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| GROUP | <b>12</b> | FUNGICIDE |
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## MAXIM<sup>®</sup> 480FS Colourless

AGRICULTURAL

### SEED TREATMENT FUNGICIDE

FOR TREATMENT OF A WIDE RANGE OF CROPS GROWN FROM SEED BY COMMERCIAL SEED TREATERS ONLY.

A seed treatment for the control of listed fungus diseases of a wide range of crops grown from seed.

### GUARANTEE:

Fludioxonil.....40.3%

### READ THE LABEL AND PAMPHLET BEFORE USING

REGISTRATION NO: **27001**  
PEST CONTROL PRODUCTS ACT

For use by commercial seed treaters only. **All seed treated with this product must be conspicuously coloured at the time of treatment.**

**This product contains no colourant. An appropriate colourant must be added when this product is applied. Regulations pertaining to the "Seeds Act" must be strictly adhered to when using this product. A baby blue colourant must be added when this product is applied to canola/rapeseed. A red colourant must be added when this product is applied to grain.**

**Syngenta Crop Protection Canada, Inc.**  
140 Research Lane, Research Park  
Guelph, ON  
N1G 4Z3

PAMPHLET

## NOTICE TO USER

This control product is to be used only in accordance with the directions on this label. It is an offense under the PEST CONTROL PRODUCTS ACT to use a control product under unsafe conditions.

## NOTICE TO BUYER

Seller's guarantee shall be limited to the terms set out on the label and, subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

## FIRST AID

**IN CASE OF POISONING, IMMEDIATELY** contact a physician or a poison control centre. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**If swallowed, IMMEDIATELY** drink 1 or 2 glasses of water and induce vomiting by touching the back of the throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Contact a physician or poison control centre **IMMEDIATELY**.

**If in eyes**, splash repeatedly with large amounts of clean water for at least 15 minutes. Contact a physician or poison control centre.

**If on skin**, remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation occurs, contact a physician or poison control centre.

**If inhaled**, move to fresh air.

## TOXICOLOGICAL INFORMATION

There is no specific antidote for MAXIM 480FS Colourless Seed Treatment Fungicide if ingested. Induce emesis or lavage stomach. Treat symptomatically.

## PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. May be harmful if swallowed. Avoid inhalation of vapour, spray mist or treated seed dust. Wash hands and face after handling and before eating or smoking. Avoid contamination of feed and foodstuffs. Treated seed must not be used for food, feed or oil processing. Do not use in hopper-box, planter-box, slurry-box or other non-commercial seed treatment applications at, or immediately before, planting. Treat seed in a well-ventilated area. When handling MAXIM 480FS Colourless Seed Treatment Fungicide, contaminated equipment or seed treated with MAXIM 480FS Colourless Seed Treatment Fungicide, wear long-sleeved coveralls over normal work clothing and chemical-resistant gloves. In addition, when bagging or sewing bags of seed treated with MAXIM 480FS Colourless Seed Treatment Fungicide, wear a dust mask. This product is toxic to fish and

aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present. In cleaning of equipment or disposing of wastes, do not contaminate water used for human or animal consumption or by wildlife and aquatic life or for irrigation purposes.

Label the bags containing treated seed with the following information: ***“This seed has been treated with fludioxonil fungicide (or fludioxonil and metalaxyl-M fungicide if appropriate). Do not use for food, feed or oil purposes. Store away from feed and foodstuffs. Do not graze treated crops, or cut for forage within 30 days of planting.”***

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., contact 1-866-375-4648 or [www.cropro.org/](http://www.cropro.org/)

## DECONTAMINATION AND DISPOSAL

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

### CONTAINER DISPOSAL:

#### **For refillable containers:**

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not use this container for any other purpose.

#### **For recyclable containers:**

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

**IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING  
CALL 1-800-327-8633 (FASTMED)**

## GENERAL INFORMATION

MAXIM 480FS Colourless Seed Treatment Fungicide is a seed treatment fungicide which controls seed-borne and soil-borne diseases caused by *Fusarium* spp. (including seedling disease due to *F. graminearum*) and *Rhizoctonia* spp. on listed crops, as well as *Aspergillus* and *Penicillium* on corn (field corn, sweet corn, popcorn), soybean, canola and mustard. MAXIM 480FS will also control Seed Rot and Seedling Blight in soybeans caused by seed-borne *Phomopsis* spp. When rate ranges are given, use the higher rate for crops/cultivars that are expected to be more susceptible to seed-borne or soil-borne pathogens.

MAXIM 480FS Colourless Seed Treatment Fungicide will not control diseases caused by *Pythium* spp. or *Phytophthora* spp. If these diseases are expected to be a problem, MAXIM 480FS Colourless Seed Treatment Fungicide may be mixed with APRON XL<sup>®</sup> LS. If APRON XL LS is not registered on that crop, MAXIM 480FS Colourless Seed Treatment Fungicide can be mixed with another labeled seed treatment product that has activity against these diseases. Consult each label for registered use rates and follow all label use instructions for each of the products.

Follow the label directions for each product for the most restrictive label precautions and limitations. This product cannot be mixed with any product containing a label prohibition against such mixing.

**Note:** Treatment of highly mechanically scarred or damaged seed, or seed known to be of low vigour 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 vigour. 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 the 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 Crop Protection Canada, Inc. no claims are made to guarantee the germination of carry-over treated seed.

## **DIRECTIONS FOR USE**

### **MIXING INSTRUCTIONS:**

Shake or mix well before using.

Apply MAXIM 480FS Colourless Seed Treatment Fungicide 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 recommended amount of MAXIM 480FS Colourless Seed Treatment Fungicide into the required amount of water for the slurry treater and dilution rate to be used. Follow the manufacturer's application instructions for the seed treatment equipment being used. Maintain constant agitation of the slurry during the treatment. Allow the seed to dry before bagging.

Seed treated with MAXIM 480FS Colourless Seed Treatment Fungicide or a combination of MAXIM 480FS Colourless Seed Treatment Fungicide and APRON XL LS may not flow through a seed drill at the same rate as untreated seed. Recalibrate the seed drill before planting treated seed.

Ideal storage temperature is above freezing and below 30° C.

**This product contains no colourant. An appropriate colourant must be added when this product is applied. Regulations pertaining to the "Seeds Act" must be strictly adhered to when using this product. A baby blue colourant must be added when this product is applied to canola/rapeseed. A red colourant must be added when this product is applied to grain.**

### **USE RATES FOR ALL CROPS:**

For treatment of SEEDS only. Not for treating propagating root or tuber material.

For control of seed-borne and soil-borne fungi which cause Seed Decay, Damping-Off and Seedling Blights, apply the following rates of MAXIM 480FS Colourless Seed Treatment Fungicide fungicide per 100 kg of seed of the following crops listed.

For control of *Pythium* spp. apply APRON XL LS following rates and directions on the label, in a mixture with MAXIM 480FS Colourless Seed Treatment Fungicide. Follow all appropriate directions, precautions, etc. on the registered APRON XL LS label text.

| Crops  | Use Rate per 100kg seed |
|--|-------------------------|
| <b>CEREAL GRAINS (INCLUDES FORAGE AND SILAGE)</b>  |                         |
| Corn (field corn and popcorn), Sweet Corn, Grain Sorghum, Barley, Buckwheat, Millet (pearl and proso), Oats, Rye, Triticale, Wild Rice, and Wheat  | 5.2 – 10.4 mL           |
| <b>FOLIAGE OF LEGUME VEGETABLES</b>  |                         |
| Soybean and any cultivar of Bean ( <i>Phaseolus</i> spp.), Field Pea ( <i>Pisum</i> spp.).   | 5.2 – 10.4 mL           |
| <b>OILSEEDS</b>  |                         |
| Flax (including Solin), Canola, Mustard, Rape seed, Safflower, Sunflower   | 5.2 – 10.4 mL           |
| <b>LEGUME VEGETABLES (SUCCULENT OR DRY)</b>  |                         |
| Bean ( <i>Lupinus</i> spp. - includes Grain Lupin, Sweet Lupin, and White Lupin), Bean ( <i>Phaseolus</i> spp. - includes Field Bean, Kidney Bean, Lima Bean, Navy Bean, Pinto Bean, Runner Bean, Snap Bean, Tepary Bean, and Wax Bean).<br>Bean ( <i>Vigna</i> spp. - includes Adzuki Bean, Asparagus Bean, Blackeyed Pea, Catjang, Chinese Longbean, Cowpea, Crowder Pea, Moth Bean, Mung Bean, Rice Bean, Southern Pea, Urd Bean and Yardlong Bean).<br>Broad Bean, Chickpea, Guar, Jackbean, Lablab Bean, Lentils. Pea (dwarf, Edible-pod, English, Field, Garden, Green, Snow, Sugar Snap), Pigeon Pea, Soybean (immature), and Sword Bean. | 5.2 – 10.4 mL           |
| <b>GRASS FORAGE, FODDER, AND HAY</b>   |                         |
| All Grasses (including Turfgrass, Bermudagrass, Bluegrass, and Fescue or Bromegrass),<br>All Gramineae family (either green or cured) except those in the Cereal Grains group, that will be fed to or grazed by livestock.<br>All pasture and range grasses and grasses grown for hay or silage.   | 5.2 – 10.4 mL           |
| <b>ROOT AND TUBER VEGETABLES (grown from seed)</b>   |                         |
| Artichoke (Chinese and Jerusalem), Burdock (edible), Carrot, Celery Root, Chicory, Ginger, Horseradish, Parsley, Parsnip, Radish (including oriental), Rutabaga, Salsify (oyster, black and spanish), and Turnip.  | 5.2 – 10.4 mL           |
| <b>LEAVES OF ROOT AND TUBER VEGETABLES (grown from seed)</b>   |                         |
| Burdock (edible), Carrot, Cassava, Chicory, Parsnip, Radish (including oriental), Rutabaga, Salsify (black).   | 5.2 – 10.4 mL           |
| <b>BULB VEGETABLES</b>   |                         |
| Garlic (including great headed), Leek, Onion (dry bulb and green), Onion welch, and Shallot.   | 5.2 – 10.4 mL           |
| <b>LEAFY VEGETABLES EXCEPT BRASSICA</b>  |                         |
| Amaranth (leafy, chinese spinach, tampala), Celery (including Chinese), Celtuce, Chervil, Corn salad, Cress (garden and upland), Dandelion, Dock, Endive, Fennel (finocchio), Lettuce (head and leaf), Parsley, Purslane (garden and winter), Radicchio, Rhubarb, Spinach (including New Zealand and vine), and Swiss Chard.   | 5.2 – 10.4 mL           |

| Crops  | Use Rate<br>per 100kg seed |
|--|----------------------------|
| <b>BRASSICA (COLE) LEAFY VEGETABLE GROUP</b>   |                            |
| Broccoli (including chinese and raab), Brussels Sprouts, Cabbage (including Chinese Bok Choy, Chinese Napa, and Chinese Mustard), Collards, Kale, Kohlrabi, Mustard Greens, Mustard Spinach, and Rape Greens.  | 5.2 – 10.4 mL              |
| <b>FRUITING VEGETABLES EXCEPT CUCURBITS</b>  |                            |
| Eggplant, Pepper (includes Bell Pepper, Chili Pepper, Cooking Pepper, Pimento, Sweet Pepper) and Tomato.   | 5.2 – 10.4 mL              |
| <b>CUCURBIT VEGETABLES</b>   |                            |
| Chinese Waxgourd, Citron Melon, Cucumber, Gherkin, Gourd Edible (includes Hyotan, Cucuzza, Hechima, Chinese Okra), Momordica, all Muskmelon, Pumpkin, all Squash and Watermelon.   | 5.2 – 10.4 mL              |
| <b>PEANUTS</b>   |                            |
| Peanuts  | 5.2 – 10.4 mL              |
| <b>HERBS AND SPICES</b>  |                            |
| Anise, Anise(star), Basil, Borage, Burnet, Camomile, Caper Buds, Caraway, Caraway Black, Cardamom, Catnip, Celery Seed, Chervil, Chive, Chinese Chive, Clary, Coriander (Chinese Parsley or Cilantro), Costmary, Culantro (seed), Dill Seed and Dill Weed, Common Fennel and Florence Fennel, Horehound, Hyssop, Lavender, Lemongrass, Lovage, Lovage Seed, Marigold, Marjoram, Mustard (seed), Nasturtium, Parsley (dried), Pennyroyal, Pepper (black and white), Poppy seed, Rosemary, Rue, Sage, Tansy, Tarragon, Thyme, Wintergreen, Woodruff, Wormwood. | 5.2 – 10.4 mL              |

### SEED TREATMENT - EXPORT USE

FOR TREATMENT OF SEED FOR EXPORT TO COUNTRIES REQUIRING TREATMENT WITH MAXIM 480FS COLOURLESS SEED TREATMENT FUNGICIDE AND APRON XL LS BEFORE IMPORTATION. User should verify actual registered rate in country of destination and/or use.

Seed treated in accordance with the export use pattern must be labeled as follows: "TREATED SEED: FOR EXPORT - NOT FOR DOMESTIC SALE OR USE."

### Resistance Management Recommendations

For resistance management, note that MAXIM 480FS Colourless Seed Treatment Fungicide contains a Group 12 fungicide. Any fungal population may contain individuals naturally resistant to MAXIM 480FS Colourless Seed Treatment Fungicide and other Group 12 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance management strategies should be followed.

**To delay fungicide resistance:**

- Where possible rotate the use of MAXIM 480FS Colourless Seed Treatment Fungicide or other Group 12 fungicides with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group when such use is permitted.
- Fungicide use should be based on an IPM program that includes scouting, historical information related to pesticide use and crop rotation and considers cultural, biological and other chemical control practices.
- Monitor treated fungal populations for resistance development.
- If disease continues to progress after treatment with this product, do not increase the use rate. Discontinue use of this product, and switch to another fungicide with a different target site of action, if available.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.

For further information or to report suspected resistance, contact Syngenta company representatives at 1-8yS-YNGENTA (1-877-964-3682) or at [www.syngenta.ca](http://www.syngenta.ca).

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