



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

June 8, 2016

Sharlyne Pyles  
Regulatory Product Manager  
Syngenta Crop Protection, LLC  
P.O. Box 18300  
Greensboro, NC, 27419

Subject: Label Notification per PRN 2007-4 – associated with the CSF density amendment, small label revisions  
Product Name: Fortenza  
EPA Registration Number: 100-1420  
Application Date: 8/14/2015  
Decision Number: 508395

Dear Ms. Pyles:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 2007-4 and finds that the action requested falls within the scope of PRN-2007-4.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on non-refillable containers. The code may appear either on the label (and can be added by non-notification via PR Notice 98-10) or durably marked on the container itself.

If you have any questions, you may contact Jacquelyn Marchese at 703-347-0559 or via email at [marchese.jacquelyn@epa.gov](mailto:marchese.jacquelyn@epa.gov).

Sincerely,

A handwritten signature in black ink that reads "Jacquelyn Marchese for" with a horizontal line under the word "for".

Mark Suarez, Product Manager 07  
Invertebrate-Vertebrate Branch 3  
Registration Division (7505P)  
Office of Pesticide Programs

**NOTIFICATION**

100-1420

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

06/08/2016

*(master label)*

**Sale, use, and distribution of this product in Nassau and Suffolk Counties in the State of New York is prohibited.**

**Fortenza®**

Insecticide

A seed treatment product for protection against damage caused by Colorado potato beetle and European corn borer on potatoes and to provide early season protection against cutworm damage on sunflowers.

|                                     |        |
|-------------------------------------|--------|
| Active Ingredient:                  |        |
| Cyantraniliprole <sup>1</sup> ..... | 48.8%  |
| Other Ingredients:                  | 51.2%  |
| <hr/>                               |        |
| Total:                              | 100.0% |

<sup>1</sup>CAS No. 736994-63-1

Fortenza contains 5.0 lb/**Gal-gal** [600 g/L] of cyantraniliprole (FS).

**KEEP OUT OF REACH OF CHILDREN.**

**CAUTION**

See additional precautionary statements and directions for use in booklet [on label].

EPA Reg. No. 100-1420

EPA Est. xxxxx

Product of xxxxx

Formulated in xxxxx

SCP XXXX-MAS 0114

Net Contents

[Non-]Refillable Container

| <b>FIRST AID</b>  |   |
|---|---|
| <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.</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>   |
| <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 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>   |
| 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><br>For 24-Hour Medical Emergency Assistance (Human or Animal)<br>or Chemical Emergency Assistance (Spill, Leak, Fire or Accident)<br>Call<br><b>1-800-888-8372</b> |   |

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**PRECAUTIONARY STATEMENTS**

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

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

## **Personal Protective Equipment (PPE)**

### **Applicators and Other Handlers Must Wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material - Category A (e.g., natural rubber ≥ 14 mils)
- Shoes plus socks

## **User Safety Requirements**

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 thoroughly with soap and water after handling.
- 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.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## **Environmental Hazards**

Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. This pesticide is toxic to aquatic invertebrates. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. Do not contaminate water when disposing of equipment wash water.

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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.

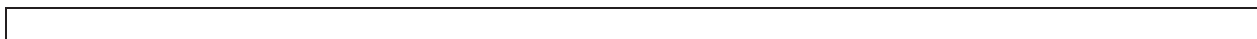
SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted 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.



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

Sale, use, and distribution of this product in Nassau and Suffolk Counties in the State of New York is prohibited.

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 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, crop or variety sensitivity, 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.

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**PRODUCT INFORMATION**

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Fortenza is a seed treatment insecticide belonging to the diamide family of compounds. This product contains the active ingredient cyantraniliprole. Once ingested by a susceptible insect species, cyantraniliprole impairs muscle regulation of the susceptible insects leading to paralysis and eventual death of that insect.

Cyantraniliprole is a Group 28 insecticide.

Cyantraniliprole is a broad-spectrum insecticide belonging to the chemical class of bisamides. Cyantraniliprole products are effective on the larval stages of lepidopteran insects; and some other insect pests including some coleopterans and dipterans. The length of control of the major insect pests will vary depending on the product use rate, insect pressure, crop growth and maturity, and soil and environmental conditions. When rate ranges are given, use the higher rate within the listed rate range when insect pressure is expected to be high.

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**MIXING PROCEDURES**

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**Important:** Thoroughly shake the container of Fortenza prior to use.

Apply Fortenza 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 specified amount of Fortenza into the required amount of water for the slurry treater and dilution rate to be used. **The typical density of Fortenza is 10.25 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.

- Use an EPA-approved dye or colorant that imparts an unnatural color to the seed as stated in 40 CFR 153.155 (c).
- Allow seed to dry before bagging.
- Store away from feed and foodstuffs.

Fortenza has been found to be compatible with some liquid inoculant products. Fortenza may be mixed or applied sequentially with approved liquid inoculants. Consult the maker of the liquid inoculants and a Syngenta Crop Protection representative for directions before applying Fortenza with inoculants.

For use in commercial seed treaters only, operating standard, calibrated seed treatment equipment. Not for use in hopper box, planter box, slurry box, or other farmer applied applications.

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## SEED BAG LABEL REQUIREMENTS

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### FOR POTATO SEED

Treatment of potato seed pieces can be done using Syngenta approved equipment either on-farm by the grower or at a commercial seed treatment facility.

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

- Treated Seed. Do not use for feed, food or oil purposes.
- This seed has been treated with Fortenza insecticide seed treatment (cyantraniliprole).

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

- Store away from food and feed.
- Do not allow children, pets or livestock to have access to treated seeds.
- Wear long-sleeved shirt, long pants and chemical-resistant gloves when handling treated seed.
- Use of Fortenza as a seed treatment must be communicated to all personnel involved in seasonal insect control recommendations.
- This product is highly toxic to bees. Ensure that the planting equipment is functioning properly in accordance with manufacturer specifications to minimize seed **coast coat** abrasion during planting to reduce dust which can drift to blooming crops and weeds.
- Potato seed tubers are typically planted at a soil depth of 2 to 8 inches.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect seeds spilled during loading.

- Dispose of all excess treated seed tubers by burying seed away from bodies of water. Leftover treated seed may be double sown around the headland or buried away from water sources in accordance with local requirements.
- Excess treated seed tubers may be used for ethanol production only if (a) ethanol production by-products are not used for livestock feed and, (2) no measurable residues of pesticides remain in the ethanol by-products that are used in agronomic practice.
- Dispose of seed packaging in accordance with local requirements.
- This seed has been treated with maximum of 0.000135 lb cyantraniliprole per 1 lb seed tuber.
- Do not apply a total of more than 0.4 lb ai/A of cyantraniliprole containing products per crop; this is the total cyantraniliprole applied by seed treatment, soil application, and foliar application.
- Including the Fortenza seed treatment, make no more than two applications of cyantraniliprole or other Group 28 products per generation to the same insect species on a crop or within a 30 day period (count planting date as day 1 if using treated seed). Application(s) to the next generation of target pest(s) must be with an effective product with a different mode of action (non-Group 28 insecticide).
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### **Crop Rotation**

- The following crops or crop groups may be planted immediately following the last application of cyantraniliprole. Brassica Leafy Vegetables (Crop Group 5); Bulb Vegetables (Crop Group 3- 07); Bushberries (Berry and Fruit Crop Group subgroup 13- 07B); Citrus (Crop Group 10-10); Cotton; Cucurbit Vegetables (Crop Group 9); Fruiting Vegetables (Crop Group 8-10); Leafy Vegetables (except brassicas) (Crop Group 4); Low Growing Berries (Berry and Fruit Crop Group subgroup 13-07G); Oilseeds (Crop Group 20); Pome Fruits (Crop Group 11-10); Stone Fruits (Crop Group 12); Tree Nuts (Crop Group 14-12).
- The following crops or crop groups may be planted 30 days following the last application of cyantraniliprole. Cereal Grains (Crop Group 15); Foliage of Legume Vegetables (Crop Group 7); Forage, Fodder and Straw of Cereal Grains (Crop Group 16); Grass Forage, Fodder and Hay (Crop Group 17); Legume Vegetables (succulent or dried) (Crop Group 6); Nongrass Animal Feeds (forage, fodder, straw and hay) (Crop Group 18); Peanuts; Leaves of Root and Tuber Vegetables (Crop Group 2); Root Vegetables (Root and Tuber Vegetables Crop Group subgroup 1A); Tuberous and Corm Vegetables (Root and Tuber Vegetables Crop Group subgroup 1C).
- All other crops cannot be planted until 12 months after the last application of cyantraniliprole.

### **FOR SUNFLOWER SEED**



Treatment of sunflower seed can be done only by Syngenta approved commercial seed treatment facilities.

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

- Treated Seed. Do not use for food, feed or oil purposes.
- This seed has been treated with Fortenza insecticide seed treatment (cyantraniliprole).

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

- Store away from food or feed.
- Do not allow children, pets, or livestock to have access to treated seed.
- Wear long-sleeved shirt, long pants and chemical-resistant gloves when handling treated seed.
- Use of Fortenza as a seed treatment must be communicated to all personnel involved in seasonal insect control recommendations.
- This product is highly toxic to bees. Ensure that the planting equipment is functioning properly in accordance with manufacturer specifications to minimize seed **coast coat** abrasion during planting to reduce dust which can drift to blooming crops and weeds.
- Sunflower seed are typically planted at a soil depth of 1 inch.
- Treated seed exposed on soil surface may be hazardous to wildlife. Cover or collect seeds spilled during loading.
- Dispose of all excess treated seed by burying seed away from bodies of water. Leftover treated seed may be double sown around the headland or buried away from water sources in accordance with local requirements.
- Excess treated seed may be used for ethanol production only if (a) ethanol production by-products are not used for livestock feed and, (2) no measurable residues of pesticides remain in the ethanol by-products that are used in agronomic practice.
- Dispose of seed packaging in accordance with local requirements.
- This seed has been treated with maximum of 0.000441 lb ai cyantraniliprole per 1000 seed (0.001985 lb ai cyantraniliprole per lb of sunflower seed based upon 4,500 seed per pound seed weight).
- Do not apply a total of more than 0.4 lb ai/A of cyantraniliprole containing products per crop; this is the total cyantraniliprole applied by seed treatment, soil application, and foliar application.
- Including the Fortenza seed treatment, make no more than two applications of cyantraniliprole or other Group 28 products per generation to the same insect species on a crop or within a 30 day period (count planting date as day 1 if using treated seed). Application(s) to the next generation of target pest(s) must be with an effective product with a different mode of action (non-Group 28 insecticide).

## **Crop Rotation**

- Fortenza treated sunflower seed may be replanted immediately if needed due to crop failure.
- The following crops or crop groups may be planted immediately following the last application of cyantraniliprole. Brassica Leafy Vegetables (Crop Group 5); Bulb Vegetables (Crop Group 3- 07); Bushberries (Berry and Fruit Crop Group subgroup 13- 07B); Citrus (Crop Group 10-10); Cotton; Cucurbit Vegetables (Crop Group 9); Fruiting Vegetables (Crop Group 8-10); Leafy Vegetables (except brassicas) (Crop Group 4); Low Growing Berries (Berry and Fruit Crop Group subgroup 13-07G); Oilseeds (Crop Group 20); Pome Fruits (Crop Group 11-10); Stone Fruits (Crop Group 12); Tree Nuts (Crop Group 14-12).
- The following crops or crop groups may be planted 30 days following the last application of cyantraniliprole. Cereal Grains (Crop Group 15); Foliage of Legume Vegetables (Crop Group 7); Forage, Fodder and Straw of Cereal Grains (Crop Group 16); Grass Forage, Fodder and Hay (Crop Group 17); Legume Vegetables (succulent or dried) (Crop Group 6); Nongrass Animal Feeds (forage, fodder, straw and hay) (Crop Group 18); Peanuts; Leaves of Root and Tuber Vegetables (Crop Group 2); Root Vegetables (Root and Tuber Vegetables Crop Group subgroup 1A); Tuberous and Corm Vegetables (Root and Tuber Vegetables Crop Group subgroup 1C).

All other crops cannot be planted until 12 months after the last application of cyantraniliprole.

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## **CROP USE DIRECTIONS**

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### **POTATOES**

Fortenza is to be used as an integral part of potato pest management strategy. This strategy includes the use of high quality certified potato seed, crop rotation, monitoring proper insect population thresholds, appropriate comprehensive insect control measures, optimal harvest time of potato tubers and proper handling of the potatoes. Consult your local agricultural extension agent for more detailed information on insect management practices.

Fortenza used at labeled rates provides protection against damage caused by Colorado potato beetle and European corn borer during early to mid-season growth and development of potatoes. Full season protection or complete reduction of damage caused by labeled pests is **not** expected with the use of Fortenza. Apply Fortenza at a rate to achieve between 0.15 and 0.35 fl oz product (0.006 and 0.0135 lb active cyantraniliprole) per 100 pounds of seed tuber [6 and 13.5 grams active cyantraniliprole per 100 kg of seed tuber]. (Fortenza contains 5.0 lb of cyantraniliprole per gallon [0.6 grams per milliliter]). Do not apply more than 0.4 lb ai cyantraniliprole (11 fl oz Fortenza) per acre per year (Tables 1 and 2).

For protection against certain seed and soil borne diseases of potatoes Fortenza may be applied with Maxim® 4 FS, Dynasty® 100 FS, CruiserMaxx® Potato or CruiserMaxx® Potato Extreme family of products. Application of Fortenza with CruiserMaxx Potato or CruiserMaxx Potato Extreme also provides protection against potato aphid, green peach aphid, beet leaf hopper and psyllids.

#### **Application of Fortenza**

Apply Fortenza utilizing Syngenta approved seed treating systems designed to apply liquid seed treatments of potatoes. Uneven or incomplete seed coverage may not give the desired level of insect control. For slurry treatment thoroughly mix the specified amount of Fortenza into the required amount of water for the slurry treater and dilution rate to be used. Maintain constant agitation of the slurry during the seed treatment process. Follow the manufacturer's application instructions for the seed treatment equipment being used with appropriate set-up and calibration. Calibrate the equipment so that every potato seed tuber is uniformly coated with a fine layer of the slurry mix without any excess dripping out of the treated seed.

#### **DO NOT BAG POTATO SEED THAT IS TREATED WITH ANY LIQUID SEED TREATMENTS.**

#### **Storing Treated Seed**

If the treated seed needs to be stored or held for few days (2 to 3 weeks maximum) make sure the seed is stored in well ventilated areas that allow air to move through and

out the treated seed. An ideal air temperature is 60 degrees Fahrenheit at a relative humidity of 85 to 90 percent. Do not allow free moisture to form within or around the treated seed during storage.

**Note:** Best results are obtained if treated potatoes are allowed to dry during transit and planted the same day of treatment.

If an inert dust (fir bark or talc etc.) or a dust-based fungicide is applied, apply Fortenza prior to applying the dust treatments.

**Syngenta, LLC makes no claims as to the effect of this product or delivery systems on germination of the potato seed. The user, buyer or applicator of the seed treatment assumes all risks from such application.**

**Note:** Treatment of highly damaged or bruised potato seed, or seed known to be of low vigor and poor quality, or potato seed that is deemed “physiologically old” may result in reduced germination and/or reduction of seed and seedling vigor and multiple stems from germination of the seed. When in doubt or if the status/condition of the potato seed tubers is unknown, treat a small sample batch of the same potato seed load with Fortenza using specified rates, equipment, and application procedures; before treating the total seed lot. Conduct this test on a small batch of the potato seed and observe the germination, emergence, stem count from the germinating seed. Consult with local experts in the region or conduct the test with University or area experts. Only if the data confirms that the seed treated with Fortenza is acceptable then proceed treating the rest of the seed load from which the sample was taken. **Due to seed quality, seed condition and seed storage conditions beyond the control of Syngenta LLC no claims are made to guarantee the germination and or performance the potato seed tuber from treatment with Fortenza.**

**Table 1. Empirical Calculations based on popular potato seeding rates:**

| Seeding rate | Expected <b>lb-lb</b> ai per A at popular seeding rates and expected use rate of Fortenza |                   |                           |
|--------------|---|-------------------|---------------------------|
| Pounds/acre  | 0.006 lb ai/100 lb  | 0.01 lb ai/100 lb | 0.0135 lb ai/100 lb       |
| 1500         | 0.090   | 0.150             | 0.203                     |
| 2000         | 0.120   | 0.200             | 0.270                     |
| 2500         | 0.150   | 0.250             | 0.338                     |
| 3000         | 0.180   | 0.300             | 0.405                     |
| 3500         | 0.210   | 0.350             | Do not apply <sup>1</sup> |

<sup>1</sup>The lb ai applied per A at this seeding density and application rate exceeds the maximum allowable 0.4 lb ai per A.

**Table 2. Empirical Calculations based on popular potato seeding rates:**

| Seeding rate | Expected fl oz per A at popular seeding rates and expected use rate of Fortenza |                             |                           |
|--------------|---|-----------------------------|---------------------------|
| Pounds/acre  | 0.15 fl <b>oz-oz</b> /100 lb  | 0.26 <b>fl-fl</b> oz/100 lb | 0.35 fl oz/100 lb         |
| 1500         | 2.3   | 3.8                         | 5.2                       |
| 2000         | 3.1   | 5.1                         | 6.9                       |
| 2500         | 3.8   | 6.4                         | 8.6                       |
| 3000         | 4.6   | 7.7                         | 10.4                      |
| 3500         | 5.4   | 9.0                         | Do not apply <sup>1</sup> |

<sup>1</sup>The fl oz applied per A at this seeding density and application rate exceeds the maximum allowable 11 fl oz per A.

## SUNFLOWER SEED TREATMENT

To provide early season protection against cutworm damage on sunflowers.

### Direction for Use

Fortenza at label rates provides protection against the damage caused by cutworms during early season growth and development of sunflower. Full season protection or complete reduction of damage from the use of Fortenza is **not** expected against the listed insects. Apply Fortenza at a rate to achieve between 0.56 and 1.1 **fl-oz-fl oz**

product (0.022 to 0.044 lb active cyantraniliprole) per 100,000 seed\* [0.1 and 0.2 milligrams active cyantraniliprole per seed\*] (Fortenza contains 5.0 lb of cyantraniliprole per gallon).

\*Based on an average of 4,500 seeds per pound.

It is highly recommended to apply Fortenza with compatible and registered seed treatment fungicides such as Apron XL®, Dynasty, Bion® or Maxim 4FS which are proven to control seed and seedling diseases and Cruiser® 5FS for additional early season insect pest protection.

Follow planter manufacturer instructions for hopper box additives at planting.

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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. Do not store above 90°F for extended periods. 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** (*5 gallons or less*)

**Non-refillable container.** Do not reuse or refill this container. 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  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or 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 by other procedures allowed by state and local authorities.

### **Container Handling** (*greater than 5 gallons*)

**Non-refillable container.** Do not reuse or refill this container. 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  $\frac{1}{4}$  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 side 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 by other procedures allowed by state and local authorities.

**Container Handling** *[refillable container]*

**Refillable container.** Refill this container with pesticide only. Do not use this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, by incineration, or by other procedures allowed by state and local authorities.

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

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Fortenza™, Apron XL®, Bion®, Cruiser®, CruiserMaxx® Dynasty®, Maxim®, the ALLIANCE FRAME, the SYNGENTA logo, and the PURPOSE ICON are trademarks of a Syngenta Group Company

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| <p>For non-emergency (e.g., current product information), call<br/>Syngenta Crop Protection at 1-800-334-9481.</p> |
|--|

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

SCP XXXX-MAS 0114



(Non-detachable Container Label)

**Sale, use, and distribution of this product in Nassau and Suffolk Counties in the State of New York is prohibited.**

**Fortenza™**

Insecticide

A seed treatment product for protection against damage caused by Colorado potato beetle and European corn borer on potatoes and to provide early season protection against cutworm damage on sunflowers.

|                                     |        |
|-------------------------------------|--------|
| Active Ingredient:                  |        |
| Cyantraniliprole <sup>1</sup> ..... | 48.8%  |
| Other Ingredients:                  | 51.2%  |
| Total:                              | 100.0% |

<sup>1</sup>CAS No. 736994-63-1

Fortenza contains 5.0 **lb./Gal.** [600 g/L] of cyantraniliprole (FS).

**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. 100-1420

EPA Est. xxxxx

SCP XXXX-MAS 0114

Net Contents

[Non-]Refillable Container

## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

#### CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum, using tobacco, or using the toilet. Wear long-sleeved shirt, long pants, socks, shoes, and chemical-resistant gloves (such as Natural Rubber, Selection Category A).

| <b>FIRST AID</b>  |   |
|---|---|
| <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.</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>   |
| <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 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>   |
| 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><br>For 24-Hour Medical Emergency Assistance (Human or Animal)<br>or Chemical Emergency Assistance (Spill, Leak, Fire or Accident)<br>Call<br><b>1-800-888-8372</b> |   |

### Environmental Hazards

Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. This pesticide is toxic to aquatic invertebrates. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply

this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. Do not contaminate water when disposing of equipment wash water.

## **STORAGE AND DISPOSAL**

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

### **Pesticide Storage**

Store in a cool, dry place. Do not store above 90°F for extended periods.

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** *(5 gallons or less)*

**Non-refillable container.** Do not reuse or refill this container. 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 or 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 by other procedures allowed by state and local authorities.

### **Container Handling** *(greater than 5 gallons)*

**Non-refillable container.** Do not reuse or refill this container. 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. 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 side 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 by other procedures allowed by state and local authorities.

### **Container Handling** *[refillable container]*

**Refillable container.** Refill this container with pesticide only. Do not use this container for any other purpose. Cleaning the container before final disposal is the responsibility

of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, by incineration, or by other procedures allowed by state and local authorities.

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

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