

University of California Integrated Pest Management Insect Update #4  
Tehama County 3/30/15

INSECT	FIRST BIOFIX	SECOND BIOFIX	THIRD BIOFIX	FOURTH BIOFIX	ACTIVITY MOTHS/DAY	AVG. DEG. DAYS/DAY	DAY DEGREES FROM BIOFIX
CODLING MOTH	3/16	-	-	-	4.3	16.8	169
ORIENTAL FRUIT MOTH	2/16	-	-	-	1.9	22.0	541
PEACH TWIG BORER	3/16	-	-	-	9.2	16.0	162
NAVEL ORANGE WORM EGGS	?	-	-	-	-	-	-
SAN JOSE SCALE	3/9	-	-	-	-	15.0	191
WALNUT SCALE	?						

For the Tehama Ashley walnut orchard that we monitor we set the male biofix at 3/16/15. First sprays are timed 300 Degree Days following the male biofix. We are currently at 169 which means we have 131 remaining. Assuming a cooling trend and an average of 11 Degree days per day, first spray timing would be about 12 days from now.

We consistently caught females on 3/30/15 and CIMIS weather data shows twilight temperatures above the 62F threshold required for egg laying suggesting 3/30 as the female biofix. Average egg hatch occurs at about 160 Degree Days. Assuming the 11 degree Days per Day average egg hatch should occur in about 14 days. So the two methods are predicting relatively close.

Additional Data next Monday 3/6/15 will fine tune the initial prediction.

Male NOW are out and flying and we caught females 3/30 although no egg laying yet in Tehama Almonds.

Double sided sticky tape monitoring in Howard and Chandler indicates no walnut scale crawler activity as of 3/30/15

Additional Pest management information plus twilight temperatures are available at the UC IPM website including a day degree calculator. <http://www.ipm.ucdavis.edu>.

Tehama Pest management updates are also available at [http://cetehama.ucanr.edu/Orchard\\_Crops/Insect\\_Updates](http://cetehama.ucanr.edu/Orchard_Crops/Insect_Updates)

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