

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

MAY 17 2001

Ms. Anne Stout
Makhteshim AGAN of North America
551 Fifth Avenue, Suite 1100
New York, NY 10176

Subject: Magnate 500 EC
EPA Reg. No. 66222-20
Your March 14, 2001 resubmission of amended label

Dear Ms. Stout,

The application above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is partially acceptable. The label which includes citrus plus wheat and barley seed treatments is acceptable provided you change the REI from 24 hours back to the original 48 hours as required in the imazalil Reregistration Eligibility Decision (RED). We realize this change was based on our August 29, 2000 letter and we apologize for any inconvenience this may have caused. In spite of slightly different acute toxicity profiles of various imazalil technical products, we believe the REIs should be similar and based on the worst case, in this case 48 hours which corresponds to an eye irritation category one technical product.

The label with only citrus uses needs further revision as follows. Add the heading "PERSONAL PROTECTIVE EQUIPMENT (PPE)" after the precautionary statements which end with the sentence "Avoid contact with skin". Include under this heading the statements "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 handlers must wear long-sleeved shirt ... separately from other laundry".

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

A stamped accepted with comment copy of the multi-use product is enclosed for your records. You must submit a copy of the final printed label prior to distribution of product bearing this label into channels of trade.

Please resubmit five copies of the citrus only label revised according to the comments above. If there are questions concerning this matter, contact Dr. Tom Ellwanger at (703) 308-9352.

Sincerely,



**Cynthia Giles-Parker
Product Manager (22)
Fungicide Branch
Registration Division (7505C)**

3 4 9

MAGNATE® 500 EC

Emulsifiable concentrate for seed treatment of wheat and barley and for post-harvest treatment of citrus containing 4.2 lbs. imazafil per gallon.

ACTIVE INGREDIENT:	% BY WT.
Imazafil: 1-[2-(2,4-dichlorophenyl)-2-(2-propenyloxy)ethyl]-1H-imidazole	44.5%
OTHER INGREDIENTS:	55.5%
	TOTAL 100.0%

KEEP OUT OF REACH OF CHILDREN DANGER - PELIGRO

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 IN EYES:**
 - Hold eye open and rinse slowly and gently with water for 15-20 minutes.
 - Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
 - 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 by mouth-to-mouth, if possible.
 - Call a poison control center or doctor for further treatment advice.
- IF SWALLOWED:**
 - Call a poison control center or doctor immediately for treatment advice.
 - Have person sip a glass of water if able to swallow.
 - Do not induce vomiting unless told to by the 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.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER-PELIGRO

Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Wash thoroughly with soap and water after handling. Harmful if swallowed, absorbed through skin, or inhaled. Avoid breathing spray mist. Avoid contact with skin.

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
- Chemical-resistant gloves such as butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride ≥ 14 mils, barrier laminate, or Viton ≥ 14 mils
- Shoes plus socks
- Protective eyewear

NET CONTENTS: ___ GALLON(S)

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Makhteshim-Agan of North America, Inc.
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Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. 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 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 into clean clothing.

ENVIRONMENTAL HAZARDS

For Commercial Seed Treatment and Citrus Treatment: 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 sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the Environmental Protection Agency.

For Farm Seed Treatment: 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 by disposal of equipment washwaters.

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 24 hours.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, ⁴⁸ 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
- Chemical-resistant gloves such as butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride ≥ 14 mils, barrier laminate, or Viton ≥ 14 mils
- Shoes plus socks
- Protective eyewear

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants in farms, forests, nurseries, or greenhouses.

Applicators and other handlers who handle this pesticide for any use NOT covered by the Worker Protection Standard must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride ≥ 14 mils, barrier laminate, or Viton ≥ 14 mils
- Shoes plus socks
- Protective eyewear

CITRUS

Intended for post-harvest control of *Penicillium digitatum* (green mold), *Penicillium italicum* (blue mold), *Daporthe citri* (phomopsis stem end rot), *Diplodia natalensis* (diplodia rot), and *Alternaria citri* on citrus fruits.

Used as directed, MAGNATE 500 EC has curative and preventive action as well as soil anti-sporulation properties.

In dips, wash tanks and drenchers: Apply MAGNATE 500 EC at rates of 12.5 or 18.7 fl. oz. per 100 gallons water (500-750 ppm active ingredient). The treatment solutions should be inspected periodically to insure the proper concentration of active ingredient. Length of dip time should not exceed two minutes.

In non-recovery spray: Apply MAGNATE 500 EC at 24.9 fl. oz. per 100 gallons of water (1000 ppm a.i.). Apply to freshly-cleaned citrus immediately prior to waxing.

For water spray brush application: After washing, apply MAGNATE 500 EC at 24.9 fl. oz. per 100 gallons water. Apply prior to storage wax application.

Foamer: Apply MAGNATE 500 EC at 49.8 fl. oz. per 100 gallons of diluted "ready to use" detergent material (2000 ppm a.i.) Apply to citrus from a mechanical foamer. Use only as much as needed to clean fruit.

In citrus wax: Apply 49.8 fl. oz. of MAGNATE 500 EC to 100 gallons of citrus wax. Use without further dilution in conventional waxing equipment.

Remark 1: Combination of above-listed treatments are possible but never more than two treatments should be carried out on the same citrus lot.

Remark 2: In waxes and foams, sporulation control can be obtained at the rate of 99.7 fl. oz. MAGNATE 500 EC per 100 gallons citrus wax or diluted "ready to use" detergent material (4000 ppm a.i.). When this dilution is used, combinations of treatments are not allowed.

REMARK 3: AFTER DILUTION OF MAGNATE 500 EC IN FOAM OR WAX, STIR THOROUGHLY FOR AT LEAST 15 MINUTES WITH AN ELECTRIC MIXING DEVICE AT 1500 RPM.

WHEAT AND BARLEY

For control of common root rot (*Helminthosporium sativum*) and barley leaf stripe, use 0.17 - 0.34 fl. oz. of MAGNATE 500 EC per 100 pounds of seed.

This product is to be applied using commercial slurry or on-farm seed treatment equipment. It is recommended that MAGNATE 500 EC be applied in combination with VITAVAX® 200 or other flowable suspension seed treatments to provide additional disease control at the respective labeled rates. Pretest for compatibility with other flowable suspension seed treatments. Do not tank mix MAGNATE 500 EC with products which contain solvents.

NOTE TO USER: Combination treatments of MAGNATE 500 EC with products containing lindane may result in delayed emergence and stunting of wheat and barley; however, plants will usually outgrow this effect. Do not carry over seed treated with lindane to the next crop season. Minimize time between treating and planting for such treatments.

USE PRECAUTION: All seed treated with this product must be adequately dyed. Any dye added to treated seed must be cleared for use under 40 CFR 180.1001.

SEED LABELING: Seeds treated with Imazalil: Do not use for food, feed, or oil purpose. Do not graze or feed livestock on treated areas for six weeks after planting. Add appropriate language for any additional treatments applied to seed.

Imazalil is intended for use on all crops having tolerances for imazalil residues.

STORAGE AND DISPOSAL

STORAGE: Prohibitions. Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: 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.

WARRANTY STATEMENT

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on such label, when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instruction, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.

**ACCEPTED
with COMMENTS
In EPA Letter Dated:
MAY 17 2001**

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.**

66222-20

MAGNATE® 500 EC

Emulsifiable concentrate for post-harvest treatment of citrus
containing 4.2 lbs. imazalil per gallon.

ACTIVE INGREDIENT:	% BY WT.
Imazalil: 1-[2-(2,4-dichlorophenyl)-2-(2-propenyloxy)ethyl]-1H-imidazole	44.5%
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- 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 by mouth-to-mouth, if possible.
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IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
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IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
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NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

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- Shoes plus socks
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Keep unprotected persons out of the treated area until sprays have dried.

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Imazalil is intended for use on all crops having tolerances for imazalil residues.

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WARRANTY STATEMENT

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on such label, when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instruction, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.

**ACCEPTED
with COMMENTS
In EPA Letter Dated:**

MAY 17 2001

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.**

66 222-20