

PEEL HERE  
TO OPEN 

# Attendant<sup>®</sup> 480 FS

*seed treatment*

## Seed Treatment Insecticide

### ACTIVE INGREDIENT:

imidacloprid (CAS No. 138621-41-3) ..... 40.23%\*

**OTHER INGREDIENTS:** ..... 59.77%

**TOTAL:** ..... 100.00%

\*Contains 4 lbs. active ingredient per gallon, or 480 grams active ingredient per liter


## KEEP OUT OF REACH OF CHILDREN CAUTION

See inside booklet for Precautionary Statements, and  
Directions for Use.

For Product Use Information Call 1-866-761-9397

EPA Reg. No. 400-576

 EPA Est. No. 070815-GA-001

 EPA Est. No. 089332-GA-002

The EPA Establishment Number is identified by the circled  
letters that match the first two letters in the batch number

006/100615a

522931-C

Manufactured For:

**MACDERMID AGRICULTURAL SOLUTIONS, INC.**

245 Freight Street

Waterbury, CT 06702

**NET CONTENTS: 2.5 GALLONS**

## FIRST AID

<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 the person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by a 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>
<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 mouth-to-mouth if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</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 to 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 further treatment advice.</li></ul>
<b>EMERGENCY ASSISTANCE:</b> Have the product container or label with you when calling a poison control center or doctor, or going for treatment. <b>FOR 24-HOUR MEDICAL EMERGENCY ASSISTANCE CALL PROPHARMA: 1-866-303-6952 or +1-651-603-3432.</b> <b>FOR 24-HOUR CHEMICAL EMERGENCY (Spills, leaks, fire, exposure or accident) CALL CHEMTREC: 1-800-424-9300 or +1-703-527-3887.</b>	

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed, absorbed through skin or inhaled. 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 contaminated clothing and wash before reuse.

### 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, socks and shoes, and chemical-resistant gloves (such as nitrile, butyl, neoprene, barrier laminate, polyvinyl chloride or Viton).

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

### USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE 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 clothing.

### ENVIRONMENTAL HAZARDS

This product is **highly toxic to birds and aquatic invertebrates**. Cover or incorporate spilled treated seeds. Treated seed exposed on soil surface may be hazardous to birds.

**For On-Farm Use:** Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

**For Commercial Seed Treatment Facilities:** Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant discharge elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional office of the EPA.

This compound is highly toxic to bees exposed directly (contact). Ensure that planting equipment is functioning properly in accordance with manufacturing recommendations to minimize seed coat abrasion during planting to reduce dust which can drift to blooming crops or weeds.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all label directions and precautions carefully before use. Do not apply this product in a way that will contact workers or other persons. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### 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 12 hours.

Exception: Once the seed is planted in soil or other planting media, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area without restriction if there will be no contact with soil/subsurface. 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, shoes plus socks, protective eyewear.

**ATTENDANT® 480 FS** is a seed treatment insecticide that protects the labeled seeds and seedlings from injury from certain early-season insects. **ATTENDANT 480 FS** will also provide protection to seed in storage against damage from certain insects. Federal regulations have established official tolerances for pesticide residues. In order that residues on food and forage crops will not exceed established tolerances, use this product only at the rates contained on this label.

**ATTENDANT 480 FS** is formulated for both commercial and (for specific crops) agricultural establishment (on-farm) application. See below for Seed Treatment directions by crop, for application details. **ATTENDANT 480 FS** may be applied with mechanical, slurry, or mist-type seed treating equipment, provided that the equipment is calibrated to accurately and uniformly apply the product to seed. Uniform application to seed is necessary to ensure best insect protection and optimum performance. Only sound and well-cured seed are to be treated. Refer to the application instructions below for label rates and application details. **ATTENDANT 480 FS** will treat similarly to other concentrated imidacloprid seed treatment formulations. The specific treating process and equipment that is most suitable depend on factors such as the seed type, rate, treater type and temperature. Contact your local MacDermid representative or supplier for specific recommendations if assistance is required.

**Seed Dye or Colorant:** The purchaser of this product is responsible for ensuring that all seed treated with this product are adequately dyed with a suitable color to prevent its accidental use as food for man or feed for animals. Refer to 21 CFR, Part 2.25. Any dye or colorant added to treated seed must be cleared for use under 40 CFR, Part 153.155.

### ALWAYS MIX PRODUCT THOROUGHLY BEFORE USING

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another).

Always pretest tank mixes to assure physical compatibility between formulations. Observe the most restrictive of the labeling limitations and precautions of all products used in mixtures. Do not tank mix with any product that contains a label prohibition against tank mixing.

### STORED SEED PROTECTION

Applied at labeled rates equal to or above 1.0 fluid ounces per hundredweight (fl. oz. / cwt.), **ATTENDANT 480 FS** will provide protection to seed against injury from the following insects: Indian Meal Moth (*Plodia interpunctella*), Rice Weevil (*Sitophilus oryzae*), Red Flour Beetle (*Tribolium castaneum*) and Lesser Grain Borer (*Rhizopertha dominica*) for all labeled crops. Fumigate seed that has an existing population of stored grain pests before treating with this product and bagging seed.

## SEED TREATMENT FOR EARLY SEASON PROTECTION AGAINST CERTAIN SUCKING INSECTS

**ATTENDANT 480 FS** will aid in the early season protection of seeds and seedlings against injury by certain insects. In some cases, **ATTENDANT 480 FS** also provides protection against spread of certain viruses.

### **Canola:**

For End-Use Application At Agricultural Establishments: Always mix this product thoroughly before using. Apply using equipment such as a HCBT or Eight-Bag Batch Treater. Apply 6.4 to 16 fl. oz. of **ATTENDANT 480 FS** per 50 pound bag of seed. This product may be diluted with an approved fungicide mixture for extended disease protection. When using a batch treater, treat one-half of seed with one-half of the slurry mix; then add the remainder of the seed and slurry, and continue mixing until all seed is thoroughly covered.

For Commercial Seed Treatment: Apply with mechanical, slurry, or mist-type seed treating equipment, provided that the equipment is calibrated to accurately and uniformly apply the product to seed.

Crop	Pest	Rate	Comments
Canola	Aphids, Flea beetles, Wireworms	12.8 – 32.0 fl oz per 100 pounds (cwt) of seed To deliver 0.0182 – 0.0454 mg ai per seed, apply 0.128 – 0.32 fl oz of product per 100,000 seeds (Based on average of 100,000 seeds per lb)	Early season protection of seedlings. In areas where flea beetles and foliar insects are in high numbers, use the higher listed rate.  Please consult your local agricultural extension service office for pest patterns, history and forecasts to assist in determining the appropriate rate for your region.
	Second generation Lygus bugs (including <i>Lygus</i> spp); Cabbage seedpod weevil larvae (including <i>Ceutorhynchus assimilis</i> )	19.2 – 32.0 fl oz/cwt To deliver 0.0273 – 0.0454 mg. ai per seed, apply 0.192 – 0.32 fl oz of product per 100,000 seeds (Based on average of 100,000 seeds per lb)	For suppression only.  Use the higher listed rate when insects are in high numbers. Please consult your local agricultural extension service office for pest patterns, history and forecasts to assist in determining the appropriate rate for your region.

### **Corn, Sweet:**

For the protection of sweet corn plants from the insect pests listed below. Apply as a seed treatment at the listed rates.

Crop	Pest	Rate
Corn, Sweet	Flea beetle	8 fl oz / cwt
	Early season corn leaf aphid Seed corn maggot Wireworm	4 – 8 fl oz / cwt
	Imported fire ant Seed corn maggot (seed protection only)	2 – 4 fl oz / cwt
	Wireworm (seed protection only)	1 – 4 fl oz / cwt

The final slurry rate must be adjusted to apply a rate of 16 – 20 fl oz of dilute solution per hundredweight of seed with commercial application equipment.

### **Sorghum:**

For End-Use Application At Agricultural Establishments: Always mix product thoroughly before using. Apply 4 fl oz of **ATTENDANT 480 FS** per 50 pounds of seed using equipment such as a HCBT or Eight-Bag Batch Treater. This product must be diluted for a slurry application rate of 8 to 10 fluid ounces of slurry per 50 pounds of seed. When using a batch treater, treat one-half of the seed with one-half of the slurry mix. Then add remainder of the seed and slurry, and continue mixing until all seed is thoroughly covered. To improve seed flow, add dry talc at the rate of 0.75 ounce per 50 pounds of seed after slurry treatment, and allow it to distribute evenly on the seed.

For Commercial Seed Treatment: Apply 8.0 fl oz of product per hundredweight (cwt.) seed using any mechanical, slurry, or mist-type seed treating equipment, provided that the equipment is calibrated to accurately and uniformly apply the product to seed.

Crop	Pest	Rate	Comments
Sorghum	Aphids (including Corn leaf, English grain, Greenbug, and Yellow sugar cane aphid), Chinch bugs, Fire ants <sup>(1)</sup> , Wireworms	8.0 fl. oz./cwt. To deliver 0.0631 mg. ai per seed, apply 0.444 fl oz of product per 100,000 seeds (Based on average of 100,000 seeds per lb)	Provides early season protection of seedlings against injury. Thorough coverage is necessary for optimal control. <sup>(1)</sup> Note: Not to kill or control fire ants. Only for protection of seed. <b>Restriction:</b> DO NOT graze or feed livestock on treated areas for 45 days after planting.

#### **Wheat, Barley, Oats, Rye, Triticale:**

**For End-Use Application At Agricultural Establishments:** Always mix product thoroughly before using. Apply using equipment such as a Total Slurry Treater (TST), Farmer Applied Seed Treater (F.A.S.T.) or other on-farm seed treating equipment capable of accurately applying low rates of **ATTENDANT 480 FS**. Apply 1.0 – 3.0 fl oz per hundredweight (cwt) of seed as a slurry treatment prior to planting. **ATTENDANT 480 FS** must be combined with a fungicide product for seed and seedling protection against fungal pathogens, as well as the listed insects. Depending on the fungicide product used, dilution with water may be necessary for optimum coverage. **ATTENDANT 480 FS** may also be applied on-farm to seed previously treated with a fungicide. In this case, dilution is necessary.

**For Commercial Seed Treatment:** **ATTENDANT 480 FS** may be applied with mechanical, slurry, or mist-type seed treating equipment, provided that the equipment is calibrated to accurately and uniformly apply the product to seed. For maximum effectiveness, seed must be treated uniformly and covered thoroughly.

**Restriction:** DO NOT feed or graze livestock on treated areas for 45 days after planting.

Crop	Pest	Rate	Comments
Wheat, Barley, Oats, Rye, Triticale	Aphids (including Bird cherry-oat, English grain, Greenbug, and Russian wheat aphid), Hessian fly, Wireworms	1.0 – 3.0 fl oz/ cwt Wheat, barley, oats: To deliver 0.0109 - 0.0328 mg ai per seed, apply 0.077 - 0.231 fl oz of product per 100,000 seeds (Based on average of 13,000 seeds per lb) Rye, triticale: To deliver 0.0075 - 0.0226 mg ai per seed, apply 0.053 - 0.199 fl oz of product per 100,000 seeds. (Based on average of 18,850 seeds per lb)	Provides early season protection of seedlings. Reduces possible spread of barley yellow dwarf virus disease from aphid vectoring. Use the higher listed rate to increase time of protection and/or when insect pressure is heavy.
	Wireworms	0.16 – 0.32 fl oz/ cwt Wheat, barley, oats: To deliver 0.0017 - 0.0035 mg ai per seed, apply 0.012 - 0.025 fl oz of product per 100,000 seeds (Based on average of 13,000 seeds per lb) Rye, triticale: To deliver 0.0012 - 0.0024 mg ai per seed, apply 0.008 - 0.017 fl oz of product per 100,000 seeds (Based on average of 18,850 seeds per lb)	Provides suppression of activity on seed and young seedlings only. The 0.32 fl oz/cwt.rate increases the time of protection and/or improves protection when insect pressure is high, compared with lower rates of imidacloprid.
	Grasshoppers	1.5 – 3.0 fl oz/ cwt Wheat, barley, oats: To deliver 0.0109 - 0.0328 mg ai per seed, apply 0.077 - 0.231 fl oz of product per 100,000 seeds (Based on average of 13,000 seeds per lb) Rye, triticale: To deliver 0.0075 - 0.0226 mg ai per seed, apply 0.053 - 0.199 fl oz of product per 100,000 seeds (Based on average of 18,850 seeds per lb)	To help minimize early season damage from grasshoppers: Treated seed may be planted as a 50- to 60-foot border around the perimeter of the field. Use the higher listed rate to increase time of protection and / or when insect pressure is heavy. Consult your local agricultural extension service office for grasshopper control information specific to your area.

### **Cotton (Delinted Seed Only):**

For End-Use Application At Agricultural Establishments: Always mix product thoroughly before using. Apply using equipment such as a HCBT or Eight-Bag Batch Treater at the listed rates in the table below. This product may be diluted/slurried with water or an approved fungicide for disease control. Mix slurry so that rate is 8 to 10 fluid ounces of diluted slurry per 50 pounds of seed. When using a batch treater, treat one-half of the seed with one-half of the slurry; then add the remainder of seed and slurry, and continue mixing until all seed is thoroughly covered.

For Commercial Seed Treatment: Apply at 0.375 mg. a.i. per seed or 16.0 fluid ounces per hundredweight of seed (16 fl. oz./cwt.), whichever is less. Apply using any mechanical, slurry, or mist-type seed treating equipment, provided that the equipment is calibrated to accurately and uniformly apply the product to seed.

<b>Crop</b>	<b>Pest</b>	<b>Rate</b>	<b>Comments</b>
Cotton (delinted seed only)	Early season Thrips and Aphids	16.0 fl oz/ cwt To deliver 0.5047 mg ai per seed, apply 3.56 fl oz of product per 100,000 seeds (Based on average of 4,500 seeds per lb)	Provides protection of seedlings against injury. <b>Restriction:</b> DO NOT apply more than a total of 0.5 lb of imidacloprid per acre per cropping cycle, regardless of the type of application (seed treatment, soil, or foliar).

### **Sugar Beets:**

For Commercial Seed Treatment Only: Apply at the listed rates specified below with any mechanical, slurry, or mist-type seed treating equipment, provided that the equipment is calibrated to accurately and uniformly apply the product to seed. **IMPORTANT:** if rate exceeds 3.0 fl. oz. per unit, seed must be pelleted with at least 2 parts of pelleting mixture per part of raw seed.

<b>Crop</b>	<b>Pest</b>	<b>Rate<sup>(1)</sup></b>	<b>Comments</b>
Sugar Beets (commercial seed treatment)	Whiteflies, Aphids <sup>(3)</sup> , Leafhoppers <sup>(3)</sup> , Root aphids, Thrips, Wireworms	Pelleted seeded: 3.0 - 6.3 fl oz. per seed unit <sup>(2)</sup> Non-pelleted raw seed: 3.0 fl oz per seed unit <sup>(2)</sup>	Provides early season protection of seedlings. <sup>(1)</sup> 3.0 to 6.3 fl oz./seed unit may be applied if applied in or on a unit of pelleted sugar beet seed with a weight ratio of at least 2:1 pelleting mixture to raw seed. If applying to non-pelleted raw seed, apply in a film coat and do not exceed a rate of 3.0 fl oz. per unit of seed. <sup>(2)</sup> 1 seed unit = 100,000 seeds, approximately 1 kilogram (2.2 lb) <sup>(3)</sup> Including reducing risk of spread of Curly top and Yellow mosaic virus by insect vectors.

### **Other Crops:**

For Commercial Seed Treatment Only: Soybeans, carrots and the peas, beans and pod vegetables specified below are to be treated only by commercial treaters. **ATTENDANT 480 FS** may be applied with mechanical, slurry, or mist-type seed treating equipment, provided that the equipment is calibrated to accurately and uniformly apply the product to seed.

<b>Crop</b>	<b>Pest</b>	<b>Rate</b>	<b>Comments</b>
Soybean	To provide early season protection to seed and seedling against injury by aphids, seed corn maggots, thrips, wireworms, three cornered alfalfa hopper and over-wintering Bean leaf beetles. Helps suppress spread of certain viruses	2.0 – 4.0 fl oz/100 lbs. of seed To deliver 0.1014 – 0.2028 mg ai per seed*, apply 1.0 – 2.0 fl oz. of product per 140,000 seeds (Based on average of 2,800 seeds per lb)	Use the higher listed rate to provide increased length of protection and for heavy insect pressure. <b>ATTENDANT 480 FS</b> can be used as an over-treatment. Restriction: DO NOT graze or feed livestock on soybean forage or hay grown from treated seed.

\*Do not apply by seed treatment more than 0.067 lb of active ingredient imidacloprid per acre per season.

Crop	Pest	Rate	Comments
Beans and Peas (dried or succulent shelled and edible podded)	Wireworms, Bean leaf beetles, Imported fire ants <sup>(1)</sup> , Aphids	2.0 – 4.0 fl oz/cwt To deliver 0.1774 – 0.3549 mg ai per seed, apply 1.25 – 2.5 fl oz of product per 100,000 seeds (Based on average of 1,600 seeds per lb)	Provides early season protection of seedlings against injury. <b>*Restriction:</b> Seed-and-pod vegetable seed treated in California must be destined for planting in states other than California and is not to be planted in California. <sup>(1)</sup> Note: Not to kill or control fire ants. Only for protection of seed.
Carrot	Seed corn maggots, Wireworms	8.0 fl oz /cwt To deliver 0.0038 mg. ai per seed, apply 0.027 fl oz of product per 100,000 seeds (Based on average of 300,000 seeds per lb)	Provides early season protection of seedlings against injury.

### ROTATIONAL CROPS

Treated areas may be replanted with any crop specified on an imidacloprid label, or any crop for which a tolerance exists for the active ingredient, as soon as practical following the last application. For all other crops not listed on an imidacloprid label, or for crops for which no tolerances for the active ingredient has been established, a 12-month plant-back interval must be observed. The following plant-back intervals must be observed for listed crops:

Rotational Plant-Back Intervals*				
Immediate Plant-Back				30-Day Plant-Back
Artichoke	Crambe	Millet	Rye	Buckwheat
Barley	Cucurbits	Mustard Seed	Safflower	Rice
Borage	Eggplant	Oats	Sorghum	
Brassica (cole)	Flax	Okra	Soybean	
Leafy Vegetables	Ground cherry	Pepinos	Strawberry	
Canola	Leaf Petiole	Pepper	Sugarbeet	
Carrot	Vegetables Leafy	Popcorn	Sunflower	
Cilantro	Vegetables Legume	Potato	Tomatillo	
Corn, Field	Vegetables (succulent or dried, except soybean)	Rapeseed	Tomato	
Corn, Sweet		Root and Tuber	Triticale	
Cotton		Vegetables	Watercress	
Cranberry			Wheat	

\*Cover crops for soil building or erosion control may be planted any time, but do not graze or harvest for food or feed.

Notification of the crop rotational restriction must be conveyed to the grower by appropriate seed tag labeling or bag printing on all seed units.

### IMPORTANT – USE RESTRICTIONS

- Treated seed must not be used for or mixed with food or animal feed or processed for oil.
- **Wheat, Barley, Oats, Rye, Triticale and Sorghum:** Do not graze or feed livestock on treated areas for 45 days after planting.
- Cotton (delinted seed only): Regardless of the type of application (seed treatment, soil, or foliar), do not apply more than a total of 0.5 lb. imidacloprid per acre per cropping cycle.
- **Seed-and-pod vegetable seed treated in California** must be destined for planting in states other than California and is not to be planted in California.

### TREATED SEED LABELING

Seed commercially treated with **ATTENDANT 480 FS** Seed Treatment must be labeled in accordance with all applicable requirements of the Federal Seed Act. The user of this product is responsible for ensuring that the seed bag meets all requirements under the Federal Seed Act.

NOTIFICATION of the crop rotational restriction must be conveyed to the grower by appropriate seed tag labeling or bag printing on all seed units.

NOTE: The purchaser of this product is responsible for ensuring that all seed treated with this product are adequately dyed with a suitable color to prevent its accidental use as food for man or feed for animals. Refer to 21 CFR, Part 2.25. Any dye or colorant added to treated seed must be cleared for use under 40 CFR, Part 153.155(a). Federal regulations have established official tolerances for certain pesticide residues. In order that residues on food and forage crops will not exceed established tolerances, use only at the listed rates.

**THE FEDERAL SEED ACT REQUIRES THAT BAGS CONTAINING TREATED SEEDS BE LABELED WITH THE FOLLOWING STATEMENTS:**

This seed has been treated with **ATTENDANT 480 FS**.

DO NOT use treated seed for feed, food, or oil purposes.

**THE US ENVIRONMENTAL PROTECTION AGENCY REQUIRES THE FOLLOWING STATEMENTS ON BAGS CONTAINING SEEDS TREATED WITH ATTENDANT 480 FS**

- Pollinator Precautions: Imidacloprid is highly toxic to bees. Ensure that planting equipment is functioning properly in accordance with manufacturer specifications to minimize seed coat abrasion during planting to reduce dust which can drift to blooming crops or weeds.
- Store away from feeds and foodstuffs.
- Wear long sleeved shirt, long pants, and chemical resistant gloves when handling treated seed.
- Treated seed must be planted into the soil at a depth greater than 1 inch.
- Exposed treated seed may be hazardous to birds. Cover or incorporate spilled treated seeds. Excess seed may be double sown around the headland or buried away from bodies of water in accordance with local requirements.
- Dispose of seed packaging in accordance with local requirements.
- DO NOT contaminate water bodies when disposing of planting equipment washwater.
- DO NOT allow children, pets, or livestock to have access to treated seed.
- In the event of a crop failure or harvest of a crop grown from **ATTENDANT 480 FS** treated seed, the field may be replanted immediately to artichoke, barley, borage, Brassica (cole) leafy vegetables, bulb vegetables, canola, cilantro, corn (field or sweet), cotton, cranberry, crambe, cucurbits, eggplant, flax, groundcherry, leafy petiole vegetables, leafy vegetables, legume vegetables (succulent or dried including soybean), millet, mustard seed, oats, okra, pepinos, pepper, popcorn, potato, rapeseed, rye, safflower, sorghum, soybean, strawberry, sugarbeets, sunflower, tomatillo, tomato, triticale, root and tuber vegetables, watercress, and wheat. For cereals, including buckwheat and rice, the minimum plant back interval is 30 days from the date **ATTENDANT 480 FS** treated seed was planted. Cover crops for soil building or erosion control may be planted at any time but do not graze or harvest for food or feed. For all other crops not listed on an imidacloprid label or for crops for which no tolerance for the active ingredient has been established a 12 month plant back interval must be observed.
- The maximum application rate (including seed treatment foliar application and soil application) per acre per year for imidacloprid is 0.5 lb.
- This seed has been treated with  $\_\text{lbs}$  imidacloprid per  $\_\text{lbs}$  of seed [ or  $\_\text{mg}$  imidacloprid per seed].
- Excess treated seed may be used for ethanol production only if (1) 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.



## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in original container only. After partial use, replace lid and close tightly. Store in a secure place that is temperate, dry and out of direct sunlight. Protect from freezing temperatures.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

### CONTAINER DISPOSAL:

#### Non-refillable Container

**Plastic Containers:** Do not reuse or refill this container. Triple rinse (or equivalent) container promptly after emptying. Then offer container for recycling, reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

#### Triple rinse as follows:

*For containers with capacity equal to or less than 5 gallons:* Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Add water - at least 2% of the container volume, and up to 1/3 of the volume of water needed to make the proper slurry composition with a maximum of 1/4 of the container volume - and recap. Shake for 30 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. If used in application equipment, adjust the slurry volume application rate to account for any added rinsate water.

#### Recycling

Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact the Ag Container Recycling Council (ACRC) at 1-877-952-2272 (toll free) or [www.acrecycle.org](http://www.acrecycle.org).

**IMPORTANT NOTICE** - Seller warrants that this product conforms to the chemical description and is reasonably fit for the purposes stated on the label only when used in accordance with the directions and instructions specified on the label under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product, contrary to label instructions, or under conditions not reasonably foreseeable to seller, and, to the extent consistent with applicable law, the buyer assumes the risk of any such use.

Treatment of highly mechanically 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 and conduct germination tests on a small test sample of seed before treating commercial quantities with a selected chemical treatment. Due to seed quality and seed storage conditions beyond the control of MacDermid Agricultural Solutions, Inc., MacDermid makes no claims or guarantees as to germination of carry-over seed.

ATTENDANT is a registered trademark of MacDermid Agricultural Solutions, Inc.

©2017 MacDermid Agricultural Solutions, Inc.

**This page was intentionally left blank.**

**This page was intentionally left blank.**

**This page was intentionally left blank.**

# Attendant® 480 FS

seed treatment

Seed Treatment Insecticide

**ACTIVE INGREDIENT:**

imidacloprid (CAS No. 138621-41-3) ..... 40.23%\*

**OTHER INGREDIENTS:** ..... 59.77%

**TOTAL:** ..... 100.00%

\*Contains 4 lbs. active ingredient per gallon, or 480 grams active ingredient per liter

## KEEP OUT OF REACH OF CHILDREN CAUTION

See inside booklet for additional Precautionary Statements, and Directions for Use.

For PRODUCT USE INFORMATION Call 1-866-761-9397

FIRST AID	
<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 the person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by a 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>
<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 mouth-to-mouth if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</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 to 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 further treatment advice.</li></ul>
<b>EMERGENCY ASSISTANCE:</b> Have the product container or label with you when calling a poison control center or doctor, or going for treatment. <b>FOR 24-HOUR MEDICAL EMERGENCY ASSISTANCE CALL PROPHARMA:</b> 1-866-303-6952 or +1-651-603-3432. <b>FOR 24-HOUR CHEMICAL EMERGENCY (Spills, leaks, fire, exposure or accident) CALL CHEMTREC: 1-800-424-9300 or +1-703-527-3887.</b>	

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed, absorbed through skin or inhaled. 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 contaminated clothing and wash before reuse.

### ENVIRONMENTAL HAZARDS

This product is **highly toxic to birds and aquatic invertebrates**. Cover or incorporate spilled treated seeds. Treated seed exposed on soil surface may be hazardous to birds.

**For On-Farm Use:** Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

**For Commercial Seed Treatment Facilities:** Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant discharge elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional office of the EPA. This compound is highly toxic to bees exposed directly (contact). Ensure that planting equipment is functioning properly in accordance with manufacturing recommendations to minimize seed coat abrasion during planting to reduce dust which can drift to blooming crops or weeds.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in original container only. After partial use, replace lid and close tightly. Store in a secure place that is temperate, dry and out of direct sunlight. Protect from freezing temperatures.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

### CONTAINER DISPOSAL:

#### Non-refillable Container

**Plastic Containers:** Do not reuse or refill this container. Triple rinse (or equivalent) container promptly after emptying. Then offer container for recycling, reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

#### Triple rinse as follows:

*For containers with capacity equal to or less than 5 gallons:* Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Add water - at least 2% of the container volume, and up to 1/3 of the volume of water needed to make the proper slurry composition with a maximum of 1/4 of the container volume - and recap. Shake for 30 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. If used in application equipment, adjust the slurry volume application rate to account for any added rinsate water.

#### Recycling

Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact the Ag Container Recycling Council (ACRC) at 1-877-952-2272 (toll free) or [www.acrcycle.org](http://www.acrcycle.org).


ATTENDANT is a registered trademark of MacDermid Agricultural Solutions, Inc.


Manufactured For:

**MACDERMID AGRICULTURAL SOLUTIONS, INC.**

245 Freight Street  
Waterbury, CT 06702-1818

EPA Reg. No. 400-576

 EPA Est. No. 070815-GA-001

 EPA Est. No. 089332-GA-002

The EPA Establishment Number is identified by the circled letters that match the first two letters in the batch number.

006/100615a

522931-C

**NET CONTENTS: 2.5 GALLONS**