

LONGER RESIDUAL FOR MAXIMUM NOW CONTROL

- Altacor® insect control, powered by Rynaxypyr® active, offers long-lasting protection within minutes against key Lep populations such as navel orangeworm (NOW), peach twig borer (PTB) and oriental fruit moth (OFM) while having low impact on beneficial insects and supporting integrated pest management programs.
- Excellent worker protection standard profile brings peace of mind.
- No bee statement on label. Short four-hour REI and short PHIs. Does not flare secondary pests or mites.
- Ovicidal¹, ovi-larvicidal, larvicidal and adult activity.^{2,3}
- IRAC Group 28 mode of action is different than OPs, pyrethroids, spinosyns and IGRs.
- Compatible with commonly used insecticides, miticides and fungicides.

¹ Significant ovicidal activity is observed at varying levels depending on pest species. Activity is maximized when eggs are laid onto treated surfaces.

² Disruption of adult insect behaviors in some pest species e.g., such as mate finding, mating, oviposition, feeding, locomotion and orientation.

³ Adult mortality is species, application rate, exposure level and time dependent for NOW based on lab and field studies.

FOLIAR APPLICATION

- Depending on the level of pest infestation, use of higher rates in the label rate range and multiple applications may be needed.
- Thorough spray coverage is essential to achieve best results. Select a spray volume appropriate for the size of trees and density of foliage.
- Avoid using less than the labeled rates when applied alone or in tank mixtures.
- Target the most susceptible insect life stages.
- Avoid using the same mode of action i.e., same IRAC Group number on consecutive generations of insect pests.
- Make no more than two successive applications of Altacor insect control within a 30-day period to the same pest on a crop.
- Rotate with other effective insecticides with different mode of action for at least 30 days before using Altacor insect control.

INSECTS	APPLICATION INSTRUCTIONS
Codling Moth	For best results apply 100-150 gal. water/acre by ground.
Navel Orangeworm	
Peach Twig Borer	For codling moth: Make initial application at or before peak egg lay.
Oriental Fruit Moth	For NOW: Make an application at 1-5% hull split, and make a second application 10-14 days later.
Oblique Banded Leafroller	For PTB: May be used throughout the growing season. For spring application, apply at late dormant to early bloom. For summer application, apply at peak moth flight.
Light Brown Apple Moth	

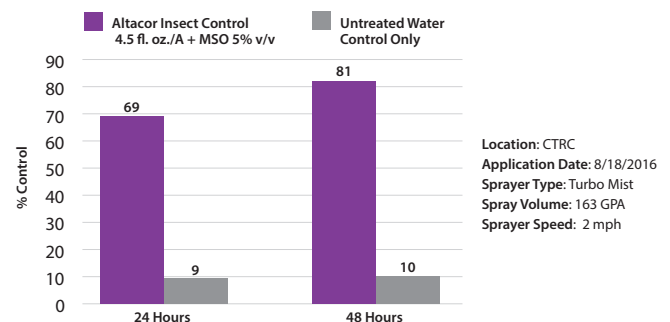
APPLICATION GUIDELINES

MAXIMUM APPLICATION RATE	4.5 fl. oz./A per application
RE-TREATMENT INTERVAL	10-14 days
PREHARVEST INTERVAL (PHI)	10 days
MAXIMUM APPLICATIONS PER YEAR	2 applications
RESTRICTED ENTRY INTERVAL	4 hours

For aerial application, use a minimum of 10 gal. water/acre.

ADULT NOW CONTROL IN ALMONDS FOLLOWING APPLICATIONS OF ALTACOR INSECT CONTROL

2016 Lab/Field Bioassay - Joel Sigel, USDA



Consistent adult NOW control in almonds with Altacor insect control at 4.5 oz./A + MSO 0.5% v/v. Mortality occurs 48-72 hours but adults are in distress or functionally dead within 24 hours.

Percentage kill at two heights (Low=4.9-6.9 and High=17.0-20.0 ft., following application of Altacor insect control at 4.5 oz./A at ground speeds of 1.8 mph and 2.4 mph. A total of 10,280 eggs and 1,028 almonds were used.

Application Equipment Speed (mph)	Days after Application	Height	Live	Dead	% Mortality -Kill-	# of Eggs
1.8	1	High	9	791	98.9	800
1.8		Low	25	1,455	98.3	1,480
2.4		High	8	792	99.0	800
2.4		Low	11	789	98.6	800
1.8	14	High	66	1,534	95.9 A	1,600
1.8		Low	54	1,546	95.6 A	1,600
2.4		High	206	1,349	87.1 B	1,600
2.4		Low	68	1,532	95.8 A	1,600

Means followed by a different letter differ at P< 0.0001.

Lower speed (1.8 mph) and high water volume (100-150 gal. of water/A) provided a consistent % mortality (kill) at both heights with residual up to 14 days.

FOR NOW

MAY SPRAY APPLICATIONS to summer generations: Make applications at peak moth flight timed at or before peak egg lay.

HULL-SPLIT APPLICATION TIMING make first application at early hull-split timing. Make a second app. approx. 10-14 days later. Depending on level of pest infestation, use of higher rates in the recommended rate range and multiple applications may be needed.