

AVAUNT® EVO INSECT CONTROL

EFFECTIVE AND RELIABLE IPM TOOL FOR HIGH-VALUE CROP PROTECTION

TECHNICAL BULLETIN | TREE NUTS

IRAC Group

22A

Insecticide

PRODUCT ATTRIBUTES

- Unique active ingredient
- Extended residual
- Signal word: CAUTION
- Control tough early-season pests with minimal impact on beneficials
- IPM and resistance management tool

TECHNICAL INFORMATION

- **Active Ingredient:** Indoxacarb
- **IRAC/MOA:** 22A/sodium channel blocker. Feeding stops in 0-4 hrs.
- **Insect Mortality:** Occurs in 4-48 hrs.
- **Formulation:** 30% WDG
- **Use Rate:** 6 oz./A recommended for tree nuts
- **PPE:** Long sleeved shirt and long pants, chemical resistant gloves and shoes plus socks
- **Rainfastness:** When spray dries
- **REI:** 12 hrs.
- **Crops:** Almond, pistachio, black walnut, English walnut, cultivars, varieties and/or hybrids of these

QUICK FACTS

- Unique mode of action: The only Group 22A insecticide for labeled crops and pests.
- Effective control of the Lepidopteran spectrum, plus several species of weevils, beetles and sucking pests.**
- Doesn't flare mites, aphids or scales when used according to the label.
- Minimal impact on pollinators and other beneficial insects when used in accordance with the label.*
- Ease of use through a broad specialty crop label and now an expanded label with new crops and expanded rates.
- Resistant to wash-off and stable under UV light, high heat and low to high water pH.
- Binds to the leaf cuticle for residual activity that lasts five to 14 days against key insect pests.
- Ideal rotational tool for integrated pest management (IPM) and insect resistance management (IRM).
- Enhanced formulation delivers better mixability to save time and trouble during tank mixing and application.
- Offers faster protection for your crops compared to IGRs.

APPLICATION GUIDELINES FOR TREE NUTS

Max Application # Per Season	No more than three applications
Ounces Per Acre	4.0-6.0
Lbs. ai/A	0.075-0.11
GPA	Thorough coverage is essential to achieve best results Ground 50-150 GPA, dilute not to exceed 200 GPA; Air 10 GPA minimum
Minimum Interval Between Treatments	7 days
PHI	5 days
Application Timing	Late dormancy up to May 15*
Adjuvants	MSO/COC blends

*Do not apply Avaunt® eVo insect control later than May 15 due to MRLs constrain with EU. It is the grower and processor's responsibility to check for residue before shipping overseas.

**This Avaunt eVo insect control recommendation is made as permitted under FIFRA Section 2(ee) for the suppression of leaf footed plantbugs and green stink bugs and feeding damage protection in nutmeat in tree nuts has been submitted to or approved by the EPA. The 2(ee) expiration date is 2/15/2028



ADULT* MORTALITY AND AFFECTED AT 24 & 48 HOURS AFTER APPLICATION

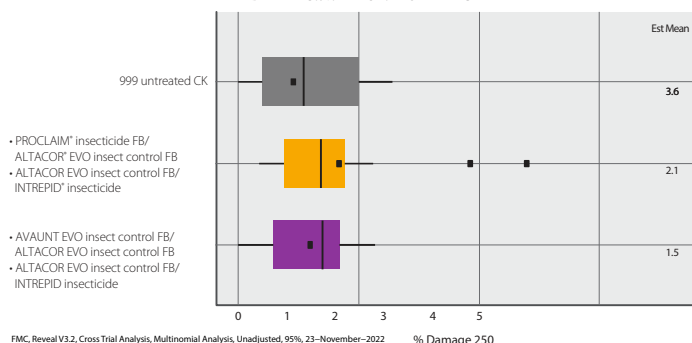
*Adult moths were hung in almond trees inside cages at 10 ft. Dr. Joel Siegel-USDA. Madera, CA 2019

Treatment	Live	Dead	Twich	Affected
Control 24 hrs.	54	25	11	36 (40%)
Avaunt® eVo insect control 24 hrs.	28	50	12	62 (68.9%)
Control 48 hrs.	48	32	10	42 (46.7%)
Avaunt eVo insect control 48 hrs.	12	70	5	75 (83.3%)

AVAUNT EVO INSECT CONTROL PERFORMANCE AGAINST NAVEL ORANGEWORM IN ALMOND AT MUMMY SPRAY COMPARE

Boxplot of Treatments

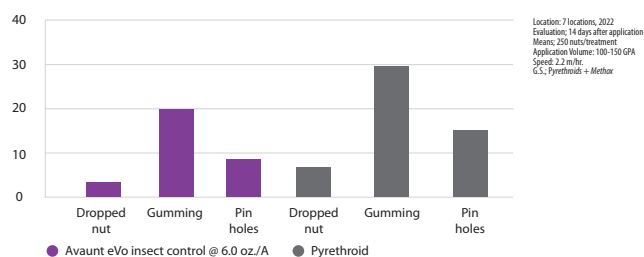
Almond sweet | Navel caterpillar orangeworm (*Amyelois transitella*)
DAMPES.%1 PLOT.FRUIT n = 3



Treatment	Use Rate Oz./A.	Location		
		Location 1	Location 2	Location 3
UTC	NA	2.0 B	2.5	4.5 A
Intrepid 2F insecticide fb Altacor insect control fb Intrepid 2F insecticide	20 fb 4.5 fb 4.5 fb 20	2.0 B	0.5	0.65 C
Avaunt eVo insect control fb Altacor insect control fb Avaunt eVo insect control	6 fb 4.5 fb 4.5 fb 6	0.0 B	2	1.1 BC
Proclaim insecticide fb Altacor insect control fb Altacor insect control fb Proclaim insecticide	4.8 fb 4.5 fb 4.5 fb 4.8	1.2 B	0	2.15 B
LSD 0.05		2.12	NS	1.356

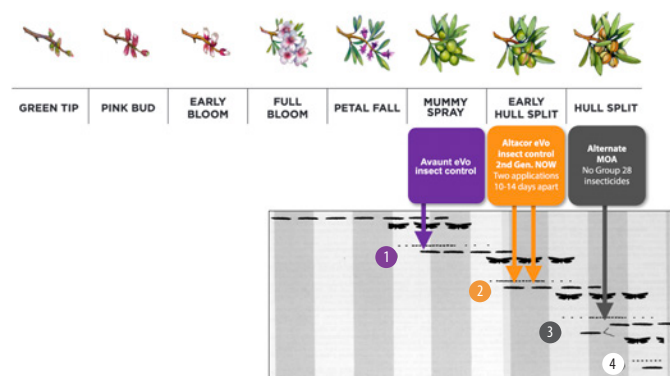
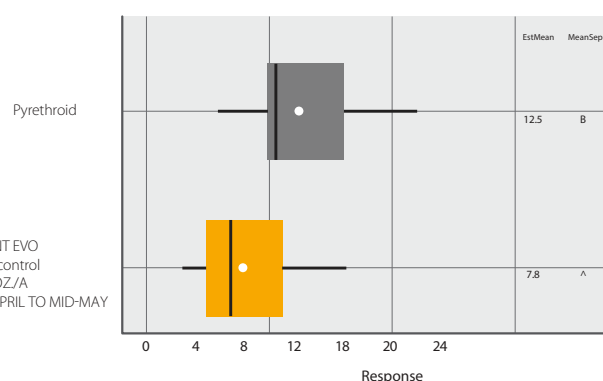
AVAUNT EVO INSECT CONTROL FOLLOWED BY ALTACOR EVO INSECT CONTROL ON ALMONDS

Percent Damage



Boxplot of Treatments

Almond sweet | Stink bug green (*Acrosternum hilare*)
DAMPES. Num.250 FRUIT.NUT n = 7



Proclaim insecticide is a Restricted Use Pesticide.

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