

X-Mate CRS, a New Mating Disruption Product for Management of California Red Scale

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HOW IT WORKS:

Disrupts Mating with Pheromone to Control CRS



California Red Scale, *Aonidiella aurantii* (CRS) is a serious pest of citrus and other plants throughout the World.

California Red Scale attacks all parts of the tree including twigs, leaves, branches, and fruit. Heavily infested fruit may reduce their value and serious damage can occur to trees. Severe infestations can lead to defoliation, branch dieback, fruit loss, and possible death of the tree.

X-Mate CRS is pheromone based California Red Scale control product.

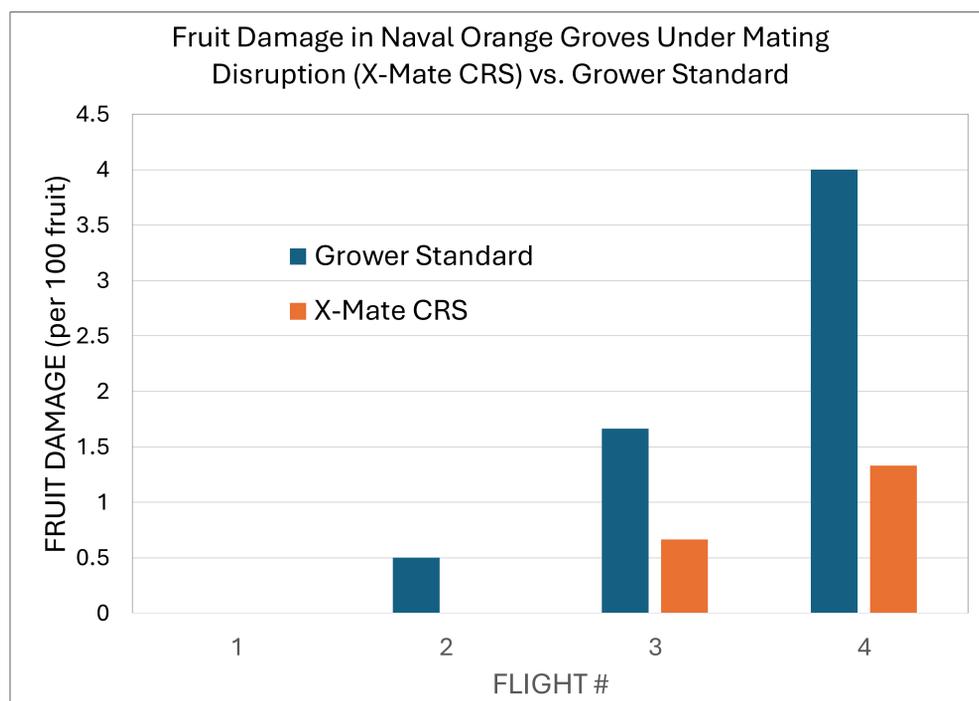
X-Mate CRS releases high dose of pheromone to prevent male scales from finding female.

They are confused and overwhelmed by pheromone cloud and mating rate is highly reduced. One device per tree causes Mating Disruption and as result lower reproduction and population reduction.

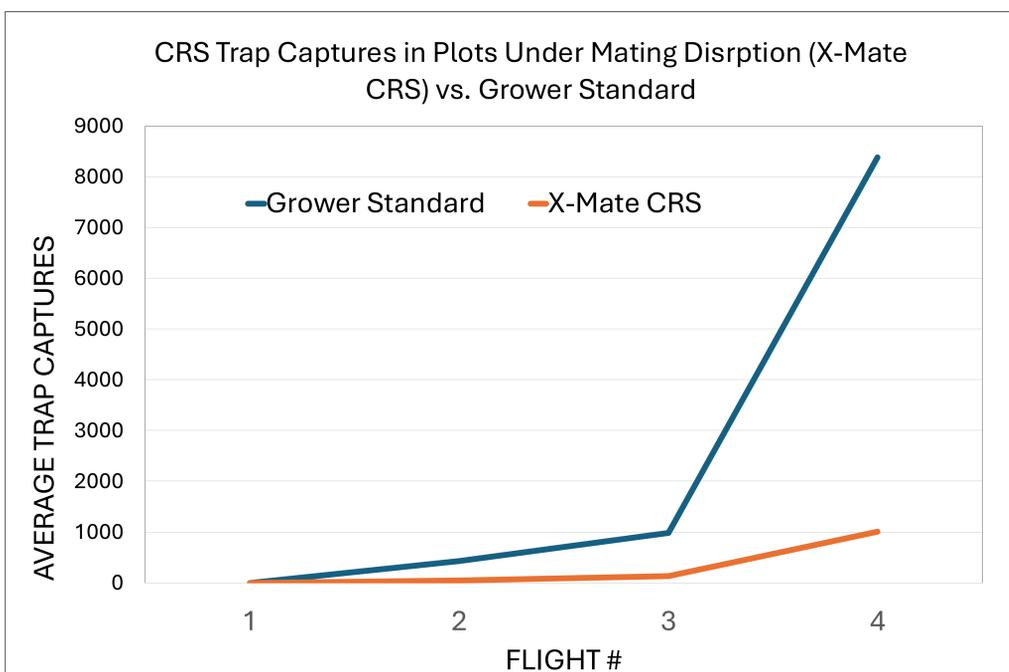


RESULTS

With X-Mate CRS treatment: A single application keeps pest damage at low levels for entire season. So beneficial insects can complete control infestation of California Red Scale and reduce damage below economical levels.



FIELD RESEARCH



X-Mate CRS has proven infield trials in California. X-Mate CRS resulted in outstanding control of California Red Scale when used as a stand-alone method or as part of an IPM program. It substantially reduces or eliminates supplemental insecticide use.

HOW TO USE:

Only One Device per Tree (180 per acre)

X-Mate CRS comes prepackaged in small blister -type dispensers. No activation is necessary. Just hung one dispenser per tree as high as possible in the center of the tree crowns. Take into consideration tree pruning to avoid loss of dispensers. Apply X-Mate CRS prior to second scale flight. X-Mate CRS provides season-long scale Mating Disruption.

PRODUCT FEATURES

EFFECTIVE

Reduces CRS populations and hinders development of chemical pesticide resistance.

SELECTIVE

X-Mate CRS targets only male California Red Scale and will not harm beneficial insects or bees.

RESIDUE FREE

There are no residue or contamination worries, as food-safe X-Mate CRS does not contain insecticide and never contacts the fruit.

WORKER SAFETY

There are no concerns about re-entry (12 hours) or pre-harvest interval.

SEASON LONG PERFORMANCE

COMPATIBLE with all IPM technologies. Augmentation by *Aphytis melinus* biological control can lead to successful CRS suppression.

WATERPROOF

X-Mate CRS is unaffected by rain or overhead sprinklers. It stays where you put it, never entering the water

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