     |  |  |
| Jun 2 - Jun 8   | 0                | 0         | 26                | 26           | 0         | 21     | 21     |  |  |
| Jun 8 - Jun 15  | 0                | 0         | 13                | 13           | 0         | 8      | 8      |  |  |
| Jun 15 - Jun 22 | 0                | 2         | 52                | 54           | 0         | 101    | 101    |  |  |
| Jun 22 - Jun 29 | 0                | 0         | 22                | 22           | 0         | 68     | 68     |  |  |
| Jun 29 - Jul 7  | 0                | 0         | 47                | 47           | 0         | 109    | 109    |  |  |
| Jul 7 - Jul 13  | 0                | 0         | 17                | 17           | 0         | 10     | 10     |  |  |
| Jul 13 - Jul 20 | 0                | 0         | 7                 | 7            | 0         | 1      | 1      |  |  |
| Jul 20 - Jul 28 | 0                | 0         | 3                 | 3            | 0         | 3      | 3      |  |  |
| Jul 28 - Aug 3  | 0                | 0         | 17                | 17           | 0         | 24     | 24     |  |  |
| Aug 3 - Aug 10  | 0                | 0         | 44                | 44           | 0         | 136    | 136    |  |  |
| Aug 10 - Aug 17 | 0                | 0         | 187               | 187          | 0         | 63     | 63     |  |  |
| Aug 17 - Aug 24 | 0                | 0         | 9                 | 9            | 0         | 14     | 14     |  |  |
| Aug 24 - Aug 31 | 0                | 0         | 18                | 18           | 0         | 34     | 34     |  |  |
| Aug 31 - Sep 7  | 0                | 0         | 72                | 72           | 0         | 143    | 143    |  |  |
| Sep 7 - Sep 14  | 0                | 0         | 140               | 140          | 0         | 118    | 118    |  |  |
| Sep 14 - Sep 21 | 0                | 0         | 96                | 96           | 0         | 103    | 103    |  |  |
| Sep 21 - Sep 28 | 0                | 0         | 76                | 76           | 0         | 91     | 91     |  |  |
| Sep 28 - Oct 5  | 0                | 0         | 81                | 81           | 0         | 49     | 49     |  |  |
| Oct 5 - Oct 11  | 0                | 1         | 125               | 126          | 0         | 32     | 32     |  |  |
| Oct 11 - Oct 19 | 0                | 0         | 27                | 27           | 0         | 2      | 2      |  |  |
| *Oct 19 - Nov 4 | 0                | 0         | 33                | 33           | 0         | 10     | 10     |  |  |
| Nov 4 - Nov 9   | 0                | 0         | 57                | 57           | 0         | 1      | 1      |  |  |
| Nov 9 - Nov 16  | 0                | 0         | 23                | 23           | 0         | 2      | 2      |  |  |
| Nov 16 - Nov 23 | 0                | 0         | 6                 | 6            | 0         | 0      | 0      |  |  |
| Nov 23 - Nov 30 | 0                | 0         | 6                 | 6            | 0         | 0      | 0      |  |  |
| Nov 30 - Dec 7  | 0                | 0         | 16                | 16           | 0         | 0      | 0      |  |  |
| *Dec 7 - Dec 21 | 0                | 0         | 4                 | 4            | 0         | 0      | 0      |  |  |
|                 |                  | *All trai | <br> s in field f | or two wee   | <b>ZS</b> |        |        |  |  |





# IV. Quality Control

QC tests are performed on samples taken from each shipment of sterile NOW moths. These tests include: zerohour mortality rates, zero-hour mating dissections, forty-eight-hour mating dissections, seven-day longevity monitoring, and crush tests. Throughout the span of a week, Monday through Sunday, the results of each test are averaged. Below are the 2021 SIT season's average QC results for Mag 1 and Mag 2 from the period of Wednesday, March 10, 2021 to Saturday, October 16, 2021.

- o 2% of moths from samples found dead at zero hour
- $\circ$  1% of moths from samples found to have mated at zero hour
- o 36% of moths from samples found to have mated after forty-eight hours
- $\circ$  84% of moths from samples remained alive after seven days in BioChamber
- $\circ$  83% of moths from samples found to have distinct red dye markings

