

100-1247

03-16-2011

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

MAR 16 2011

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

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

Subject: Removal of Expired Patent Numbers

Dear Mr. Dinnen:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated March 3, 2011 for:

**EPA Reg. No 100-1247**

**EPA Reg. No. 100-1248**

**Cruiser Maxx**

**Cruiser Maxx Potato Insecticide and Fungicide**

The Registration Division (RD) has conducted a review of this request for applicability under PRN 98-10 and finds that the label change(s) requested falls within the scope of PRN-98-10. The label has been date-stamped "Notification" and will be placed in our records.

If you have any questions, call me at 703 305-5409 or electronically at [daniel.dani@epa.gov](mailto:daniel.dani@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Dani Daniel".

Dani Daniel  
Registration Division (7504P)  
Insecticide/Rodenticide Branch

	NOTIFICATION	United States	<input type="checkbox"/>	Registration	OPP Identifier Number
	Environmental Protection Agency Washington, DC 20460	JAN 16 2011	<input type="checkbox"/>	Amendment	Notification
				<input checked="" type="checkbox"/>	Other

**Application for Pesticide - Section I**

1. Company/Product Number 100-1247	2. EPA Product Manager Venus Eagle	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) CruiserMaxx	PM# 1	
5. Name and Address of Applicant (Include ZIP Code) Syngenta Crop Protection, LLC P. O. Box 18300 Greensboro, NC 27419  <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:  EPA Reg. No. _____  Product Name _____

**Section - II**

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

**Explanation:** Use additional page(s) if necessary. (For Section I and Section II.).

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Remove expired patent numbers.

**Section - III**

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
*Certification must be submitted		If "Yes" Unit Packaging wgt.    No. per Container	If "Yes" Unit Packaging wgt.    No. per container	<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 15 gal.		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product				<input type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Other <u>Pressure Sensitive</u> <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled	

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Pat Dinnen	Title Staff Label Group Leader	Telephone No. (Include Area Code) 336-622-2494
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Staff Label Group Leader	
4. Typed Name Pat Dinnen	5. Date March 3, 2011	

# Certification with Respect to Label Integrity

Version: 9/11/02

I certify that the information (including, but not limited to, text, tables, and graphics) contained in the electronic file identified below by file name and submitted with this certification is the same information as that on the paper copies of these documents included with this submission.

<b>PROPOSED LABEL</b>		
EPA Registration #	Date Submitted to EPA	Electronic file name
100-1247	3/3/11	000100-01247.20110303.PATENT_NOTIF_MAR2011.pdf

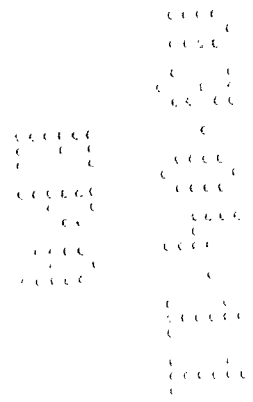
I certify that the statements that I have made on this form are true, accurate, and complete. I acknowledge that any knowingly false or misleading statements may be punishable by fine or imprisonment or both under applicable law.

Pat Dinnen  
Signature

March 3, 2011  
Date

Pat Dinnen  
Name (typed)

Label Group Leader  
Title



JAN 1 2011

**CruiserMaxx™**

**Insecticide with Fungicides**

A seed treatment product for protection against damage from certain insects, seed-borne diseases, and seedling diseases on legume vegetables (including soybeans)

Active Ingredients:

Thiamethoxam* .....	22.61%
Mefenoxam** .....	1.70 %
Fludioxonil*** .....	1.12 %
<hr/>	
Other Ingredients:	74.57 %
<hr/>	
Total:	100.00%

\*CAS No. 153719-23-4

\*\*CAS No. 70630-17-0 and CAS No. 69516-34-3

\*\*\*CAS No. 131341-86-1

One gallon of CruiserMaxx contains 2.15 lbs. thiamethoxam, 0.16 lbs. mefenoxam and 0.11 lbs. fludioxonil.

**KEEP OUT OF REACH OF CHILDREN.**

**CAUTION**

See additional precautionary statements and directions for use in booklet.

EPA Reg. No. 100-1247

EPA Est. XXXXX

SCP 1247-M(12-1-09) (2.5 gal.)

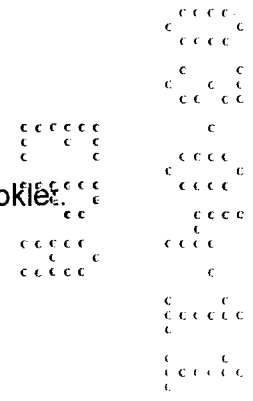
SCP 1247-M(12-1-09) (15 gal., bulk)

2.5 gallons

15 gallons

\_\_\_\_\_gallons

Net Contents



<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</p>	
<p><b>HOT LINE NUMBER</b>            For 24-Hour Medical Emergency Assistance (Human or Animal)            Or Chemical Emergency Assistance (Spill, Leak, Fire or Accident)            Call  <b>1-800-888-8372</b></p>	

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**PRECAUTIONARY STATEMENTS**

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**Hazards to Humans and Domestic Animals****CAUTION**

Harmful if swallowed. Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum, using tobacco, or using the toilet. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing.

**Personal Protective Equipment (PPE)**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category C on an EPA chemical resistance category selection chart.

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material – Category C (e.g., barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, polyvinyl chloride [PVC] ≥14 mils or Viton® ≥14 mils)
- Shoes plus socks
- Protective eyewear

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

### **Engineering Control Statements**

When handlers use closed systems in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### **User Safety Recommendations**

#### **Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

### **Environmental Hazards**

This product is toxic to wildlife and highly toxic to aquatic invertebrates. Do not contaminate water when disposing of equipment wash water.

### **Physical and Chemical Hazards**

Do not use, pour, spill or store near heat or open flame

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**CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

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**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, LLC or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions, or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and (2) Buyer and User assume the risk of any such use. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.**

To the extent permitted by applicable law in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.



## DIRECTIONS FOR USE

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

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

**Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 48 hours.** Exception: If the seed is treated with the product and the treated seed is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Chemical-resistant gloves made of any waterproof material – Category C (e.g., barrier laminate, butyl rubber  $\geq 14$  mils, nitrile rubber  $\geq 14$  mils, neoprene rubber  $\geq 14$  mils, polyvinyl chloride [PVC]  $\geq 14$  mils or Viton®  $\geq 14$  mils)
- Shoes plus socks
- Protective eyewear

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR INSECT AND/OR DISEASE CONTROL, AND/OR ILLEGAL RESIDUES.**

Treatment of highly mechanically scarred or damaged seed, or seed known to be of low vigor and poor quality may result in reduced germination and/or reduction of seed and seedling vigor. Treat a quantity of seed using equipment similar to that planned for treating the total seed lot. Prior to treatment, conduct germination tests on a portion of seed before committing the total seed lot to a selected seed treatment.

Due to seed quality, crop or variety sensitivity, and seed storage conditions beyond the control of Syngenta, no claims are made to guarantee the germination of seed or propagating material for all crop seed when treated with CruiserMaxx.

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**USE INFORMATION**

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CruiserMaxx is a seed treatment product containing the active ingredients: thiamethoxam (insecticide) and fludioxonil and mefenoxam fungicides. CruiserMaxx protects against damage from certain early season insects, soil-borne and seed-borne diseases of crop plants.

Thiamethoxam is a systemic seed treatment insecticide belonging to the neoticotinoid class of chemistry. Thiamethoxam protects against certain chewing and sucking insects through contact and ingestion.

Mefenoxam fungicide is active against *Pythium*, *Phytophthora* and systemic downy mildew.

Fludioxonil fungicide is active against *Fusarium*, *Rhizoctonia*, and suppresses seed-borne *Sclerotinia* and *Phomopsis* species.

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**MIXING PROCEDURES**

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**Important:** Always re-circulate CruiserMaxx thoroughly before using.

The typical density of CruiserMaxx is 9.51 pounds per gallon. Consult the manufacturer of the application equipment you plan to use for suitability for this application and for instructions on operation and calibration of the equipment. Follow the manufacturer application instructions for the seed treatment equipment being used.

Apply CruiserMaxx as a water-based slurry utilizing standard slurry seed treatment equipment which provides uniform seed coverage. Uneven or incomplete seed coverage may not give the desired level of disease control. Thoroughly mix the

specified amount of CruiserMaxx into the required amount of water or liquid inoculant for the slurry treater and dilution rate to be used.

Certain crops require addition of inoculants when the seed is treated or planted. CruiserMaxx is compatible with several liquid inoculant products. Consult the maker of the inoculant product and a Syngenta Crop Protection representative for directions before applying CruiserMaxx with inoculants.

Under certain disease conditions, additional amounts of fungicides may be required. When needed, apply additional ApronXL® and Maxim® 4FS according to the **CROP USE DIRECTIONS**. Other tank mix partners may be used with CruiserMaxx; however, the user must consider the use rate, formulation, seed and crop safety factors and compatibility of each product to be mixed when determining the total application volume.

The total application volume must be sufficient to provide desired level of coverage. Dilution is typically done with water or liquid inoculants. The minimum slurry volume to achieve adequate coverage is 4.0 fluid ounces per 100 pounds of seed. More diluent may be required to obtain complete coverage.

Continuous agitation or mixing of the slurry mixture is necessary to prevent settling out of the solution

Allow seed to dry before bagging.

Follow planter manufacturer recommendations for use of talc or other hopper box additives at planting. Seed should be completely dry before adding to planter.

CruiserMaxx contains an EPA approved dye/colorant that imparts an unnatural color to the seed as required by the Federal Seed Act.

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**SEED BAG LABEL REQUIREMENTS**

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Federal law requires that bags containing treated seeds shall be labeled with the following statements:

- This seed has been treated with thiamethoxam insecticide and fludioxonil and mefenoxam fungicides.
- Do not use for feed, food, or oil purposes.
- User is responsible for ensuring that the seed bag meets all requirements under the Federal Seed Act.

In addition, the U.S. Environmental Protection Agency requires the following statements on bags containing seeds treated with CruiserMaxx:

- Store away from feeds and foodstuffs.
- 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 a crop failure or harvest of a crop grown from CruiserMaxx treated seed, the field may be replanted immediately to barley, canola, corn, cotton, cucurbit vegetables, fruiting vegetables, legume vegetables (including soybeans), 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 CruiserMaxx 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.
- Do not allow children, pets, or livestock to have access to treated seed.
- Treated seed must be planted into the soil at a depth greater than 1 inch.
- Dispose of all excess treated seed. Leftover treated seed may be doublesown around the headland or buried away from water sources in accordance with local requirements. Do not contaminate water bodies when disposing of planting equipment washwaters.
- With the exception of soybeans, do not make any soil or foliar application of products containing thiamethoxam to crops grown from seed treated with CruiserMaxx.
- Do not use at a rate that will result in more than 0.266 lb. thiamethoxam per acre (120.66 grams a.i./A) per season.

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## **CROP USE PRECAUTIONS**

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### **Resistance Management**

Some insect pests are known to develop resistance to products after repeated use. Because resistance development cannot be predicted, the use of this product should conform to sound resistance management strategies established for the crop and use area. Syngenta encourages responsible product stewardship to ensure effective long-term control of the insects on this label.

If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternative method of control for your area.

CruiserMaxx contains a Group 4A insecticide (thiamethoxam, belonging to the neonicotinoid class of chemistry). Insect biotypes with acquired or inherent resistance to Group 4A insecticides may eventually dominate the insect population if Group 4A insecticides are used repeatedly as the predominant method of control for targeted species. This may result in partial or total loss of control of those species by CruiserMaxx or other Group 4A insecticides.

### **In order to maintain susceptibility to this class of chemistry:**

- Avoid using Group 4A insecticides exclusively for season long control of insect species with more than one generation per crop season.
- For insect species with successive or overlapping generations, apply CruiserMaxx or other Group 4A insecticides using a "treatment window" approach. A treatment window is a period of time as defined by the stage of crop development and/or the biology of the pests of concern. Within the treatment window, depending on the length of residual activity, there may either be single or consecutive applications (seed treatment, soil, foliar, unless otherwise stated) of the Group 4A insecticides. Do not exceed the maximum CruiserMaxx allowed per growing season.
- Following a treatment window of Group 4A insecticides, rotate to a treatment window of effective products with a different mode of action before making additional applications of Group 4A insecticides.
- A treatment window rotation, along with other IPM practices for the crop and use area, is considered an effective strategy for preventing or delaying a pest's ability to develop resistance to this class of chemistry.
- If resistance is suspected, do not reapply CruiserMaxx or any other Group 4A insecticides.

**Other Insect Resistance Management (IRM) practices include:**

- Incorporating IPM techniques into your insect control program.
- Monitoring treated insect populations for loss of field efficacy.
- Using tank-mixtures or premixes with insecticides from a different target site of action group as long as the involved products are all registered for the same crop outlet and effective rates are applied.

**For additional information on Insect Resistance Management:**

- Contact your local extension specialist, certified crop advisor and/or product manufacturer for additional insect resistance management recommendations.
- Visit the Insecticide Resistance Action Committee (IRAC) on the web at: <http://www.irc-online.org/>.

CruiserMaxx contains the fungicide mefenoxam, a systemic fungicide having a specific mode of action against fungal pathogens.

**Note:** The fungicide mefenoxam contained in this product could be subject to development of insensitive strains of fungi or may be ineffective against naturally occurring strains of fungi. Development of insensitivity or natural tolerance cannot be predicted. Therefore, Syngenta cannot assume liability for crop damage resulting from insensitive or tolerant strains of fungi. Consult with your State Agricultural Experiment Station or Extension Service Specialist for guidance and ways to control any possible insensitive or tolerant strains of fungi which may occur.

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## CROP USE DIRECTIONS

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**NOTE:** When treated according to the following directions for post-planting protection against listed pests, CruiserMaxx will also provide protection during post treatment storage of the seed against damage from the following stored grain insects: Indian Meal Moth (*Plodia interpunctella*), Rice Weevil (*Sitophilus oryza*), Red Flour Beetle (*Tribolium castaneum*), and Lesser Grain Borer (*Rhizopertha dominica*).

If seed to be treated has existing infestations of stored grain insects, it is recommended that the seed be fumigated prior to treating with CruiserMaxx and bagging.

### Legume Vegetable Group

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

**Bean (All *Phaseolus* species)** (includes black bean, cranberry bean, field bean, great Northern bean, kidney bean, lima bean, navy bean, pinto bean, runner bean, small red bean, snap bean, tepary bean, wax bean, yellow bean)

**Bean (All *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 (All *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**

When applied according to the **CRUISERMAXX RATE TABLE**, CruiserMaxx provides early season protection against injury by aphids, bean leaf beetle, grape colaspis, leaf miners, leaf hoppers, Mexican bean beetle, seed corn maggot, threecornered alfalfa hopper, thrips, white grubs, and wireworm. CruiserMaxx also protects against pea leaf weevil in peas.

CruiserMaxx provides protection against damping-off and seed borne rots due to *Pythium*, *Phytophthora*, *Fusarium*, *Rhizoctonia* species and early season *Phytophthora* root rot. CruiserMaxx also suppresses seed-borne *Sclerotinia* and *Phomopsis* species.

**When to add additional Apron XL:**

If target fields have a history of high *Phytophthora* pressure, add additional Apron XL as directed in the rate table and the Apron XL label. The additional Apron XL may reduce compatibility with some rhizobia inoculants. Consult with the maker of rhizobia inoculants before adding the additional Apron XL.

For systemic downey mildew protection in all Peas (*Pisum* species), add an additional 1.12 fluid ounces Apron XL per 100 pounds of seed.

**When to add additional Maxim 4FS:**

If fields to be planted with Peas (*Pisum* species) have a high level of *Rhizoctonia* species or *Fusarium* species disease pressure, add additional Maxim 4FS as directed in the rate table.



CRUISERMAXX RATE TABLE

Crop	Rate of CruiserMaxx		Additional Apron XL		Additional Maxim 4 FS	
	fl oz per 100 lb seed	grams ai per 100 kg seed	fl oz per 100 lb seed	grams ai per 100 kg seed	fl oz per 100 lb seed	grams ai per 10 kg seed
<b>Peas (All <i>Pisum</i> species) including:</b> dwarf pea edible-pod pea English pea field pea garden pea green pea snow pea sugar snap pea	1.5 fl oz	Thiamethoxam 25 gm Mefenoxam 1.875 gm Fludioxnil 1.25 gm	0.08 - 0.56 fl oz	1.875 - 13.125 gm	0.04 fl oz	1.25 gm
			1.12 fl oz <sup>1</sup>			
<b>Bean(All <i>Lupinus</i> species) including:</b> grain sweet white white sweet lupin <b>Bean(All <i>Phaseolus</i> species including):</b> black bean cranberry bean field bean great Northern bean kidney bean lima bean navy bean pinto bean runnerbean snap bean small red bean tepary bean wax bean yellow bean	3.0 fl oz	Thiamethoxam 50 gm Mefenoxam 3.75 gm Fludioxnil 2.5 gm	0.16 - 0.48 fl oz	3.75 - 11.25 gm		

<sup>1</sup>1.12 fl oz for systemic downey mildew protection

CRUISERMAXX RATE TABLE (continued)

Crop	Rate of CruiserMaxx		Additional Apron XL		Additional Maxim 4 FS	
	fl oz per 100 lb seed	grams ai per 100 kg seed	fl oz per 100 lb seed	grams ai per 100 kg seed	fl oz per 100 lb seed	grams ai per 10 kg seed
<b>Bean(All <i>Vigna</i> species)including:</b> adzuki bean asparagus bean blackeyed pea catjang Chinese longbean cowpea Crowder pea moth bean mung bean rice bean southern pea urd bean yardlong bean <b>Broad bean (fava bean)</b> <b>Chickpea (garbanzo bean)</b> <b>Guar</b> <b>Jackbean</b> <b>Lalab bean (hyacinth bean)</b> <b>Lentil</b> <b>Pigeon pea</b> <b>Sword bean</b>	3.0 fl oz	Thiamethoxam 50 gm Mefenoxam 3.75 gm Fludioxnil 2.5 gm	0.16 - 0.48 fl oz	3.75 - 11.25 gm		

## SOYBEAN\*

Crop	Rate of CruiserMaxx				Additional Apron XL	
	fl oz per 100 lb seed or fl oz per 140,000 seeds	grams ai per 100 kg seed	mg ai per seed	ml per 1,000 seeds	fl oz per 100 lb seed or gm ai per 100 kg	mg ai per seed or fl oz per 1,000 seeds or fl oz per 140,000 seeds
Soybeans	3.0 fl oz per 100 lb seed or 1.40 fl oz per 140,000 seeds	Thiamethoxam 50 Mefenoxam 3.75 Fludioxnil 2.5	Thiamethoxam 0.0762 Mefenoxam 0.0057 Fludioxnil 0.0039 Total = 0.0858	0.2957	0.16-0.48 fl oz per 100 lb seed or 3.75-11.25 gm ai per 100 kg seed	0.0057 -0.0170 mg ai per seed or 0.00053-0.0016 fl oz per 1000 seeds or 0.0746-0.224 fl oz per 140,000 seeds

\*The mg ai per seed, ml CruiserMaxx per 1,000 seeds and fl oz CruiserMaxx per 140,000 seeds rates are based on 3,000 seeds per pound.

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**ROTATIONAL RESTRICTIONS**

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In the event of a crop failure or harvest of a crop grown from CruiserMaxx treated seed, the field may be replanted immediately to barley, canola, corn, cotton, cucurbit vegetables, fruiting vegetables, legume vegetables (including soybeans), 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 CruiserMaxx 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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**STORAGE AND DISPOSAL**

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Do not contaminate water, food, or feed by storage, disposal, or cleaning of equipment.

**Pesticide Storage**

Store in a cool, dry place. Storage for extended periods above 90°F is not recommended.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes.

**Pesticide Disposal**

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.


**Container Handling** *[less than 5 gallons]*

Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use and disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**Container Handling [Bulk/Mini-Bulk]**

Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use and disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!**

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Viton® is a registered trademark of E.I. DuPont de Nemours and Company

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For non-emergency (e.g., current product information), call  
Syngenta Crop Protection at 1-800-334-9481.

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

SCP 1247A-M(12-1-09) (2.5 gal)  
SCP 1247A-M(12-1-09) (15 gal, bulk)

Cruiser Maxx 1247A-M(12-1-09) PATENT NOTIF MAR2011 CLEAN – pl – 3/2/11  
000100-01247.20110303.PATENT\_NOTIF\_MAR2011.pdf

(Container Label – 2.5 gal.)

**CruiserMaxx™**

**Insecticide with Fungicides**

A seed treatment product for protection against damage from certain insects, seed-borne diseases, and seedling diseases on legume vegetables (including soybeans)

**Active Ingredients:**

Thiamethoxam*	22.61%
Mefenoxam**	1.70%
Fludioxonil***	1.12%
Other Ingredients:	74.57%
<b>Total:</b>	<b>100.00%</b>

\*CAS No. 153719-23-4

\*\*CAS No. 70630-17-0 and CAS No. 69516-34-3

\*\*\*CAS No. 131341-86-1

One gallon of CruiserMaxx contains 2.15 lbs. thiamethoxam, 0.16 lbs. of mefenoxam and 0.11 lbs. fludioxonil.

**KEEP OUT OF REACH OF CHILDREN.**

**CAUTION**

See additional precautionary statements and directions for use in booklet.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

EPA Reg. No. 100-1247

EPA Est. XXXXX

SCP 1247A-M(12-1-09) (2.5 gal.)

2.5 gallons

Net Contents

**PRECAUTIONARY STATEMENTS****Hazards to Humans and Domestic Animals****CAUTION**

Harmful if swallowed. Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum, using tobacco, or using the toilet. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing.

<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>HOT LINE NUMBER</b> For 24-Hour Medical Emergency Assistance (Human or Animal) Or Chemical Emergency Assistance (Spill, Leak, Fire or Accident) Call <b>1-800-888-8372</b>	

**Environmental Hazards**

This product is toxic to wildlife and highly toxic to aquatic invertebrates. Do not contaminate water when disposing of equipment wash water.

**Physical and Chemical Hazards**

Do not use, pour, spill or store near heat or open flame

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**STORAGE AND DISPOSAL**

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Do not contaminate water, food, or feed by storage, disposal, or cleaning of equipment.

**Pesticide Storage**

Store in a cool, dry place. Storage for extended periods above 90°F is not recommended.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes.

**Pesticide Disposal**

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

**Container Handling**

Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use and disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!**



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Manufactured for :  
Syngenta Crop Protection, Inc.  
P.O. Box 18300  
Greensboro, North Carolina 27419-8300

SCP 1247A-M(12-1-09) (2.5 gal.)

Cruiser Maxx 1247A-M(12-1-09) PATENT NOTIF MAR2011 CLEAN – pl – 3/2/11  
**000100-01247.20110303.PATENT\_NOTIF\_MAR2011.pdf**

(Container Label -15gal. and bulk)

**CruiserMaxx™****Insecticide with Fungicides**

A seed treatment product for protection against damage from certain insects, seed-borne diseases, and seedling diseases on legume vegetables (including soybeans)

## Active Ingredients:

Thiamethoxam*	22.61%
Mefenoxam**	1.70 %
Fludioxonil***	1.12 %
<hr/>	
Other Ingredients:	74.57 %
<hr/>	
Total:	100.00%

\*CAS No. 153719-23-4

\*\*CAS No. 70630-17-0 and CAS No. 69516-34-3

\*\*\*CAS No. 131341-86-1

One gallon of CruiserMaxx contains 2.15 lbs. thiamethoxam, 0.16 lbs. of mefenoxam and 0.11 lbs. fludioxonil.

**KEEP OUT OF REACH OF CHILDREN.****CAUTION**

See additional precautionary statements and directions for use in booklet.

EPA Reg. No. 100-1247

EPA Est. XXXXX

Product ID XXXXX

SCP 1247-M(12-1-09) (15 gal.)

SCP 1247-M(12-1-09) (bulk)

15 gallons

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gallons

Net Contents

**PRECAUTIONARY STATEMENTS****Hazards to Humans and Domestic Animals****CAUTION**

Harmful if swallowed. Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum, using tobacco, or using the toilet. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing.

<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</p>	
<p><b>HOT LINE NUMBER</b>            For 24-Hour Medical Emergency Assistance (Human or Animal)            Or Chemical Emergency Assistance (Spill, Leak, Fire or Accident)            Call  <b>1-800-888-8372</b></p>	

### Environmental Hazards

This product is toxic to wildlife and highly toxic to aquatic invertebrates. Do not contaminate water when disposing of equipment wash water.

### Physical and Chemical Hazards

Do not use, pour, spill or store near heat or open flame

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### CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

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**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, LLC or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions, or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and (2) Buyer and User assume the risk of any such use. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.**

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE)**

**RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

### **DIRECTIONS FOR USE**

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

#### **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

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### **STORAGE AND DISPOSAL**

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#### **Pesticide Storage**

Store in a cool, dry place. Storage for extended periods above 90°F is not recommended.

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**CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!**

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Manufactured for:  
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P.O. Box 18300  
Greensboro, North Carolina 27419-8300

SCP 1247A-M(12-1-09) (15 gal.)

SCP 1247A-M(12-1-09) (bulk)

Cruiser Maxx 1247A-M(12-1-09) PATENT NOTIF MAR2011 CLEAN – pl – 3/2/11  
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