

PM-21

Reg # 100-799

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Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 05-31-98



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number
246870

Application for Pesticide - Section I

1. Company/Product Number 100-799	2. EPA Product Manager Welch	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Apron XL LS	PM# 21	
5. Name and Address of Applicant (Include ZIP Code) Ciba Crop Protection Ciba-Geigy Corporation 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.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification to add two new package sizes (1 pt. and 30 gals.)

NOTIFICATION

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 Plastic Glass Paper Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container		
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Gregory T. Peters, Ph.D.	Title Senior Regulatory Manager	Telephone No. (Include Area Code) (910)632-2366
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 (Stamped)
2. Signature 	3. Title Senior Regulatory Manager	
4. Typed Name Gregory T. Peters, Ph.D.	5. Date November 5, 1996	

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Master Booklet Label

Apron XL™ LS

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)-[(2,6-dimethylphenyl)-methoxyacetyl-amino]-propionic acid methyl ester	.32.3%
Related Compounds	.1.0%
<hr/>	
Inert Ingredients:	66.7%
<hr/>	
Total:	100.0%

EPA Est. 67545-AZ-1

EPA Reg. No. 100-799

NOTIFICATION

KEEP OUT OF REACH OF CHILDREN.

WARNING/AVISO

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.)

See additional precautionary statements and directions for use inside booklet.

Added { 1 Pint
U.S. Standard Measure

One Gallon
U.S. Standard Measure

Added { 30 Gallons
U.S. Standard Measure

CGA 174L1A 106

[QUARK]APRON XL/APRON XL LS - ccg - 11/1/96

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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
- Protective eyewear

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

General Information

Apron XL LS 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 LS when the disease pressure is expected to be high.

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

Note: Apron XL LS is a systemic fungicide having a specific mode of action. Apron XL LS could be subject to development of insensitive strains of fungi. Development of insensitivity cannot be predicted. Therefore, Ciba-Geigy 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 LS insensitive strains of fungi which may occur.

Apron XL LS 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 required for the immediate operation. Agitate the solution continuously during mixing and during application. Mechanical agitation is recommended for proper mixing of Apron XL LS mixtures.

Apron XL LS Alone: Add 1/4-1/2 of the required amount of water to the mix tank. With the agitator running, add the Apron XL LS to the tank. Continue agitation while adding the remainder of the water. Begin application of the solution after the Apron XL LS has completely dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

Apron XL LS + Tank Mixtures: Add 1/4-1/2 of the required amount of water to the mix tank. Start the agitator before adding any tank mix partners. In general tank mix partners should be added in this order: wettable powders, dry flowable formulations, liquid flowable formulations, liquids such as Apron XL LS, and emulsifiable concentrates. Always allow each tank mix partner to become fully dispersed before adding the next product. Provide sufficient agitation while adding the remainder of the water and the Apron XL LS to the mix tank. Allow the Apron XL LS to completely disperse into the mix water. Maintain agitation until all of the mixture has been applied.

Note: When using Apron XL LS in tank mixtures, all products in water-soluble packaging should be added to the tank before any other tank mix partner, including Apron XL LS. Allow the water-soluble packaging to completely dissolve and the product(s) to completely disperse before adding any other tank mix partner to the tank.

If using Apron XL LS in a tank mixture with other seed treatment products, observe all directions for use, crops/sites, use rates, dilution ratios, precautions, and limitations which appear on the tank mix partner label. No label dosage 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 LS as a seed treatment at 0.32-0.64 fl. oz. per 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 LS as a seed treatment at the rate of 0.32-0.64 fl. oz. per 100 lbs. of seed.</p> <p>For Pythium <u>seed rot</u> and damping-off control in <u>field corn</u> when applied in combination with Maxim™ or captan products at labeled rates: Apply Apron XL LS as a seed treatment at 0.0425 fl. oz. per 100 lbs. of seed.</p> <p>For systemic downy mildew control of sweet corn: Apply Apron XL LS as a seed treatment at the rate of 1.28 fl. oz. per 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 LS as a seed treatment at 0.0425-0.085 fl. oz. per 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®</p>

	<p>Vitavax®-Thiram at labeled rates: Apply Apron XL LS as a seed treatment at 0.0425-0.085 fl. oz. per 100 lbs. of seed.</p> <p>Note: If using Apron XL LS treated rice seed, do not use Ridomil Gold™ for control of Pythium in water seeded rice.</p>
<p>Cotton</p>	<p>For Pythium seed rot and damping-off control: Apply Apron XL LS as a seed treatment to machine-delinted or acid-delinted cottonseed at the rate of 0.32-0.64 fl. oz. per 100 lbs. of seed.</p>
<p>Forage Grasses</p>	<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 LS as a seed treatment at the rate of 0.32-0.64 fl. oz. per 100 lbs. of seed.</p>
<p>Forage Legumes</p>	<p>Alfalfa, clover, lespedeza, beans (for forage), soybeans (for forage), <u>soybean hay</u>, 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 LS as a seed treatment at the rate of 0.64 fl. oz. per 100 lbs. of seed.</p> <p>For suppression of early season downy mildew in alfalfa and soybeans: Apply Apron XL LS as a seed treatment at the rate of 0.64 fl. oz. per 100 lbs. of seed.</p>
<p>Garden Beets</p>	<p>For Pythium damping-off control: Apply Apron XL LS as a seed treatment at the rate of 0.32-0.64 fl. oz. per 100 lbs. of seed.</p>
<p>Legume Vegetables and Okra</p>	<p>Black-eyed peas, cowpeas, edible soybeans, field beans, chick peas (garbanzo beans), field peas, garden peas, green beans, kidney beans, lima beans, navy beans, okra, peas, pinto beans, pole beans, snap beans, string beans, wax beans, lentils, and lupines.</p>

For Pythium damping-off control: Apply Apron XL LS as a seed treatment at 0.32-0.64 fl. oz. per 100 lbs. of seed.

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 LS as a seed treatment at 0.085-0.32 fl. oz. per 100 lbs. of seed in combination with other seed treatment products labeled for these crops.

For early season Phytophthora control: Apply Apron XL LS as a seed treatment at 0.64 fl. oz. per 100 lbs. of seed.

For Pythium damping-off and systemic downy mildew control of peas: Apply Apron XL LS as a seed treatment at the rate of 1.28 fl. oz. per 100 lbs. of seed.

Peanuts

- For Pythium seed rot and damping-off control: Apply Apron XL LS as a seed treatment at 0.32-0.64 fl. oz. per 100 lbs. of seed.

Sorghum

- For Pythium damping-off control on all sorghum cultivars: Use 0.32-0.64 fl. oz. of Apron XL LS per 100 lbs. of seed applied as a seed treatment.

For Pythium damping-off control when disease pressure is expected to be low: Apply Apron XL LS as a seed treatment at 0.085-0.32 fl. oz. per 100 lbs. of seed in combination with Maxim™ or captan products at labeled rates.

For systemic downy mildew control: Apply 0.64 fl. oz. of Apron XL LS 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 1.28 fl. oz. of Apron XL LS per 100 lbs. of seed as a seed treatment.

Note: Seed treated with the 1.28 fl. oz. rate should be planted and not carried over to the following year.

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	Only high quality sorghum seed (90% germ and above) should be treated with Apron XL LS.
Soybeans	<p>For Pythium damping-off and early season Phytophthora control: Apply Apron XL LS as a seed treatment at the rate of 0.32-0.64 fl. oz. per 100 lbs. of seed.</p> <p>For Pythium damping-off control when disease pressure is expected to be low: Apply Apron XL LS as a seed treatment at 0.085-0.32 fl. oz. per 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 LS as a seed treatment at 0.32-0.64 fl. oz. per 100 lbs. of seed.</p> <p>Note: Do not apply Apron XL LS to spinach which is destined to be grown in the greenhouse. Containers or bags containing Apron XL LS-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 LS as a seed treatment at the rate of 0.32-0.64 fl. oz. per 100 lbs. of seed.
Sunflower	For systemic downy mildew control: Apply Apron XL LS as a seed treatment at the rate of 1.28 fl. oz. per 100 lbs. of seed.
Turfgrasses (All)	For Pythium damping-off control on golf courses, home lawns, reclamation, and erosion control projects: Apply Apron XL LS as a seed treatment at the rate of 0.64-1.28 fl. oz. per 100 lbs. of seed.

Note: For long-term control of Pythium in areas when using Apron XL LS treated seed, make an application of Subdue® MAXX® 7-10 days after seeding.

Seed Treatment-Export Use

FOR TREATMENT OF THE FOLLOWING SEED FOR EXPORT ONLY TO COUNTRIES REQUIRING TREATMENT WITH APRON XL LS 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 LS as a seed treatment at 0.32-0.64 fl. oz. per 100 lbs. of seed.
Corn	For Pythium damping-off control: Apply Apron XL LS as a seed treatment at 0.32-0.64 fl. oz. per 100 lbs. of seed. For systemic downy mildew control: Apply Apron XL LS as a seed treatment at 2.2 fl. oz. per 100 lbs. of seed.
Cucurbits	For Pythium damping-off control: Apply Apron XL LS as a seed treatment at 0.32-0.64 fl. oz. per 100 lbs. of seed.
Fruiting Vegetables (e.g., tomatoes, peppers, eggplant)	For Pythium damping-off control: Apply Apron XL LS as a seed treatment at 0.32-0.64 fl. oz. per 100 lbs. of seed.
Leafy Vegetables	For Pythium damping-off control: Apply Apron XL LS as a seed treatment at 0.32-0.64 fl. oz. per 100 lbs. of seed.
Millet	For Pythium damping-off control: Apply Apron XL LS as a seed treatment at 0.32-0.64 fl. oz. per 100 lbs. of seed. For systemic downy mildew control: Apply Apron XL LS as a seed treatment at 2.4 fl. oz. per 100 lbs. of seed.
Onions	For Pythium damping-off control: Apply Apron XL LS as a seed treatment at 0.32-0.64 fl. oz. per 100 lbs. of seed.
Peas	For Pythium damping-off and early season Phytophthora control: Apply Apron XL LS as a seed treatment 0.64-1.28 fl. oz. per 100 lbs. of seed. For downy mildew control, apply Apron XL LS as a seed treatment at 1.28 fl. oz. per 100 lbs. of seed.

Root and Tuber Vegetables	<p>For Pythium damping-off control: Apply Apron XL LS as a seed treatment at 0.32-0.64 fl. oz. per 100 lbs. of seed.</p> <p>Note: Do not apply Apron XL LS to potatoes.</p>
Sorghum	<p>For Pythium damping-off control: Apply Apron XL LS as a seed treatment at 0.32-0.64 fl. oz. per 100 lbs. of seed. For systemic downy mildew control: Apply Apron XL LS as a seed treatment at 2.2 fl. oz. per 100 lbs. of seed.</p>
Sunflower	<p>For systemic downy mildew control: Apply Apron XL LS as a seed treatment at 3.75-4.45 fl. oz. per 100 lbs. of seed.</p>

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 LS 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

Pesticide Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Added

Container Disposal (1 Pint and 1 Gallon)

Do not reuse empty container. Triple rinse (or equivalent), puncture and dispose of in a sanitary landfill, or by incineration, or by open burning, if allowed by state and local authorities. If burned, keep out of smoke from burning containers.

Added

Container Refilling and Disposal (30 Gallons)

This is a refillable container. If the container is to be refilled, do not rinse with any material or introduce any pesticide other than Apron XL LS.

Added

Reseal and return the container to an authorized Ciba-Geigy refilling facility. If the container is not to be refilled, triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or by open burning, if allowed by state and local authorities. If burned, keep out of smoke.

Precautionary Statements

Hazards to Humans and Domestic Animals

WARNING/AVISO

Causes substantial but temporary eye irritation. Do not get in eyes or on clothing. Harmful if swallowed or absorbed through skin. Avoid contact with skin.

Statement of Practical Treatment

If in eyes: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

If swallowed: Call a physician or Poison Control Center. Drink promptly a large quantity of milk, egg white, gelatin solution or, if these are not available, large quantities of water and induce vomiting by touching back of throat with finger. Avoid alcohol. 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.

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
- Protective eyewear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.

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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 waters or rinsate.

Apron XL™, Dividend®, Maxim™, MAXX®, Ridomil Gold™, and Subdue® trademarks of Ciba-Geigy Corporation

RTU® trademark of Gustafson, Inc.

Vitavax® trademark of Uniroyal Chemical Company, Inc.

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Ciba Crop Protection
Seed Treatment Products
Ciba-Geigy Corporation
Greensboro, North Carolina 27419

CGA 174L1A 106

[QUARK]APRON XL/APRON XL LS - ccg - 11/1/96

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Booklet Base Label

Apron XL™ LS

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)-[(2,6-dimethylphenyl)-methoxyacetyl-amino]-propionic acid methyl ester	.32.3%
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Related Compounds	.1.0%
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Inert Ingredients:	66.7%
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Total:	100.0%
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EPA Reg. No. 100-799

EPA Est. 67545-AZ-1

See directions for use in attached booklet.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

One Gallon
U.S. Standard Measure

KEEP OUT OF REACH OF CHILDREN.

WARNING/AVISO

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.)

Precautionary Statements

Hazards to Humans and Domestic Animals

Causes substantial but temporary eye irritation. Do not get in eyes or on clothing. Harmful if swallowed or absorbed through skin. Avoid contact with skin.

Statement of Practical Treatment

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If swallowed: Call a physician or Poison Control Center. Drink promptly a large quantity of milk, egg white, gelatin solution or, if these are not available, large quantities of water and induce vomiting by touching back of throat with finger. Avoid alcohol. 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.

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

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. Do not contaminate water when disposing of equipment wash waters or rinsate. Apply only as specified in this label. Dispose of excess treated seed by burial away from bodies of water.

Container Disposal (1 Pint and 1 Gallon)

Added

Do not reuse empty container. Triple rinse (or equivalent), puncture and dispose of in a sanitary landfill, or by incineration, or by open burning, if allowed by state and local authorities. If burned, keep out of smoke from burning containers.

Container Refilling and Disposal (30 Gallons)

Added

This is a refillable container. If the container is to be refilled, do not rinse with any material or introduce any pesticide other than Apron XL LS. Reseal and return the container to an authorized Ciba-Geigy refilling facility. If the container is not to be refilled, triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or by open burning, if allowed by state and local authorities. If burned, keep out of smoke.

Apron XL™ trademark of Ciba-Geigy Corporation

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