



 **Minecto[®] Pro**

syngenta[®]

**Delivering
exceptional control**
of difficult to manage
pests in California citrus

Minecto Pro is a Restricted Use Pesticide.

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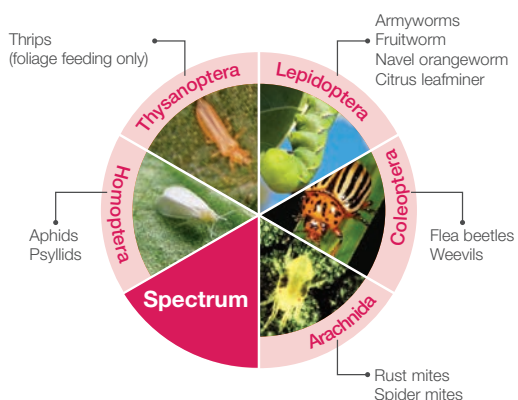
Minecto Pro delivers pinpoint accuracy against the toughest pests in citrus

A broad-spectrum, foliar insecticide, Minecto® Pro controls the most important citrus pests including Asian citrus psyllid, citrus thrips, citrus leafminer and 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 citrus
- Controls the most important citrus pests including Asian citrus psyllid, citrus thrips, citrus leafminer and mites
- Contains the active ingredient cyantraniliprole, a second generation diamide that provides a broader spectrum of control than first generation diamides
- 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
- Is an excellent alternative to foliar neonicotinoid insecticides

Activity spectrum

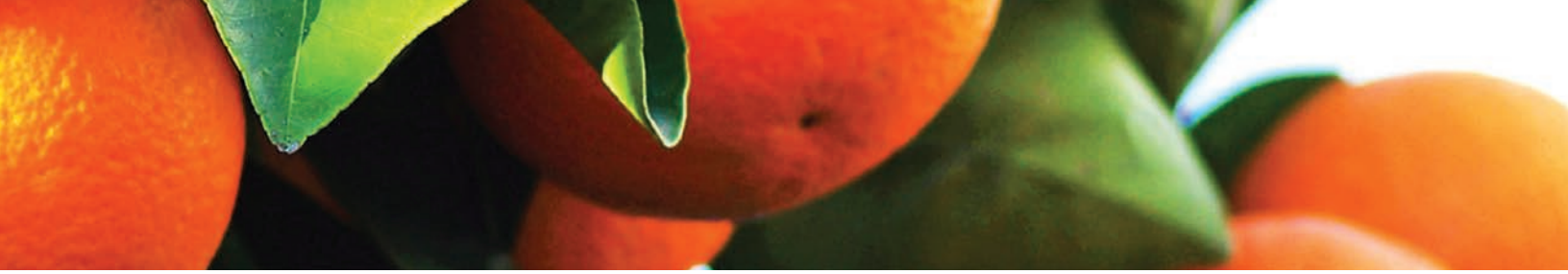


Insects controlled

Citrus leafminers
Citrus rust mites
Asian citrus psyllids
Broad mites
Citrus bud mites
Citrus thrips
Cotton aphids
Twospotted spider mites

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 this product diluted in a minimum volume of 30.0 gal/A by ground application. Under conditions such as high pest populations, dense foliage, or adverse application conditions (such as high temperatures), use a greater volume of water to ensure adequate coverage.
5. Apply this product diluted in a minimum volume of 10.0 gal/A by air.
6. With aerial application, the resulting level and duration of control of Asian citrus psyllid and citrus leafminer could be reduced compared to ground application. When applying by air, use the higher end of the rate range (11.0 – 12.0 fl oz/A).
7. Do not make more than 2 sequential applications.
8. Do not apply in citrus nurseries.

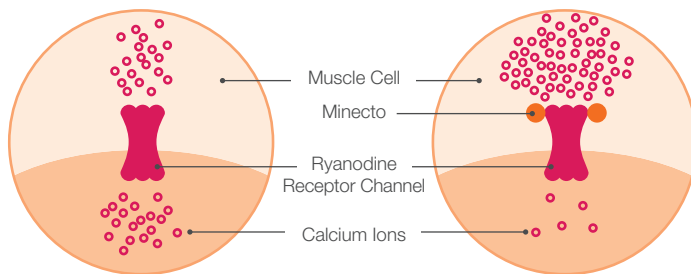


Technical profile

Chemistry	Cyantraniliprole – IRAC Group 28 Abamectin – IRAC Group 6
Mode of action	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)
Formulation	Formulated as a suspension concentrate (SC) and contains 1.13 lb cyantraniliprole and 0.24 lb abamectin per gallon
Systemicity	Translaminar movement
Precautions	Signal word: Warning
Re-entry interval (REI)	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*

Rate (fl oz/A)	Citrus leafminer	8.0 – 12.0
	Citrus rust mite	
	Asian citrus psyllid	10.0 – 12.0
	Broad mite	
	Citrus bud mite	
	Citrus thrips	
	Cotton aphid	
Twospotted spider mite		
Maximum rate per application (fl oz/A)	12.0	
Minimum spray volume gallons per acre (GPA)	30.0 by ground/10.0 by air	
Preharvest Interval (PHI)	7 days	
Adjuvants	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.	
Minimum application interval	30 days	

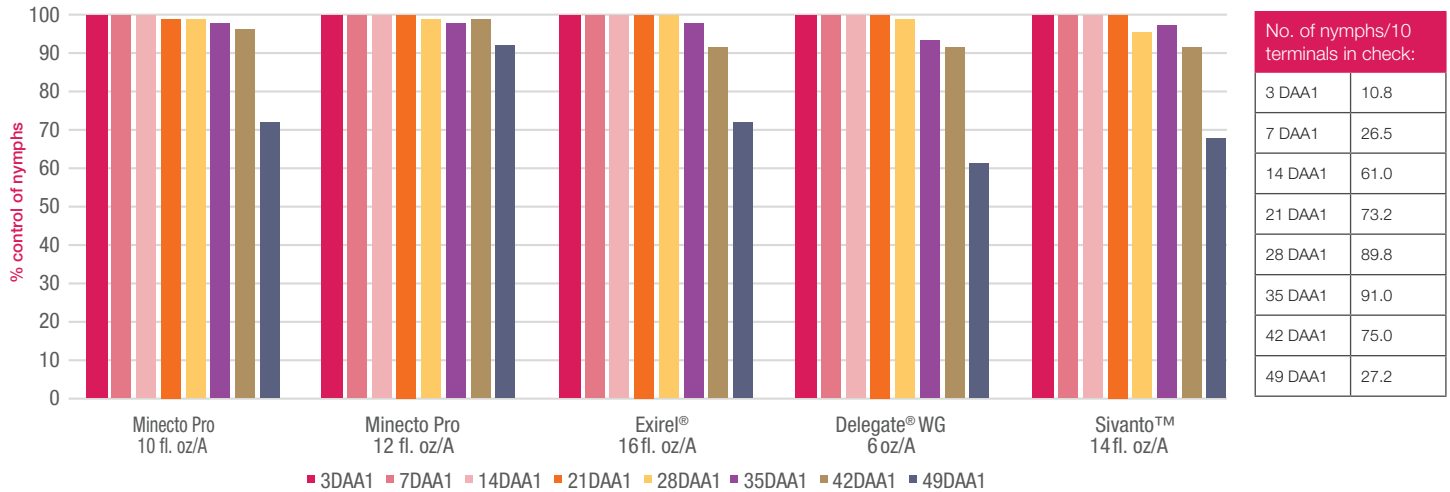
*Always consult the individual product label for complete use directions and application information

Premier insecticide timing chart for Syngenta brands in California citrus*



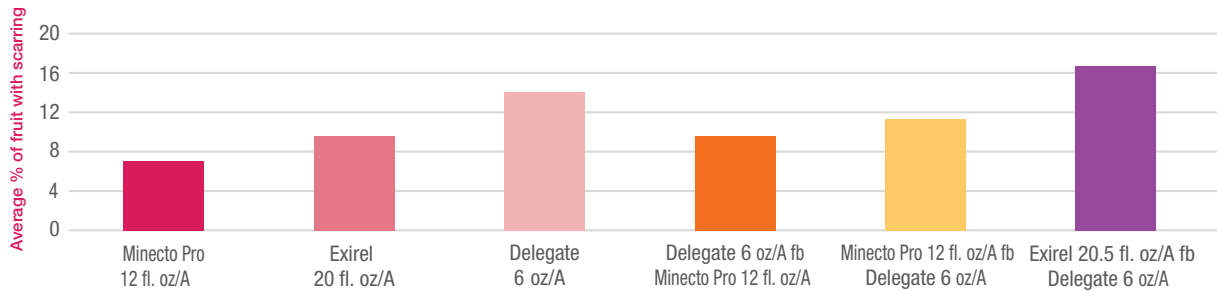
*Do not apply during bloom

Asian citrus psyllid control (nymphs)



All treatments included an MSO/NIS blend adjuvant @ 0.25% v/v except Delegate which included horticultural oil @ 2% v/v
Foliar application/One application August 21, 2016
USWA01032016: Cooperator trial, CA

Citrus thrips (scarring)



All treatments included mineral oil @ 0.5% v/v
Two foliar applications on a 14 day interval starting on April 19, 2016
University of California trial

For more information visit www.SyngentaUS.com/MinectoPro.

Minecto Pro

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