



syngenta.

**Delivering  
exceptional control**  
of difficult to manage  
pests in onions





# Minecto Pro offers exceptional control of the toughest pests in onions

A broad-spectrum, foliar insecticide, Minecto® Pro controls the most important onion pests including leafminers and thrips. Harnessing the power of two complementary active ingredients, cyantraniliprole and abamectin, into one convenient premix formulation, Minecto Pro protects against the toughest onion pests.

## Features and benefits

- Controls the most problematic pests in onions including thrips and leafminers
- 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), that are both active on thrips and leafminers
- Allows for robust use rates of each active ingredient

## Insects controlled

*Liriomyza* leafminers  
Thrips (foliage feeding only)



## 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. For best control of thrips, use 10.0 fl oz/A.
4. Thorough coverage is essential to obtain best results. Select a spray volume appropriate for the size of the crop and density of foliage.
5. Apply this product diluted in a minimum volume of 20.0 gal/A by ground application or 5.0 gal/A by air. 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.
6. For best control apply Minecto Pro with ground application equipment. With aerial application, the resulting level and duration of control could be less than with ground application.
7. Do not make more than 2 sequential applications.

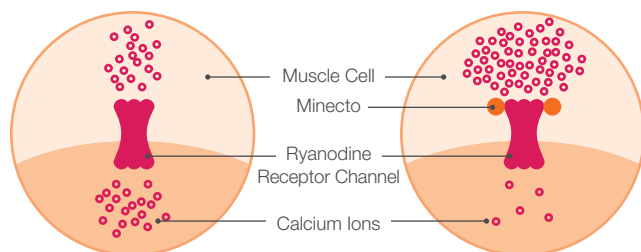


## Technical profile

<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</b> (fl oz/A)	<i>Liriomyza</i> leafminers Thrips (foliage feeding only)	5.5 – 10.0
<b>Maximum rate per application</b> (fl oz/A)	10.0	
<b>Minimum spray volume</b> gallons per acre (GPA)	5.0 by air/ 20.0 by ground	
<b>Preharvest Interval (PHI)</b>	30 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>	7 days	

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

## Untreated

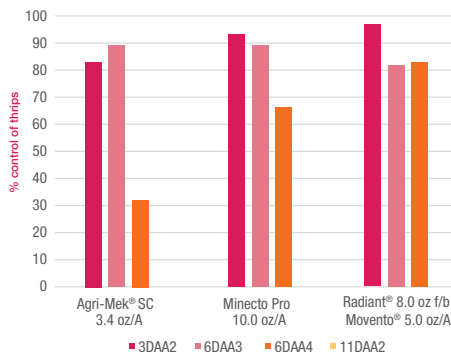


Note: Foliar application: Three applications on 9/11; 9/17; 9/24  
USWB01128 2015 – Internal Syngenta trial, CA

## Minecto Pro



### Onion thrips control (adults & nymphs)

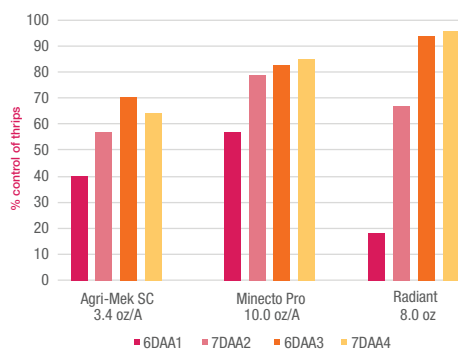


No. of total thrips/6 plants in check:	
3 DAA2	12.8
6 DAA2	8.7
11 DAA2	5.7

Variety: Yellow Onion

All treatments included an MSO/NIS blend adjuvant @ 0.5 % v/v  
Foliar application: Two applications on 6/27; 7/3  
USWF013542015 – Internal Syngenta trial, Hermiston, OR

### Onion thrips control (adults & nymphs)

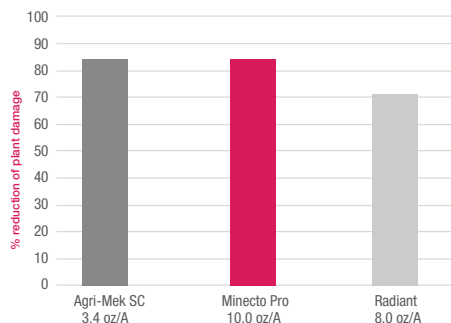


No. of total thrips/15 plants in check:	
6 DAA1	188.0
7 DAA2	798.0
6 DAA3	585.0
7 DAA4	718.0

Variety: Yellow Onion

All treatments included NIS @ 0.1 % v/v  
Foliar application: Four applications on 7/7; 7/13; 7/21; 7/27  
USEC011042015 – Cooperator trial, NY

### Onion thrips damage reduction

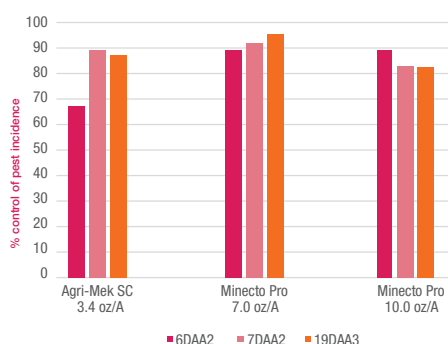


No. damage in check (1-10 scale):	
5.8	

Variety: Yellow Onion

All treatments included NIS @ 0.1 % v/v  
Damage evaluation: August 11, 2015  
USEC011042015 – Cooperator trial, NY

### Pea leafminer control in spring onions



% pest incidence/10 plants	
6 DAA2	23.0
8 DAA3	45.0
19 DAA3	55.0

Variety: Ishikura Improved

All treatments included an organosilicone adjuvant @ 0.1% v/v  
Foliar application: Three applications on 9/11; 9/17; 9/24  
USWB01128 2015 – Internal Syngenta trial, CA

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

 **Minecto<sup>®</sup> Pro**

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GS: 1184.10-6216

SLC 8001C 3/17