

100-797



United States
 Environmental Protection Agency
 Washington, DC 20460

03/05/1999

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

117
 OPP Identifier Number
 NOTIFICATION

Application for Pesticide - Section I

1. Company/Product Number 100-797	2. EPA Product Manager Ms. Mary Waller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Apron XL WS	PM# 24	
5. Name and Address of Applicant (Include ZIP Code) Novartis Crop Protection, Inc. P. O. Box 18300 Greensboro, NC 27419 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i) my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

NOTIFICATION
MAR 5 1999

Explanation: Use additional page(s) if necessary. (For Section I and Section II.) Change company name from Ciba to Novartis Crop Protection, Inc

This notification is consistent with the provision of PR Notice 95-2 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 95-2 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under section 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Metal <input type="checkbox"/>		Plastic <input type="checkbox"/>
*Certification must be submitted			If "Yes" Unit Packaging wgt.	No. per container	Glass <input type="checkbox"/>
			If "Yes" Unit Packaging wgt.	No. per container	Paper <input type="checkbox"/>
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 2.0 pounds		5. Location of Label Directions <input type="checkbox"/> On Label <input checked="" type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Other _____ <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled					

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Richard Pence	Title Senior Regulatory Manager	Telephone No. (Include Area Code) 336-632-2461
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamp)
2. Signature <i>Richard Pence</i>	3. Title Senior Regulatory Manager	
4. Typed Name Richard Pence	5. Date February 23, 1999	



NOTIFICATION

MAR 5 1999

Apron XLTM WS

FUNGICIDE

A seed treatment chemical for control of *Pythium* and *Phytophthora* causing damping-off, seed rot, and systemic downy mildew diseases of certain crops

Active Ingredients:

(R)-2-[(2,6-dimethylphenyl)-methoxyacetyl-amino]-propionic acid methyl ester	43.6%
Related Compounds	1.4%

Other Ingredients: 55.0%

Total: 100.0%

Apron XL WS is a wettable powder packaged in a water-soluble bag.

EPA Reg. No. 100-797

EPA Est. 67545-AZ-1

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use inside booklet.

This outer protective container contains Apron XL WS in an inner water-soluble bag. Entire inner bag and contents dissolve in water. After opening outer container, immediately drop entire unopened inner bag into the partially filled sprayer or mix tank. Do not handle the soluble bag or expose it to moisture, since this may cause rupturing.

ONE POUND

NET WEIGHT

 **NOVARTIS**

DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

IMPORTANT: Read the entire **Directions for Use** and the **Conditions of Sale and Warranty** before using this product. If terms are not acceptable, return the unopened product container at once.

CONDITIONS OF SALE AND WARRANTY

The **Directions for Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with 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 Novartis Crop Protection, Inc. or the Seller. All such risks shall be assumed by the Buyer.

Novartis warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions for Use** subject to the inherent risks referred to above.

Novartis makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Novartis or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. Novartis and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing **Conditions of Sale and Warranty**, which may be varied only by agreement in writing signed by a duly authorized representative of Novartis.

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.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry Interval (REI) of 48 hours. Exception: If the seed is treated with the product and the treated seed is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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

- Coveralls
- Waterproof gloves
- Shoes plus socks

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY OR POOR DISEASE CONTROL.

GENERAL INFORMATION

Apron XL WS is a systemic fungicide seed dressing specifically for control of systemic downy mildews and diseases caused by soil-borne *Pythium* and *Phytophthora* spp. When a rate range is specified, use higher rates of Apron XL WS when the disease pressure is expected to be high.

For control of other soil-borne diseases, such as *Rhizoctonia* spp., Apron XL WS should be applied in combination with other registered seed dressing fungicides.

Note: Apron XL WS is a systemic fungicide having a specific mode of action. Apron XL WS could be subject to development of insensitive strains of fungi. Development of insensitivity cannot be predicted. Therefore, Novartis cannot assume liability for crop damage resulting from insensitive strains of fungi. Consult with your State Agricultural Experiment Station or Extension Service Specialist for guidance and ways to control any possible Apron XL WS insensitive strains of fungi which may occur.

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Apron XL WS may be applied as a water-based slurry with other registered seed treatment insecticides and fungicides through standard slurry- or mist-type commercial seed treatment equipment.

Mixing Instructions

Prepare no more mixture than is needed for the immediate operation. Thoroughly clean spray equipment before using this product. **Vigorous agitation is necessary to dissolve the bag and disperse the product. Maintain maximum agitation throughout the spraying operation.** Do not let the spray mixture stand overnight in the spray tank. Flush the spray equipment thoroughly following each use.

Note: 1 lb. of Apron XL WS displaces 0.7 lbs. of water.

Precautions: (1) *Water-soluble bags of Apron XL WS must be completely dissolved and dispersed in plain water before any other tank mix partner is added to the spray solution.* (2) *The maximum recommended concentration of Apron XL WS in slurries is 7 oz. of Apron XL WS in 10 oz. of water per 100 lbs. of seed.*

Apron XL WS Alone: Add 1/4 of the required amount of plain water to the spray or mixing tank. With the agitator running, drop the required number of **unopened** soluble bags of Apron XL WS into the tank all at once. Continue agitation while adding the remainder of the water. Begin application of the spray solution after the bags have dissolved and the material has completely dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

Apron XL WS + Tank Mixtures: Add 1/4 of the required amount of plain water to the spray or mixing tank. With the agitator running, drop the required number of **unopened** soluble bags of Apron XL WS, and any other products packaged in water-soluble bags, into the tank all at once. After the water-soluble bags have dissolved and the products have dispersed uniformly into the mix water, continue to fill the tank with water. Then add the desired amount of other products recommended for tank mixture and allow them to become completely dispersed. Continue agitation to maintain a uniform suspension until all of the spray solution has been applied.

If using Apron XL WS in a tank mixture with other seed treatment chemicals, observe all directions for use, crops/sites, use rates, dilution ratios, precautions, and limitations which appear on the tank mix product label. No label dosage rate should be exceeded, and the most restrictive label precautions and limitations should be followed. This product should not be mixed with any product which prohibits such mixing.

SEED TREATMENT – DOMESTIC USE

Carrots	For Pythium damping-off control: Apply Apron XL WS as a seed treatment at 0.27-0.53 oz./100 lbs. of seed.
Cereal Grains	<p>Wheat, barley, rye, oats, millet, rice, corn (field corn, sweet corn, and popcorn), buckwheat, and triticale.</p> <p>For Pythium damping-off control: Apply Apron XL WS as a seed treatment at the rate of 0.27-0.53 oz./100 lbs. of seed.</p> <p>For Pythium seed rot and damping-off control in field corn when applied in combination with Maxim® or captan products at labeled rates: Apply Apron XL WS as a seed treatment at 0.035 oz./100 lbs. of seed.</p> <p>For systemic downy mildew control of sweet corn: Apply Apron XL WS as a seed treatment at the rate of 1.06 oz./100 lbs. of seed.</p> <p>For Pythium damping-off control in wheat, barley, rye, and oats, when applied in combination with Dividend® or other seed treatment products labeled for disease control in these crops: Apply Apron XL WS as a seed treatment at 0.035 oz./100 lbs. of seed.</p> <p>For Pythium seed rot and damping-off control in rice when applied in combination with Vitavax® 200, 42-S Thiram, or RTU® Vitavax-Thiram at labeled rates: Apply Apron XL WS as a seed treatment at 0.035-0.07 oz./100 lbs. of seed.</p> <p>Note: If using Apron XL WS-treated rice seed, do not use Ridomil Gold® for control of Pythium in water seeded rice.</p>
Cotton	For Pythium seed rot and damping-off control: Apply Apron XL WS as a seed treatment to machine-delinted or acid-delinted cottonseed at the rate of 0.27-0.53 oz./100 lbs. of seed.
Forage Grasses	<p>Grasses grown for hay grazing or silage, corn (fodder or silage), and small grain grown for hay grazing or silage.</p> <p>For Pythium damping-off control: Apply Apron XL WS as a seed treatment at the rate of 0.27-0.53 oz./100 lbs. of seed.</p>
Forage Legumes	<p>Alfalfa, clover, lespedeza, beans (for forage), soybeans (for forage), soybean hay, peas (for forage), pea vine hay, cowpeas (for forage), cowpea hay, trefoil, vetch, and velvet beans (for forage).</p> <p>For Pythium damping-off and early season Phytophthora control: Apply Apron XL WS as a seed treatment at the rate of 0.53 oz./100 lbs. of seed.</p> <p>For suppression of early season downy mildew in alfalfa and soybeans: Apply Apron XL WS as a seed treatment at the rate of 0.53 oz./100 lbs. of seed.</p>

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SEED TREATMENT – DOMESTIC USE (continued)

Garden/Table Beets	For Pythium damping-off control: Apply Apron XL WS as a seed treatment at the rate of 0.53 oz./100 lbs. of seed.
Legume Vegetables and Okra	<p>Black-eyed peas, cowpeas, edible soybeans, soybeans, field beans, chick peas (garbanzo beans), field peas, garden peas, green beans, kidney beans, lima beans, navy beans, okra, pinto beans, peas, pole beans, snap beans, string beans, wax beans, lentils, and lupines.</p> <p>For Pythium damping-off control: Apply Apron XL WS as a seed treatment at 0.27-0.53 oz./100 lbs. of seed.</p> <p>For Pythium damping-off control in field beans, kidney beans, navy beans, pinto beans, and lentils when disease pressure is expected to be low: Apply Apron XL WS as a seed treatment at 0.07-0.27 oz./100 lbs. of seed in combination with other seed treatment products labeled for these crops.</p> <p>For early season Phytophthora control: Apply Apron XL WS as a seed treatment at 0.53 oz./100 lbs. of seed.</p> <p>For Pythium damping-off and systemic downy mildew control of peas: Apply Apron XL WS as a seed treatment at the rate of 1.06 oz./100 lbs. of seed.</p>
Peanuts	For Pythium seed rot and damping-off control: Apply Apron XL WS as a seed treatment at 0.27-0.53 oz./100 lbs. of seed.
Sorghum	<p>For Pythium damping-off control on all sorghum cultivars: Use 0.27-0.53 oz. of Apron XL WS per 100 lbs. of seed applied as a seed treatment.</p> <p>For Pythium damping-off control when pressure is expected to be low: Apply Apron XL WS as a seed treatment at 0.07-0.27 oz./100 lbs. of seed in combination with Maxim or captan products at labeled rates.</p> <p>For systemic downy mildew control: Apply 0.53 oz. of Apron XL WS per 100 lbs. of seed on cultivars which possess sorghum downy mildew resistance. To those cultivars which do not possess resistance to a particular race of sorghum downy mildew grown in areas with recent history of severe disease, apply 1.06 oz. of Apron XL WS per 100 lbs. of seed as a seed treatment.</p> <p>Note: Seed treated with the 1.06 oz. rate should be planted and not carried over to the following year.</p> <p>Only high quality sorghum seed (90% germ and above) should be treated with Apron XL WS.</p>
Soybeans	<p>For Pythium damping-off and early season Phytophthora control: Apply Apron XL WS as a seed treatment at the rate of 0.27-0.53 oz./100 lbs. of seed.</p> <p>For Pythium damping-off control when disease pressure is expected to be low: Apply Apron XL WS as a seed treatment at 0.07-0.27 oz./100 lbs. of seed in combination with other seed treatment products labeled for soybeans.</p>
Spinach	<p>For Pythium damping-off control: Apply Apron XL WS as a seed treatment at 0.27-0.53 oz./100 lbs. of seed.</p> <p>Note: Do not apply Apron XL WS to spinach which is destined to be grown in the greenhouse. Containers or bags containing Apron-treated spinach seed must be labeled with the restriction: "Do not use seed for spinach destined to be grown in the greenhouse."</p>
Sugar Beets	For Pythium damping-off control: Apply Apron XL WS as a seed treatment at the rate of 0.27-0.53 oz./100 lbs. of seed.
Sunflower	For systemic downy mildew control: Apply Apron XL WS as a seed treatment at the rate of 1.06 oz./100 lbs. of seed.
Turfgrasses (All)	<p>For Pythium damping-off control on golf courses, home lawns, reclamation, and erosion control projects: Apply Apron XL WS as a seed treatment at the rate of 0.53-1.06 oz./100 lbs. of seed.</p> <p>Note: For long-term control of Pythium in areas when using Apron XL WS-treated seed, make an application of Subdue® MAXX™ 7-10 days after seeding.</p>

Apron XL™ WS

SEED TREATMENT - EXPORT USE

FOR TREATMENT OF THE FOLLOWING SEED FOR EXPORT ONLY TO COUNTRIES REQUIRING TREATMENT WITH Apron XL WS BEFORE IMPORTATION. User should verify actual registered rate in country of destination and/or use.

Brassica (Cole) Leafy Vegetables	For Pythium damping-off control: Apply Apron XL WS as a seed treatment at 0.27-0.53 oz./100 lbs. of seed.
Corn	For Pythium damping-off control: Apply Apron XL WS as a seed treatment at 0.27-0.53 oz./100 lbs. of seed. For systemic downy mildew control: Apply Apron XL WS as a seed treatment at 1.77 oz./100 lbs. of seed.
Cucurbits	For Pythium damping-off control: Apply Apron XL WS as a seed treatment at 0.27-0.53 oz./100 lbs. of seed.
Fructing Vegetables (e.g. tomatoes, peppers, eggplant)	For Pythium damping-off control: Apply Apron XL WS as a seed treatment at 0.27-0.53 oz./100 lbs. of seed.
Leafy Vegetables	For Pythium damping-off control: Apply Apron XL WS as a seed treatment at 0.27-0.53 oz./100 lbs. of seed.
Millet	For Pythium damping-off control: Apply Apron XL WS as a seed treatment at 0.27-0.53 oz./100 lbs. of seed. For systemic downy mildew control: Apply Apron XL WS as a seed treatment at 2.0 oz./100 lbs. of seed.
Onions	For Pythium damping-off control: Apply Apron XL WS as a seed treatment at 0.27-0.53 oz./100 lbs. of seed.
Peas	For Pythium damping-off and early season Phytophthora control: Apply Apron XL WS as a seed treatment at the rate of 0.53-1.06 oz./100 lbs. of seed. For downy mildew control, apply Apron XL WS as a seed treatment at 1.06 oz./100 lbs. of seed.
Root and Tuber Vegetables	For Pythium damping-off control: Apply Apron XL WS as a seed treatment at 0.27-0.53 oz./100 lbs. of seed. Note: Do not apply Apron XL WS to potatoes.
Sorghum	For Pythium damping-off control: Apply Apron XL WS as a seed treatment at 0.27-0.53 oz./100 lbs. of seed. For systemic downy mildew control: Apply Apron XL WS as a seed treatment at 1.77 oz./100 lbs. of seed.
Sunflower	For systemic downy mildew control: Apply Apron XL WS as a seed treatment at 3.1-3.72 oz./100 lbs. of seed.

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

Note: Federal law requires that bags containing treated seeds shall be labeled with the following information:

"This seed has been treated with Apron XL WS fungicide. Do not use for feed, food, or oil purposes. Store away from feeds and foodstuffs." Use with an EPA-approved dye that imparts an unnatural color to the seed.

STORAGE AND DISPOSAL

Storage

Store in a cool, dry place. Do not store this product under wet conditions. Handle outer packaging carefully to avoid breakage of inner soluble bag.

Pesticide Disposal

Do not contaminate water, food, or feed by storage, disposal, or cleaning of equipment. Open dumping is prohibited. Wastes resulting from the use of this product are toxic. Improper disposal of unused pesticide, spray mixture, or rinsate is a violation of federal law. Pesticide, spray mixture, or rinsate that cannot be used according to label instructions must be disposed of according to federal, state, or local procedures. For guidance in proper disposal methods, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office.

Container Disposal

Do not reuse outer container. Dispose of empty outer container in a sanitary landfill, or by incineration, or by open burning, if allowed by state and local authorities. If burned, keep out of smoke.

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. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.

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

Causes moderate eye irritation. Avoid contact with eyes or clothing. Harmful if swallowed or absorbed through skin. Avoid contact with skin.

Statement of Practical Treatment

If in eyes: Flush eyes with plenty of water. Get medical attention if irritation persists.

If swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

Note to Physician: If ingested, induce emesis or lavage stomach. Treat symptomatically.

Personal Protective Equipment**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

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.

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 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.

Environmental Hazards

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Apply only as specified on this label. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment wash water or rinsate.

Physical or Chemical Hazards

Do not use or store near heat or open flame.

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Seed Treatment Products

Greensboro, North Carolina 27419

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