



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

February 16, 2018

Mr. Pat McCain  
Syngenta Crop Protection, LLC  
P.O. Box 18300  
Greensboro, NC 27419

**Subject:** Label Amendment – Thiamethoxam – Syngenta Request for Me-Too Time-Limited Uses on Carrot; Head and Stem Brassica Crop Subgroup 5A; Leafy Brassica Greens Crop Subgroup 5B; Leafy Vegetables (Except Brassica Vegetables) Crop Group 4; and Onion (dry bulb) expiring 5/16/18  
Product Name: Cruiser Insecticide  
EPA Registration Number: 100-941  
Application Date: 6/13/17  
Decision Number: 531374

Dear Mr. McCain:

The application referred to above, submitted under the Federal Insecticide, Fungicide and Rodenticide Act, as amended is acceptable under FIFRA for a limited period of time. Specifically, these new me-too uses being granted in this amendment will automatically expire on 5/16/18. The following terms apply:

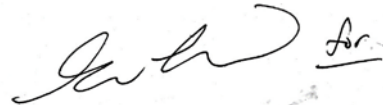
- 1) The uses approved by this action: Carrot; Head and Stem Brassica Crop Subgroup 5A; Leafy Brassica Greens Crop Subgroup 5B; Leafy Vegetables (Except Brassica vegetables) Crop Group 4; and Onion (dry bulb), will expire on 5/16/18 and shall be deleted from labeling released for shipment after that date unless prior to that time EPA has approved an amendment extending or eliminating the expiration date.
- 2) Following any expiration of these uses, EPA will issue an order under FIFRA addressing disposition of products bearing such expired uses that are in the channels of trade.
- 3) If the Agency determines it will not be able to grant an extension or remove the time-limitation, upon notification from the Agency, you must submit revised labeling with the subject me-too uses removed 1 month prior to expiration.
- 4) If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.
- 5) You must submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these terms. If you have any questions, please contact Meredith Laws by phone at number, or via email at [laws.meredith@epa.gov](mailto:laws.meredith@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'M. Laws', with a horizontal line underneath the name.

Meredith F. Laws, Chief  
Invertebrate and Vertebrate Branch 3  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure

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**SUPPLEMENTAL LABELING**

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**Syngenta Crop Protection, LLC**  
P. O. Box 18300  
Greensboro, North Carolina 27419-8300

<b>GROUP</b>	<b>4A</b>	<b>INSECTICIDE</b>
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**Cruiser® Insecticide**

**This supplemental label expires on 05/16/2018 and must not be used or distributed after this date.**

<i>Active Ingredient:</i>	
Thiamethoxam* .....	47.6%
<i>Other Ingredients:</i>	52.4%
Total:	100.0%

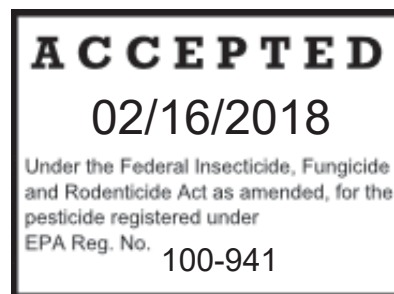
<sup>1</sup>CAS No. 153719-23-4

Cruiser Insecticide is a flowable concentrate for seed treatment containing 5 lb thiamethoxam per gallon.

**KEEP OUT OF REACH OF CHILDREN.**

**CAUTION**

**EPA Reg. No. 100-941**



**All applicable directions, restrictions and precautions on the EPA registered label are to be followed. Before using Cruiser Insecticide as permitted according to this Supplemental Label, read and follow all applicable directions, restrictions, and precautions on the EPA registered label on or attached to the pesticide product container. This Supplemental Labeling contains revised use instructions and/or restrictions that may be different from those that appear on the container label. This Supplemental Labeling must be in the possession of the user at the time of pesticide application. It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.**

**syngenta**

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

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### SEED CONTAINER LABEL REQUIREMENTS

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- Treated seeds of Carrot and Leafy Vegetables (Except Brassica Vegetables) Crop Group 4 must be planted into the soil at a depth of 0.125 inches or greater.
- Treated seeds of Dry Bulb Onion, Head and Stem Brassica Crop Subgroup 5A and Leafy Brassica Greens Crop Subgroup 5B must be planted into the soil at a depth of 0.25 inches or greater.
- For carrot, head and stem Brassica crop subgroup 5A, leafy Brassica greens crop subgroup 5B, and onion (dry bulb): Do not use at a rate that will result in more than 0.266 lb thiamethoxam per acre (120.66 grams ai/A). This seed has been treated with thiamethoxam at   x   mg ai/ seed.
- For leafy vegetables (except Brassica vegetables) crop group 4: Do not use at a rate that will result in more than 0.266 lb thiamethoxam per acre (120.66 grams ai/A). This seed has been treated with thiamethoxam at   x   mg ai/seed. Refer to the following table to determine the amount of thiamethoxam applied per acre based upon seeding rate and mg ai/seed application rate.

#### Pounds Thiamethoxam per Acre (grams ai per acre)–

##### Pelletized Lettuce Seed

Seeding Rate (Seeds/A)	Application Rate in Mg Thiamethoxam/Lettuce Seed							
	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2
<b>50,000</b>	0.055 (25)	0.066 (30)	0.077 (35)	0.088 (40)	0.099 (45)	0.110 (50)	0.121 (55)	0.132 (60)
<b>75,000</b>	0.083 (37.5)	0.099 (45)	0.116 (52.5)	0.132 (60)	0.149 (67.5)	0.165 (75)	0.182 (82.5)	0.198 (90)
<b>100,000</b>	0.110 (50)	0.132 (60)	0.154 (70)	0.176 (80)	0.198 (90)	0.220 (100)	0.242 (110)	0.265 (120)
<b>125,000</b>	0.138 (62.5)	0.165 (75)	0.193 (87.5)	0.220 (100)	0.248 (112.5)	*	*	*
<b>150,000</b>	0.165 (75)	0.198 (90)	0.231 (105)	0.265 (120)	*	*	*	*
<b>175,000</b>	0.193 (87.5)	0.231 (105)	*	*	*	*	*	*
<b>200,000</b>	0.220 (100)	0.265 (120)	*	*	*	*	*	*

\* Do not use at a rate that will result in more than 0.266 lb thiamethoxam per acre (120.66 grams ai/A) per year.

## SEED TREATMENT DIRECTIONS

Crop	Early-Season Pest Protection	Use Rate	Remarks/Restrictions
Carrot	Aphids, Certain Seed and Root Maggots, Flea Beetles, Whiteflies, and Wireworms	0.03 – 0.05 mg ai /seed	<b>RESTRICTION</b> Do not use Cruiser Insecticide at a rate that will result in more than 0.266 lb thiamethoxam per acre (120.66 grams ai/A).  [Not for use in California]
<b>HEAD AND STEM BRASSICA CROP SUBGROUP 5A</b>  Broccoli Brussels Sprouts Cabbage Cauliflower Cavalo Broccoli Chinese Broccoli (gai lon) Chinese Cabbage (napa) Chinese Mustard Cabbage (gai choy) Kohlrabi	Aphids, Cabbage Maggot, Certain Seed and Root Maggots, Flea Beetles, Whiteflies, and Wireworms	0.05 – 0.10 mg ai/seed	<b>RESTRICTION</b> Head and Stem Brassica seed must be pelleted*.  <b>RESTRICTION</b> Do not use a Cruiser Insecticide rate that will result in more than 0.266 lb thiamethoxam per acre (120.66 grams ai/A).  [Not for use in California]
<p><b>*Pelletized Head and Stem Brassica Seed</b> For head and stem Brassicas, Cruiser Insecticide MUST be applied in conjunction with pelletized seed. Any polymers, pelleting materials and seed coating materials used on the seed must be tested to be safe. Cruiser Insecticide is applied during the process of pelletizing seed and therefore all precautionary measures mentioned in the label must be followed. Consult with Syngenta Crop Protection for advice on application.</p>			
<b>LEAFY BRASSICA GREENS CROP SUBGROUP 5B</b>  Broccoli Raab (rapini) Chinese Cabbage (bok choy) Collards Kale Mizuna Mustard Greens Mustard Spinach Rape Greens	Aphids, Cabbage Maggot, Certain Seed and Root Maggots, Flea Beetles, Whiteflies, and Wireworms	0.05 – 0.10 mg ai/seed	<b>RESTRICTION</b> Leafy Brassica Greens seed must be pelleted*.  <b>RESTRICTION</b> Do not use a Cruiser Insecticide rate that will result in more than 0.266 lb thiamethoxam per acre (120.66 grams ai/A).  [Not for use in California]
<p><b>*Pelletized Leafy Brassica Greens Seed</b> For leafy Brassica greens, Cruiser Insecticide MUST be applied in conjunction with pelletized seed. Any polymers, pelleting materials and seed coating materials used on the seed must be tested to be safe. Cruiser Insecticide is applied during the process of pelletizing seed and therefore all precautionary measures mentioned in the label must be followed. Consult with Syngenta Crop Protection for advice on application.</p>			

Crop	Early-Season Pest Protection	Use Rate		Remarks/Restrictions								
<p><b>LEAFY VEGETABLES (EXCEPT BRASSICA VEGETABLES) CROP GROUP 4</b></p> <p><b>Amaranth</b> (leafy amaranth, Chinese spinach, tampala)  <b>Arugula</b> (Roquette)  <b>Cardoon</b>  <b>Celery</b>  <b>Celery, Chinese</b>  <b>Celtuce</b>  <b>Chervil</b>  <b>Chrysanthemum, Edible-leaved</b>  <b>Chrysanthemum, Garland</b>  <b>Corn Salad</b>  <b>Cress, Garden</b>  <b>Cress, Upland</b> (yellow rocket, winter cress)  <b>Dandelion</b>  <b>Dock</b> (sorrel)  <b>Endive</b> (escarole)  <b>Fennel, Florence</b> (finocchio)  <b>Lettuce, Head and Leaf</b>  <b>Orach</b>  <b>Parsley</b>  <b>Purslane, Garden</b>  <b>Purslane, Winter</b>  <b>Radicchio</b> (red chicory)  <b>Rhubarb</b>  <b>Spinach, New Zealand</b>  <b>Spinach, Vine</b> (Malabar spinach, Indian spinach)  <b>Swiss Chard</b></p>	<p>Aphids, Flea Beetles, Leafminers, and Whiteflies</p>	<p>0.50 – 1.20 mg ai/seed*            (*see Pelletized Lettuce use rate table under Seed Container Label Requirements)</p>		<p>For protection against certain diseases, Cruiser Insecticide may be applied along with labelled fungicides, including Apron XL, Dynasty, and Maxim 4FS.</p> <p><b>RESTRICTION</b>  <b>Leafy Vegetable seed must be pelletized**.</b></p> <p><b>RESTRICTION</b>  <b>Do not use at a rate that will result in more than 0.266 lb thiamethoxam per acre (120.66 grams ai/A).</b></p> <p>[Not for use in California]</p>								
<p><b>Baby Leafy Lettuce and Mesclan Mixes</b></p>	<p>Aphids, Flea Beetles, Leafminers, and Whiteflies</p>	<table border="1"> <thead> <tr> <th colspan="2" data-bbox="704 1190 990 1241"><b>Baby Leafy Lettuce and Mesclan Mixes</b></th> </tr> <tr> <th data-bbox="704 1241 867 1339"><b>Suggested Seeding Rates (Seeds/Acre)</b></th> <th data-bbox="867 1241 990 1339"><b>Use Rate (mg ai/seed)</b></th> </tr> </thead> <tbody> <tr> <td data-bbox="704 1339 867 1394">Up to 2,000,000</td> <td data-bbox="867 1339 990 1394">0.06</td> </tr> <tr> <td data-bbox="704 1394 867 1451">Up to 3,000,000</td> <td data-bbox="867 1394 990 1451">0.04</td> </tr> </tbody> </table>		<b>Baby Leafy Lettuce and Mesclan Mixes</b>		<b>Suggested Seeding Rates (Seeds/Acre)</b>	<b>Use Rate (mg ai/seed)</b>	Up to 2,000,000	0.06	Up to 3,000,000	0.04	
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Up to 1,000,000	0.12											
<p><b>**Pelletized Lettuce Seed (Head, Mature Leaf and Romaine Lettuce)</b>            For head, romaine and leaf lettuce, Cruiser Insecticide MUST be applied in conjunction with pelletized seed. Any polymers, pelleting materials and seed-coating materials used on the seed must be tested to be safe. Cruiser Insecticide is applied during the process of pelletizing seed and therefore all precautionary measures mentioned in the label must be followed. Consult with Syngenta Crop Protection for advice on application.</p>												

Crop	Early-Season Pest Protection	Use Rate	Remarks/Restrictions
Onion, Dry Bulb	Aphids, Leafminers, Seedcorn Maggot, and Wireworms	0.05 – 0.20 mg ai/seed	<p>Cruiser Insecticide may also be applied with Regard® SC for onion maggot protection.</p> <p><b>RESTRICTION</b> Onion, Dry Bulb, seed must be pelletized*.</p> <p><b>RESTRICTION</b> Do not use a Cruiser Insecticide rate that will result in more than 0.266 lb thiamethoxam per acre (120.66 grams ai/A), based on a maximum seeding rate of 406,000 seeds/acre.</p> <p>[Not for use in California]</p>
<p><b>*Pelletized Dry Bulb Onion Seed</b> For dry bulb onion, Cruiser Insecticide MUST be applied in conjunction with pelletized seed. Any polymers, pelleting materials and seed-coating materials used on the seed must be tested to be safe. Cruiser Insecticide is applied during the process of pelletizing seed and therefore all precautionary measures mentioned in the label must be followed. Consult with Syngenta Crop Protection for advice on application.</p>			

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