

Nuts—Chemical Control

Peach Twig Borer Mating Disruption Trials in Almonds, 1991-93

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Mating disruption trials of peach twig borer (PTB) in almonds in central California showed reductions in PTB damage to almonds when compared to unsprayed checks. Pheromone dispensers from Concep, Inc., were applied twice during the growing season in each year. Depletion of the pheromone following the second application of dispensers in mid-season allowed rapid recovery of male PTB response to monitoring traps. For maximum season-long control, a third application of dispensers or higher initial loads extended over a longer period of time might be beneficial for long-term control.

Table 1. Mating disruption of peach twig borer in Nonpareil almonds, 1992-93.

		% infested nuts ¹		
		Check	Standard	E-X
1992 ²	Hulls	10.3	6.5	2.8
	Meats	1.5	0.5	0.1
1993 ²	Hulls	10.1	4.3	7.0
	Meats	1.1	0.1	1.0

¹Ten 100-nut subsamples per treatment.

²Consep 60-day PTB pheromone dispensers @200/acre, two applications per season.