

Altacor[®] Insect Control With Rynaxypyr[®]



CALIFORNIA AND ARIZONA

Count on FMC for more consistent control of key pests in stone fruit

STONE FRUIT RECOMMENDATIONS

Altacor[®] insect control is a breakthrough mode of action insecticide that delivers remarkable protection. When used early in the pest life cycle, Altacor insect control prevents the buildup of pest populations to help maximize your yield potential. The high larvicidal efficacy and long-lasting activity of Altacor insect control provide excellent crop protection, even when circumstances prevent optimal application timing. The rapid cessation of feeding, strong residual activity and excellent rainfast properties of Altacor insect control deliver nearly immediate and long-lasting protection from damage caused by labeled pest species under a wide range of growing conditions.

Altacor[®] insect control

Crops: Stone fruits, including apricots, cherries (sweet and tart), nectarines, peaches, plums, plumcots, prunes (fresh)

Key Pests: Oriental fruit moths, peach twig borers, codling moths, obliquebanded leafrollers, katydid (nymphs), omnivorous leaf rollers, tufted apple bud moths, light brown apple moths¹ and cherry fruit flies²

PHI: 10 days

REI: Four hours



Formulation:

35 percent water dispersible granule.

Tank-mix partners:

Tests show compatibility with more than 50 commonly used tank-mix partners in two-way mixtures (list available). Do not tank mix with an insecticide from IRAC Group 28.

Application:

Apply Altacor insect control by ground with properly calibrated equipment and suitable water volume to ensure thorough coverage. For best results, apply 100–150 gal. water per acre. Do not apply less than 30 gal. water per acre by ground.

Adjuvants:

Use a proven adjuvant that does not affect foliage and/or fruit finish.

REI and PHI:

- 4-hour re-entry interval.
- 10-day preharvest interval.

Resistance management:

Do not spray successive generations with Altacor insect control or other IRAC Group 28 insecticides. Rotate to alternate modes of action among insect generations as per IRAC resistance management guidelines.

Altacor® insect control	
Altacor insect control attributes	Performance outcomes
Breakthrough mode of action insecticide Active ingredient: Rynaxypyr® Chemical class: IRAC Group 28, Anthranilic diamide	Excellent insect control — including species that have developed resistance to products with other modes of action. Proven foundational insecticide. Should be used in programs with other effective products having different modes of action for resistance management
Long-lasting protection	Altacor® insect control exhibits excellent durability ³ due to: <ul style="list-style-type: none"> • Translaminar activity • UV light stability • Rainfastness (highly lipophilic)
Broad-spectrum control of Lepidoptera (including peach twig borers [PTB], obliquebanded leafrollers [OBLR], Oriental fruit moths [OFM] katydids [nymphs], omnivorous leaf rollers, tufted apple bud moths, light brown apple moths ¹ and cherry fruit flies ²) with low to minimal impact on beneficials, including pollinators⁴, when used in accordance with the label	Multistage control: <ul style="list-style-type: none"> • Ovicidal⁵ (high percentage of treated eggs do not hatch; varies by species) • Ovi-larvicidal (eggs may hatch but neonate is controlled after feeding on treated chorion) • Larvicidal (across species, all instars through contact and ingestion) • Adult activity^{6,7} Excellent selectivity to beneficial arthropods and pollinators ⁴ Does not flare mites or aphids
Fast acting	Prevents feeding damage within minutes of exposure from application
Based on its excellent environmental profile, the use of Altacor insect control on peaches has been registered by EPA under its Reduced Risk Program	Excellent environmental profile, which is important to: <ul style="list-style-type: none"> • Orchard owners and neighbors • Applicators/workers • Consumers
Unique flexibility	Multiple attributes contribute to the unique management flexibility of Altacor insect control: <ul style="list-style-type: none"> • Broad-spectrum control of economically important pests while preserving IPM • Short (4 hours) re-entry and minimal personal protective equipment requirements • Single a.i. for optimal use rate, tank-mix flexibility and compatibility

¹ This Altacor® insect control recommendation is made as permitted under FIFRA Section 2(ee) for control of light brown apple moth on stone fruit in the state of California. This recommendation has not been submitted to or approved by the EPA. The 2(ee) expiration date is 12/31/2014.

² Suppression only.

³ Fruit expansion is a limiting factor relative to residual control.

⁴ In line with integrated pest management and good agricultural practices, insecticide applications should be made when pollinators are not foraging to avoid unnecessary exposure.

⁵ Significant ovicidal activity is observed at varying levels depending on pest species.

⁶ Disruption of adult insect behaviors in some pest species (e.g., CM, OFM) such as mate finding, mating, oviposition, feeding, locomotion and orientation.

⁷ Adult mortality is species, application rate, exposure level, and time dependent for navel orangeworms (based on lab and field studies).

Guidelines for Altacor® insect control use on stone fruit			
Lepidoptera	Altacor® insect control application timing	Altacor® insect control use rate (oz./A)	Altacor® insect control spray interval
Oriental fruit moth	Before egg hatch (regardless of generation)	3.0–4.5	7-day minimum
Peach twig borer (peaches and nectarines)	1st generation — early bloom 2nd generation — prior to egg hatch	3.0–4.5	7-day minimum
Obliquebanded leafroller (cherries)	1st generation — petal fall 2nd generation — prior to feeding	3.0–4.5	7-day minimum
Other leafrollers	200 degree days	3.0–4.5	7-day minimum

Make no more than three applications per year.

Do not apply more than 9 oz. Altacor insect control or 0.2 lbs. a.i. of chlorantraniliprole-containing products per acre per year.

For more information:

Put this powerful proven tool to work for you. Contact your local FMC retailer or representative to learn how you can get more consistent control of key pests in stone fruits with proven Altacor insect control, and visit us at FMCCrop.com.

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