

# Attendant® 600

Seed Treatment Insecticide

Active Ingredient:

Imidacloprid 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine ..... 48.7%

Other Ingredients:..... 51.3%

Total..... 100.0%

Contains 5 lbs. active ingredient per gallon (600 grams per liter).

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail).

### FIRST AID

**IF SWALLOWED:**

- Call a poison control center or doctor immediately for treatment advice.
- Have the person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

**IF ON SKIN OR CLOTHING:**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

**IF INHALED:**

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for further treatment advice.

**NOTE TO PHYSICIAN:** No specific antidote is available. Treat the patient symptomatically.

**EMERGENCY ASSISTANCE:** Have the product container or label with you when calling a poison control center or doctor, or going for treatment.  
**For 24-Hour Medical Emergency Assistance (Human or Animal), Call 1-800-292-5898.**  
**For Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call CHEMTREC at 1-800-424-9300. For Chemical Safety Data and Information, Call 1-866-430-2775 Toll Free, or Visit our Web Site at [www.chemtura.com](http://www.chemtura.com)**

### Net Contents:

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Distributed by:

Chemtura Corporation

199 Benson Road

Middlebury, CT 06749



[www.tracechemicals.com](http://www.tracechemicals.com)

[www.chemtura.com](http://www.chemtura.com)

**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. 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:**

1. Long-sleeved shirt and long pants,
2. Socks and shoes, and
3. 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**. For terrestrial uses, 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 washwaters. Cover or incorporate spilled treated seeds.

**DIRECTIONS FOR USE**

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. 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.

For use in commercial seed treaters only, with the exception of application to canola, cotton (delinted seed), field corn, sorghum, wheat and barley, which may be made either by commercial seed treatment or as an end-use seed treatment on agricultural establishments at, or immediately before, planting. This product is to be used in liquid or slurry treaters.

MIX THOROUGHLY BEFORE USE OR USE ENTIRE CONTAINER AT ONE TIME.

All tank mixes should be pre-tested to determine physical compatibility between formulations. Observe all cautions and limitations on labeling of all products used in mixtures.

**STORED SEED PROTECTION**

To protect stored seed of crops listed on this label, apply a minimum of 0.8 fluid ounces of ATTENDANT® 600 per 100 pounds of seed. Pests controlled by this application include Indian Meal Moth (*Plodia interpunctella*), Rice Weevil (*Sitophilus oryzae*), Red Flour Beetle (*Tribolium castaneum*), and Lesser Grain Borer (*Rhizopertha dominica*). If seed being treated is known to have existing pest infestation, fumigation may be necessary prior to bagging.

**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:* If the seed is treated with the product and the treated seed is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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

1. Coveralls
2. Chemical-resistant gloves (such as nitrile, butyl, neoprene, barrier laminate, polyvinyl chloride, or Viton)
3. Shoes plus socks
4. Protective eyewear.

**EARLY SEASON PROTECTION AGAINST SUCKING INSECTS**

<b>Crop</b>	<b>Pest</b>	<b>Rate (fl. oz./hundred weight seed)</b>	<b>Comment</b>
Canola, Rapeseed and Mustard Seed	Aphids, Flea beetles, Wireworms	10.24 – 25.6	Use higher rate when pest populations are above historical levels.
	Lygus Bugs (including <i>Lygus</i> spp.) Seedpod Weevil Larvae (including <i>Ceutorhynchus assimilis</i> )	15.36 – 25.6	Suppression only. Use higher rate when pest populations are above historical levels.

**Canola, Rapeseed and Mustard Seed (For end use application at agricultural establishments):**

Shake product well before making slurry, and apply using a HCBT or Batch Treater. Apply 5.1 to 12.8 fl. oz. of ATTENDANT 600 per 50 pound bag. May be diluted with an approved fungicide for disease control. Treat ½ of seed with ½ of slurry then add remainder of seed and slurry and continue mixing until all seed are covered.

<b>Crop</b>	<b>Pest</b>	<b>Rate (Fl. oz. per 80,000 units of seed)</b>	<b>Comment</b>
Field Corn	Corn root worm (including Northern, Western, Southern, and Mexican) <sup>(1)</sup> , Flea beetle, Chinch bug, Southern green stinkbug, White grub, Seed corn maggot, Thrips, Wireworm, Corn leaf aphid, Imported fire ant, Southern corn leaf beetle, Billbug <sup>(2)</sup> , Grape colaspis <sup>(2)</sup> , Black cutworm <sup>(3)</sup>	6.0 (Equivalent to 1.34 milligrams a.i. per kernel)	<sup>(1)</sup> In areas of heavy to severe corn rootworm populations, protection will not be adequate. Use only in areas of light to moderate corn root-worm populations. Consult your State Agricultural Extension Service on levels of corn rootworm populations.  <sup>(2)</sup> Reduces early season feeding damage.  <sup>(3)</sup> Will reduce feeding damage caused by leaf feeding black cutworms that are ½ inch or less in length.
	Flea beetle, Chinch bug, Seed corn maggot, Thrips, Wireworm, Corn leaf aphid, Imported fire ant, Grape colaspis <sup>(2)</sup> , White grub	2.70 (Equivalent to 0.60 milligrams a.i. per kernel)	<sup>(4)</sup> Reduces feeding damage during emergence and seedling stages.
	Seed corn maggot (seed protection only), Wireworm (seed protection only), Flea beetle (through 1-leaf stage), Imported fire ant, White grub <sup>(4)</sup>	0.72 (Equivalent to 0.16 milligrams a.i. per kernel)	

**Field Corn (for end use application at agricultural establishments):**

Shake product well before making slurry, and apply using a HCBT or Eight-Bag Batch Treater. May be diluted with an approved fungicide for disease control. Mix slurry so that rate is 8-10 fluid ounces per 50 pound bag of seed. Treat ½ of seed with ½ of slurry then add remainder of seed and slurry and continue mixing until all seed are covered. After slurry treatment, the addition of dry talc at the rate of ¾ -1 ounce per 50 pounds of seed is recommended to minimize risk of moisture buildup in planter.

<b>Crop</b>	<b>Pest</b>	<b>Rate (fl. oz./hundred weight seed)</b>	<b>Comment</b>
Wheat, Barley, Oats, Rye, Triticale	Aphids (including Bird cherry-oat, English grain, Greenbug, and Russian wheat aphid), Hessian fly	0.8 - 2.4	Reduces possible yellow dwarf virus disease from aphid vectoring.  Use the higher rate to increase time of protection and/or when insect pressure is heavy.
	Wireworm	0.13 – 0.26	Suppression only. Use the higher rate to increase time of protection and/or when insect pressure is heavy.
	Grasshopper	1.2 – 2.4	Treated seed may be planted as a 50- to 60-foot border around the perimeter of the field to help minimize early season damage from grasshoppers.  Consult your local agricultural extension agent for grasshopper control information specific to your area.  Use the higher rate to increase time of protection and/or when insect pressure is heavy.

**Wheat, Barley, Oats, Rye, Triticale (For End-Use Application at Agricultural Establishments):**

Make application using 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 600. Apply 0.8 – 2.4 fl. oz. per hundredweight of seed. ATTENDANT 600 may be mixed with a fungicide product for protection against diseases. ATTENDANT 600 may be applied to seed previously treated with a fungicide. In this case, dilution is necessary.

Do not graze or feed livestock on treated areas for 45 days after planting.

<b>Crop</b>	<b>Pest</b>	<b>Rate (fl. oz. per hundred weight seed)</b>	<b>Comments</b>
Sorghum	Aphids (including Corn leaf, English grain, Greenbug, and Yellow sugar cane aphid), Chinch bugs, Imported fire ants, Wireworms	6.4	Thorough coverage is necessary for optimal control.

**Sorghum (For End-Use Application at Agricultural Establishments):**

Shake product well before making slurry, and apply using a HCBT or Eight-Bag Batch Treater. May be diluted with an approved fungicide for disease control. Mix slurry so that rate is 8-10 fl. oz. per 50 pound bag of seed. Treat ½ of seed with ½ of slurry then add remainder of seed and slurry and continue mixing until all seed are covered. After slurry treatment, the addition of dry talc at the rate of ¾ - 1 ounce per 50 pounds of seed is recommended to minimize risk moisture buildup in planter.

Do not graze or feed livestock on treated areas for 45 days after planting.

<b>Crop</b>	<b>Pest</b>	<b>Rate (fl. oz. per hundred weight seed)</b>	<b>Comments</b>
Cotton (Delinted Seed Only)	Thrips & Aphids	12.8 (Equivalent to 0.375 milligram a.i./seed)	Regardless of the type of application (seed treatment, soil, or foliar), do not apply more than a total of 0.5 lb. of imidacloprid/acre/cropping cycle.

**Cotton (Delinted Seed Only) (For End-Use Application at Agricultural Establishments):**

Shake product well before making slurry, and apply using a HCBT or Eight-Bag Batch Treater. May be diluted with an approved fungicide for disease control. Mix slurry so that rate is 8 – 10 fluid ounces per 50 pound bag of seed. Treat ½ of seed with ½ of slurry then add remainder of seed and slurry and continue mixing until all seed are covered.

<b>Crop</b>	<b>Pest</b>	<b>Rate (fl. oz. per hundred weight seed)</b>	<b>Comments</b>
Sweet Corn (commercial seed treatment)	Flea beetle, Early season corn leaf aphid, Seed corn maggot, Wireworm	6.4	Mix slurry so that it is applied at a rate of 16 – 20 fl. oz. of diluted solution per hundredweight of seed.
	Imported fire ant, Early season corn leaf aphid, Seed corn maggot, Wireworm	3.2 – 6.4	
	Imported fire ant Seed corn maggot (seed protection), Wireworm (seed protection)	1.6 – 3.2	
	Wireworm (seed protection)	0.8 – 1.6	
Popcorn (commercial seed treatment)	Flea beetles	6.4	

<b>Crop</b>	<b>Pest</b>	<b>Rate (fl. oz. per hundred weight seed)</b>	<b>Comments</b>
Soybean	Seed corn maggot, Soybean aphids, Over-wintering Bean leaf beetles	1.6 – 3.2	Use higher rates to provide increased length of protection and for heavy insect pressure. Can be used as an over-treatment. Do not graze or feed livestock on soybean forage or hay.

Crop	Pest	Rate (fl. oz. per hundred weight seed)	Comments
Adzuki Bean, Asparagus Bean, Broad Bean (Succulent or Dry), Catjang Bean, Chinese Longbean, Field Bean, Guar Bean, Jackbean, Kidney Bean, Lablab Bean, Lima Bean (Succulent or Dry), Moth Bean (Succulent or Dry), Mung Bean, Navy Bean, Pinto Bean, Rice Bean, Runner Bean, Snap Bean, Sword Bean, Tepary Bean, Urd Bean, Wax Bean, Yard-long Bean, Blackeye Pea (Succulent or Dry), Chickpea, Cowpea (Succulent or Dry), Crowder Pea, Dwarf Pea, Edible-Pod Pea, English Pea, Field Pea, Garden Pea, Green Pea, Pigeon Pea (Succulent or Dry), Snow Pea, Southern Pea (Succulent or Dry), Sugar Snap Pea, Grain Lupine, Sweet Lupine, White Lupine, White Sweet Lupine, Lentil*	Wireworm, Bean leaf beetle, Imported fire ant, Aphid	1.6 – 3.2	*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.
Carrot	Seed corn maggot, Wireworm	6.4	

#### 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. The following plant-back intervals must be observed for listed crops:

Rotational Plant-Back Intervals*				
Immediate Plant-Back				30-Day Plant-Back
Artichoke	Cranberry	Mustard Seed	Soybean	Cereals, including: Buckwheat Millet Rice Safflower
Barley	Cucurbits	Oats	Strawberry	
Brassica (cole)	Eggplant	Okra	Sugarbeet	
Leafy Vegetables	Ground cherry	Pepinos	Tomatillo	
Canola	Leaf Petiole	Pepper	Tomato	
Cilantro	Vegetables	Popcorn	Triticale	
Corn, Field	Leafy Vegetables	Potato	Vegetable Root and	
Corn, Sweet	Legume Vegetables	Rapeseed	Tuber	
Cotton	(succulent or dried, except soybean)	Rye	Watercress	
		Sorghum	Wheat	
*Cover crops for soil building or erosion control may be planted 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 tolerances for the active ingredient has been established, a 12-month plant-back interval must be observed.				

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 180.1001. 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 recommended rates.

Treated seed must not be used for or mixed with food or animal feed or processed for oil. Seed commercially treated with ATTENDANT 600 must be labeled in accordance with all applicable requirements of the Federal Seed Act.

Labels for commercially treated seed must include the following addition to the Environmental Hazards statements:

“Exposed treated seed may be hazardous to birds. Dispose of all excess treated seed and seed packaging by burial away from bodies of water. Cover or incorporate spilled treated seeds.”

### USE RESTRICTION

**Rape greens** grown and harvested from ATTENDANT 600 treated seed must not be used for human and feed consumption.

**Rapeseed** grown and harvested from treated seed is only for industrial uses and must not be used for edible oil or any other human/feed consumption.

**Wheat, Barley, Oats, Rye, Triticale, 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.

### STORAGE AND DISPOSAL

**Prohibitions:** Do not contaminate water, food or feed by storage, disposal, or by cleaning of equipment. Do not reuse empty container. Open dumping is prohibited.

**Pesticide Storage:** Store in a cool place. Do not store in 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:** Contact your chemical supplier for container return instructions. If container is not returned in accordance with instructions, triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### CONDITIONS OF SALE AND LIMITED WARRANTY STATEMENT

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

Treatment of highly mechanically damaged seed, or seed of known 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 portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of Chemtura Corporation, no claims are made to guarantee germination of carry-over seed.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Chemtura Corporation. All such risks shall be assumed by the user or buyer.

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