


The logo for Minecto Pro, featuring a stylized orange and pink hexagonal icon to the left of the text "Minecto® Pro".

**Minecto® Pro**

The Syngenta logo, consisting of the word "syngenta" in a lowercase, sans-serif font with a small leaf icon above the 'y'.

syngenta.

A close-up photograph of a tree nut branch with several green, fuzzy nuts and long, narrow green leaves. The background is dark and out of focus.

**Delivering  
exceptional control**  
of difficult to manage  
pests in tree nuts

Minecto Pro is a Restricted Use Pesticide.



# Minecto Pro offers exceptional control of the toughest pests in tree nuts



A broad-spectrum, foliar insecticide, Minecto® Pro controls the most important tree nut pests including navel orangeworm, peach twig borer and spider mites. Harnessing the power of two complementary active ingredients, cyantraniliprole and abamectin, into one convenient premix formulation, Minecto Pro protects against multiple pest populations that overlap or occur at the same time.

## Features and benefits

- Offers superior broad-spectrum control in tree nuts
- Contains the active ingredient cyantraniliprole, a second generation diamide that provides a broader spectrum of control than first generation diamides
- Proven control of spider mites
- Provides two complementary modes of action (cyantraniliprole and abamectin), carefully selected to help control overlapping or simultaneous pest populations
- Allows for robust use rates of each active ingredient

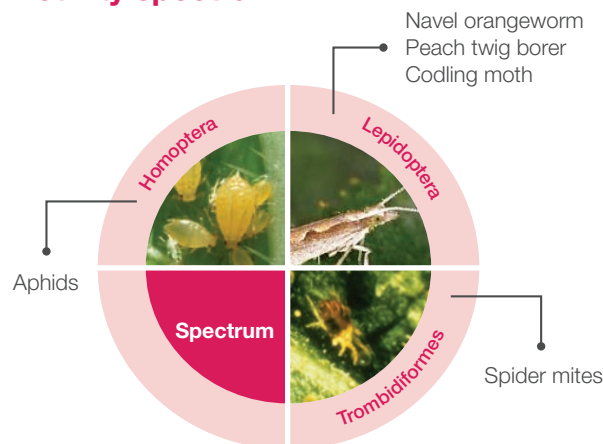
## Best use guidelines

1. Minecto Pro must always be mixed with a non-phytotoxic, non-ionic activator type wetting, spreading and/or penetrating spray adjuvant or horticultural oil (not a dormant oil).
2. When pest populations are high, use the highest rate allowed for that pest.
3. Thorough coverage is essential to obtain best results. Select a spray volume appropriate for the size of the crop and density of foliage.
4. Apply by ground only.
5. Select a spray volume appropriate for the size of the trees and density of foliage but do not apply diluted product in a volume less than 40 gal/A.
6. Do not make more than 2 sequential applications.

## Insects controlled

- Codling moth
- European red mite
- Hickory shuckworm
- Obliquebanded leafroller
- Oriental fruit moth
- Pacific spider mite
- Peach twig borer
- Pecan nut casebearer
- Strawberry spider mite
- Twospotted spider mite
- Navel orangeworm
- Walnut aphid

## Activity spectrum



Minecto Pro is a Restricted Use Pesticide.

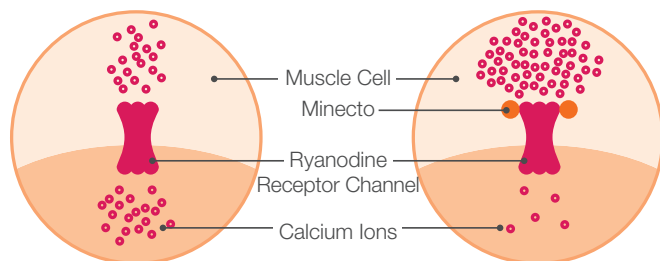


## Technical profile

<b>Chemistry</b>	Cyantraniliprole – IRAC Group 28 Abamectin – IRAC Group 6
<b>Mode of action</b>	Cyantraniliprole – 2nd generation diamide with a novel mode of action on insect ryanodine receptors Abamectin – A mectin with a unique agonist mode of action on the neurotransmitter gamma-aminobutyric acid (GABA)
<b>Formulation</b>	Formulated as a suspension concentrate (SC) and contains 1.13 lb cyantraniliprole and 0.24 lb abamectin per gallon
<b>Systemicity</b>	Translaminar movement
<b>Precautions</b>	Signal word: Warning
<b>Re-entry interval (REI)</b>	12 hours

## Mode of action

Calcium is released, muscle contracts



Cyantraniliprole is a ryanodine receptor modulator. It binds to the insect's ryanodine receptor in muscle cells and causes the channel to open. This results in a flow of calcium ions from internal stores to the cytoplasm causing **muscle paralysis**, **cessation of feeding** and **ultimately insect death**.

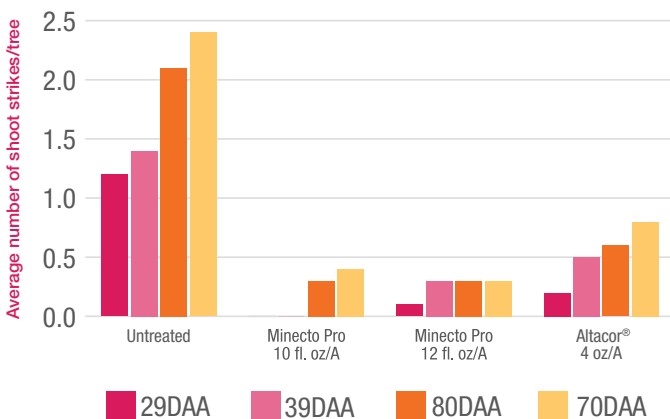
## Label at a glance\*

<b>Rate (fl oz/A)</b>	<ul style="list-style-type: none"> <li>• Codling moth</li> <li>• European red mite</li> <li>• Hickory shuckworm</li> <li>• Obliquebanded leafroller</li> <li>• Oriental fruit moth</li> </ul>	<ul style="list-style-type: none"> <li>• Pacific spider mite</li> <li>• Peach twig borer</li> <li>• Pecan nut casebearer</li> <li>• Strawberry spider mite</li> <li>• Twospotted spider mite</li> </ul>	8.0–12.0
	• Navel orangeworm	• Walnut aphid	10.0–12.0
<b>Maximum rate per application (fl oz/A)</b>	12.0		
<b>Minimum spray volume gallons per acre (GPA)</b>	Do not apply by air, 40.0 by ground		
<b>Preharvest Interval (PHI)</b>	21 Days		
<b>Adjuvants</b>	Always mix with a non-phytotoxic, non-ionic activator type wetting, spreading and/or penetrating spray adjuvant or horticultural oil (not a dormant oil) as specified on the label. Do not use binder or sticker type adjuvants because these type adjuvants may reduce translaminar movement of the active ingredient into the plant, and can result in reduced efficacy.		
<b>Minimum application interval</b>	21 days		

\*Always consult the individual product label for complete use directions and application information

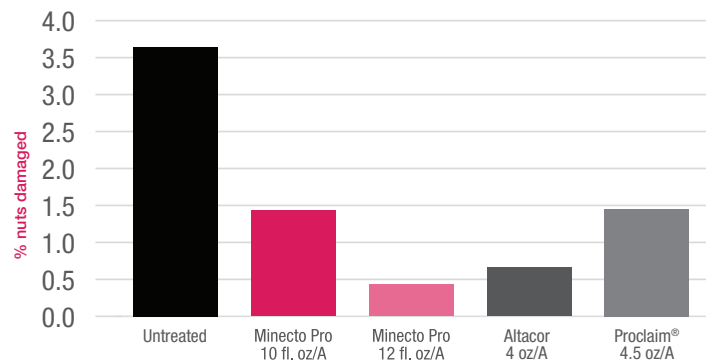


### Peach twig borer control in almonds ("May spray" timing)



All treatments included an MSO/NIS blend adjuvant @ 0.125% v/v  
Foliar application: One application on 5/01/2015  
USWD012042015 – Cooperator trial, CA

### Almond lep complex\* control ("hull-split" timing)



\*The lep complex included navel orangeworm, peach twig borer and oriental fruit moth.  
All treatments included an MSO/NIS blend adjuvant @ 0.13% v/v  
Foliar application: Two application on a 14-day interval, 1st at 1% hull-split  
USWC010022015 – Internal Syngenta trial, CA

For more information visit [www.SyngentaUS.com/MinectoPro](http://www.SyngentaUS.com/MinectoPro).

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