

## Syngenta

**Cruiser Extreme®****Insecticide and Fungicide Prepack**

**A seed treatment product for protection against certain insects, seed-borne diseases, and seedling diseases of field corn, popcorn, seed corn and sweet corn**

**Active Ingredients:**

Thiamethoxam (CAS No. 153719-23-4).....	25.00%
Fludioxonil (CAS No. 131341-86-1) .....	1.25%
Mefenoxam (CAS No. 70630-17-0) .....	1.00%
Azoxystrobin (CAS No. 131860-33-8) .....	0.50%

Other Ingredients:	72.25%
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Total:	100.00%
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One gallon of Cruiser Extreme contains 2.55 lbs. thiamethoxam, 0.13 lbs. of fludioxonil, 0.10 lbs. mefenoxam and 0.05 lbs. azoxystrobin.

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

See additional precautionary statements and directions for use in booklet.

EPA Reg. No. 100-1208

SCP 1208A-L1 0405

FIRST AID	
<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 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 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>	

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

Causes moderate eye irritation. Harmful if absorbed through the skin, swallowed or inhaled. Avoid contact with eyes, skin, or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before re-use.

**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, nitrile rubber, neoprene rubber, polyvinyl chloride [PVC] or viton)
- Shoes plus socks

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, enclosed cabs, or aircraft 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 thoroughly with soap and water 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, freshwater and estuarine/marine fish and highly toxic to aquatic invertebrates.

Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash water or rinsate.

This product contains active ingredients that have high potential for runoff for several months or more following application. Poorly draining soils and soils with shallow water tables are more prone to runoff that contains these active ingredients. A level, well maintained vegetative buffer strip between areas to be treated and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall runoff.

Azoxystrobin degradation products and Thiamethoxam have properties and characteristics similar to chemicals which are known to leach through soil to groundwater under certain agricultural use conditions. Use of this product in areas where soils are permeable, particularly where the water table is shallow may result in ground water contamination.

**Physical and Chemical Hazards**

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

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

**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 should 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, Inc. or Seller. All such risks shall be assumed by Buyer and User, and 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. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and Buyer and User assume the risk of any such use. SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall SYNGENTA or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. 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.

Cruiser Extreme must be used only in accordance with recommendations on this label or in separately published Syngenta supplemental labeling recommendations for this product.

### 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:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material—Category C (e.g., barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride [PVC] or viton)
- Shoes plus socks

### 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, except for the purpose of curative control of existing disease pests, may result in reduced germination and/or reduction of seed and seedling vigor. Treat a small quantity of seed using equipment similar to that planned for treating the total seed lot. Conduct germination tests on a small portion of seed before committing the total seed lot to a selected seed treatment. Due to seed quality and seed storage conditions beyond the control of Syngenta, no claims are made to guarantee the germination of carry-over seed or propagating material for all crop seed.

Follow recommended Syngenta minimum germination guidelines and seed carry-over recommendations when treating seed lots.

### GENERAL INFORMATION

Cruiser Extreme is a premix of the active ingredients thiamethoxam insecticide and fludioxonil, mefenoxam and azoxystrobin fungicides. Fludioxonil, mefenoxam and azoxystrobin are the active ingredients in Maxim®, Apron XL® LS and Dynasty® brand fungicides, respectively.

Cruiser Extreme is a seed treatment product that protects against damage from certain insects, soil-borne and seed-borne diseases of field corn, popcorn, seed corn and sweet corn.

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

Fludioxonil is active against *Fusarium*, *Rhizoctonia*, seed-borne *Sclerotinia*, *Helminthosporium*, and weakly pathogenic fungi, *Aspergillus* and *Penicillium*.

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

Azoxystrobin is active against *Rhizoctonia* and some seed-borne diseases.

**Important:** (1) Do not use treated seed for feed, food, or oil. (2) Forage may not be grazed until 30 days after planting.

Federal law requires that bags containing treated seeds shall be labeled with the following information: "This seed has been treated with thiamethoxam insecticide and fludioxonil, mefenoxam and azoxystrobin fungicides. Do not use for feed, food, or oil purposes. Store away from feeds and foodstuffs. Forage may not be grazed until 30 days after planting."

Use an EPA-approved dye or colorant that imparts an unnatural color to the seed.

### Resistance Management

Cruiser Extreme contains thiamethoxam, a Group 4A insecticide; fludioxonil, a Group 12 fungicide; mefenoxam, a Group 4 fungicide; and azoxystrobin, a Group 11 fungicide.

Insect pests and plant diseases are known to develop resistance to products used repeatedly. 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.

**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.

Consult your local pest control advisor or extension office for additional methods for preventing resistance development. Syngenta encourages responsible product stewardship to ensure effective long term control of the insect pests on this label.

### MIXING PROCEDURES

**Important:** Always re-circulate Cruiser Extreme thoroughly before using.

Apply Cruiser Extreme 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 insect or disease control. Thoroughly mix the recommended amount of Cruiser Extreme and any additional Cruiser 5FS and/or Apron XL LS, as prescribed in the **Crop Use Directions** into the required amount of water for the slurry treater and dilution rate to be used.

Prepare no more mixture than is required for the immediate operation. Add ¼ to ½ of the required amount of water to the mix tank. Add the appropriate amount of each tank mix partner to the tank allowing each tank mix partner to become fully dispersed before adding the next product. Provide sufficient agitation while adding the tank mix partners and the remainder of the water to the mix tank.

Maintain continuous agitation during mixing and during application.

Follow the manufacturer application instructions for the seed treatment equipment being used. Maintain constant agitation of the slurry during the treatment. Allow seed to dry before bagging.

**CROP USE DIRECTIONS****CORN: FIELD CORN, POPCORN, SEED CORN AND SWEET CORN**

**Note:** If corn seed to be treated with Cruiser Extreme has existing infestations of stored grain pests, it is recommended that the seed be fumigated prior to treating with Cruiser Extreme and bagging.

Consult your Syngenta Seed Treatment representative for recommendations on slurry additives to use during application of Cruiser Extreme.

Follow planter manufacturer recommendations for use of talc, graphite, or other hopper box additives at planting.

**INSECT CONTROL****Field Corn, Popcorn, Seed Corn and Sweet Corn**

To provide early season protection of seedlings, follow the rate recommendations in the table below.

**Cruiser Extreme Recommended Rates Alone and in Combination with Cruiser 5FS\*\*\***

	Labeled Pests	Cruiser Extreme Rate*	Cruiser 5FS Rate**
Light to medium insect pressure (All geographies)	chinch bug cutworm suppression flea beetle seedcorn maggot southern corn leaf beetle stored grain pests white grub wireworm	0.125 mg. thiamethoxam per kernel	none
Heavy insect pressure geographies (including Texas and Mid-South)	chinch bug cutworm suppression flea beetle seedcorn maggot southern corn leaf beetle stored grain pests white grub wireworm	0.125 mg. thiamethoxam per kernel	0.125 mg. thiamethoxam per kernel
Field Corn Only (All geographies)	billbug corn rootworm	0.125 mg. thiamethoxam per kernel	1.125 mg. thiamethoxam per kernel

\*Each fl. oz. of Cruiser Extreme contains 9.0 gm. of thiamethoxam.

\*\*Each fl. oz. of Cruiser 5FS contains 17.7 gm. of thiamethoxam.

\*\*\*See **Mixing Directions**

**Post Treatment Seed Storage**

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

**DISEASE CONTROL****Field Corn, Popcorn, Seed Corn, and Sweet Corn**

When Cruiser Extreme is applied according to the use directions under the **Insect Control** section, the treatment will protect against seed-borne and soil-borne fungi that cause seed decay, damping off and seedling blight.

**Sweet Corn Only**

If *Pythium* disease pressure is high, an additional 0.235 to 0.555 fl. oz. of Apron XL LS per 100 lbs. of seed may be added to the seed treatment slurry mixture. See **Mixing Directions**.

**Rates of Fludioxonil, Mefenoxam and Azoxystrobin Delivered by Cruiser Extreme Based on Fixed Rate of Thiamethoxam**

Fixed rate of thiamethoxam in mg. active ingredient per kernel	Rate of fludioxonil in mg. active ingredient per kernel	Rate of mefenoxam in mg. active ingredient per kernel	Rate of azoxystrobin in mg. active ingredient per kernel
0.125	0.0064*	0.005*	0.0025*

\*Rates are equivalent to 0.08 fl. oz. Maxim 4 FS, 0.085 fl. oz. Apron XL LS and 0.153 fl. oz. Dynasty per 100 lbs. of seed (based upon 1880 seeds per lb.).

**STORAGE AND DISPOSAL**

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

**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**

Pesticide waste are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use 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 Disposal**

Triple rinse (or equivalent), then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

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

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For non-emergency (e.g., current product information), call  
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