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**PRODUCT INFORMATION**

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**Syngenta Crop Protection, Inc.**  
Greensboro, NC 27409  
www.syngenta-us.com

**SUPPLEMENTAL LABEL FOR CRUISER® 5FS INSECTICIDE**

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

**Supplemental directions for control of certain insects on legume vegetables, oilseed crops (rapeseed, Indian rapeseed, Indian mustard seed, field mustard seed, black mustard seed, flax seed, safflower seed, crambe seed and borage seed), and potatoes.**

Active Ingredient:	
Thiamethoxam <sup>1</sup> .....	47.6%
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Other Ingredients:	52.4%
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Total:	100.0%

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

Cruiser 5FS contains 5 pounds thiamethoxam per gallon.

**KEEP OUT OF REACH OF CHILDREN.**

**All applicable directions, restrictions and precautions on the EPA-registered label are to be followed.**

**Before using Cruiser 5FS 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 supersedes the Directions for Use 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.**

## DIRECTIONS FOR USE

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### SEED BAG LABEL REQUIREMENTS

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The Federal Seed Act requires that bags containing treated seeds shall be labelled with the following statements:

- This seed has been treated with Thiamethoxam insecticide.
- Do not use for feed, food or oil purposes.

In addition, the U.S. Environmental Protection Agency requires the following statements on bags containing seeds treated with Cruiser 5FS (thiamethoxam):

- Store away from food and feedstuffs.
- Wear long-sleeved shirt, long pants and chemical-resistant gloves when handling treated seed.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading.
- Dispose of all excess treated seed.
- Do not contaminate water bodies when disposing of planting equipment wash waters.
- Dispose of seed packaging in accordance with local requirements.
- In the event of crop failure or harvest of a crop grown from Cruiser 5FS treated seed, the field may be replanted immediately to barley, canola, corn, cotton, cucurbit vegetables, fruiting vegetables, legume vegetables, mint (peppermint and spearmint), oil seed crops (rapeseed, Indian rapeseed, Indian mustard seed, field mustard seed, black mustard seed, flax seed, safflower seed, crambe seed and borage seed), root vegetables (except sugar beets), sorghum, strawberry, sunflowers, tobacco, tuberous and corm vegetables and wheat. For any other crop, the minimum plant back interval is 120 days from the date the Cruiser 5FS treated seed was planted. A cover crop other than the crops listed above that is planted for erosion control or soil improvement may be planted sooner than the 120 day interval; however, the crop may not be grazed or harvested for food or feed.

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## CROP USE DIRECTIONS

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### Legume Vegetable Group

**Bean (*Lupinus species*)** (includes grain, sweet, white, white sweet lupin)

**Bean (*Phaseolus species*)** (includes field bean, kidney bean, lima bean, navy bean, runner bean, snap bean, tepary bean, wax bean)

**Bean (*Vigna species*)** (includes adzuki bean, asparagus bean, blackeyed pea, catjang, Chinese longbean, cowpea, Crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean, yardlong bean)

**Broad bean (fava bean)**

**Chickpea (garbanzo bean)**

**Guar**

**Jackbean**

**Lablab bean (hyacinth bean)**

**Lentil**

**Pea (*Pisum species*)** (includes dwarf pea, edible-pod pea, English pea, field pea, garden pea, green pea, snow pea, sugar snap pea)

**Pigeon pea**

**Soybean**

**Sword bean**

To provide early season protection of seedlings against injury by aphids, bean leaf beetle, Mexican bean beetle, pea leaf weevil, pea weevil, plant leaf hopper, seed corn maggot, thrips and wireworm, apply Cruiser 5FS at 1.28 fl. oz. per 100 lbs. of seed.

It is highly recommended to use Cruiser 5FS with compatible and registered seed treatment fungicides proven to control seed and seedling diseases. These fungicides must show safety on treated seed, alone and in combination with Cruiser 5FS.

**Oil Seed Crops** (Rapeseed seed, Indian rapeseed seed, Indian mustard seed, field mustard seed, black mustard seed, flax seed, safflower seed, crambe seed and borage seed)

To provide early season protection of seedlings against injury by crucifer flea beetles and wireworms, apply Cruiser 5FS at 10.24 fl. oz. per 100 lbs. of seed.

It is highly recommended to use Cruiser 5FS with compatible and registered seed treatment fungicides proven to control seed and seedling diseases. These fungicides must show safety on treated seed, alone and in combination with Cruiser 5FS.

## Potatoes

Cruiser 5FS potato seed treatment is to be used as an integral part of a potato pest management strategy. This strategy includes the use of certified seed, proper crop rotation, insect population thresholds, appropriate control measures, optimal harvest time for tubers and proper handling of tubers without bruising. Consult your local agricultural extension agent for more detailed information on insect management practices.

### Application Procedure

Apply Cruiser 5FS using only Syngenta approved equipment that is designed to apply liquid seed treatment products to potatoes, i.e. Spud Gun™. Follow the equipment manufacturers instructions for set-up and calibration. Cruiser 5FS may require dilution prior to atomization and application to potatoes (see equipment use instructions). Ensure that spray nozzles are properly hooded and shielded to prevent any spray drift from moving off target. Apply Cruiser 5FS only in well-ventilated areas. Syngenta Crop Protection will not warranty the field performance of Cruiser 5FS if the application is made through non-Syngenta approved equipment. The mixture is applied as a fine spray over the cut or whole seed tubers. The quantity of water and Cruiser 5FS volume is adjusted based on the amount of seed moved under the hood. It is mandatory that the equipment be calibrated to deliver a maximum of 4 fl. oz. of the mixture per 100 lbs. of seed consistently. Applying excess moisture may predispose the seed to rotting, resulting in poor emergence and stand. Generally, liquid based fungicides (such as Maxim 4FS), can be applied with Cruiser 5FS, however check compatibility of the fungicides with Cruiser 5FS before use. If inert dust (fir bark, talc, etc.) or a dust-based fungicide is used apply the Cruiser 5FS seed treatment before applying the dust.

It is highly recommended to use Cruiser 5FS with compatible and registered seed treatment fungicides proven to control seed and seedling diseases. These fungicides must show safety on treated seed.

Use Cruiser 5FS seed treatment to provide protection against injury from green peach aphids, potato aphids, Colorado potato beetles, flea beetles, potato leafhoppers and psyllids. Cruiser 5FS will also control wireworms that feed on the seed piece. Length of control will vary depending on the rate used, soil and environmental condition and insect pressure. Consult your Syngenta representative for information specific to your area or region.

Choose the appropriate Cruiser 5FS rate from the **Cruiser 5FS Rate Chart**, based upon your seeding rate and row spacing:

**Cruiser 5FS Rate Chart for Potato Seeding Rates and Row Spacing**

Seeding Rate-100 lbs./A	Row Spacing in Inches	Fl. oz. per 100 lbs.* of Potato Seed Tubers
20	<b>34</b>	0.16
	<b>36</b>	0.16
	<b>38</b>	0.16
21	<b>34</b>	0.15
	<b>36</b>	0.15
	<b>38</b>	0.15
22	<b>34</b>	0.14
	<b>36</b>	0.15
	<b>38</b>	0.15
23	<b>34</b>	0.14
	<b>36</b>	0.14
	<b>38</b>	0.14
24	<b>34</b>	0.13
	<b>36</b>	0.14
	<b>38</b>	0.14
25	<b>34</b>	0.13
	<b>36</b>	0.13
	<b>38</b>	0.13
26	<b>34</b>	0.12
	<b>36</b>	0.13
	<b>38</b>	0.13
27	<b>34</b>	0.12
	<b>36</b>	0.12
	<b>38</b>	0.12
28	<b>34</b>	0.11
	<b>36</b>	0.11
	<b>38</b>	0.11

\*Rates shown are for standard 2 - 2 ½ oz. seed pieces size

When considering the Cruiser 5FS use rates, seeding rates, and row spacing not covered in the above table, make sure that you do not apply more than a total of 0.125 lbs. active ingredient per acre.

**Treated Seed Storage**

**If the treated seed needs to be stored or held for a few days, make sure that there is adequate cool air (60°F) movement through the pile of cut seed potatoes at**

**relative humidity of 85-90%. Cut and treated seed should not be piled above 6 ft. in height. Best results are obtained if potatoes are planted immediately after Cruiser 5FS seed treatment. When transporting cut and Cruiser 5FS treated seed, make sure the seed is covered.**

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