



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:  
7946-20

Date of Issuance:  
12/30/96

NOTICE OF PESTICIDE:  
 Registration  
 Reregistration

Term of Issuance:  
Conditional

(under FIFRA, as amended)

Name of Pesticide Product:  
ABASOL (TM)

Name and Address of Registrant (include ZIP Code):

J. J. Mauget Company  
2810 North Figueroa Street  
Los Angeles, CA 90065

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes:

a. Revise the EPA Registration Number to read, "EPA Reg. No. 7946-20".

b. As requested in our October 25, 1996 letter, add the Spanish language signal word "Aviso" on the front panel and include the statement "Si usted no entiende la etiqueta, busque a alguien para que se la explique, a usted detalle. (If you do not understand the label, find someone to explain it to you in detail)."

c. Submit three copies of the revised final printed for the record.

Signature of Approving Official:

*Connie B. Welch*  
Connie B. Welch

Date:

December 30, 1996

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If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Enclosure

Mauget<sup>a</sup>  
**ABASOL™**

INTERNAL SYSTEMIC TREATMENT BY MICRO-INJECTION FOR  
CONTROL OF CERTAIN INSECTS AND DISEASES ON ORNAMENTAL TREES.

FOR USE BY PROFESSIONAL PESTICIDE APPLICATORS.

**ACTIVE INGREDIENTS:**

Debacarb  
 [2-(2-ethoxyethoxy) ethyl-2-benzimidazole carbamate] ..... 1.70%  
 Carbendazim  
 Methyl 2-benzimidazolecarbamate ..... 0.30%  
 Abamectin B<sub>1</sub>  
 [A mixture of avermectins containing > 80% avermectin B<sub>1a</sub>  
 (5-O-demethyl avermectin A<sub>1a</sub>) and < 20% avermectin B<sub>1b</sub>  
 (5-O-demethyl-25-de(1-methylpropyl)-25-(1-methylethyl) avermectin A<sub>1a</sub>)] ..... 0.46%

**INERT INGREDIENTS:** ..... 97.54%  
 100.00%

KEEP OUT OF REACH OF CHILDREN

**WARNING**

STATEMENT OF PRACTICAL TREATMENT

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth.

IF SWALLOWED: Immediately give one or two glasses of water and induce vomiting by gently 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 water.

IF IN EYES: Flush with plenty of water.

Get medical attention in all cases.

**Recommendations for Medical Treatment for Abamectin B<sub>1</sub> Acute Toxicity:**

Early signs of intoxication include mydriasis (dilated pupils), ataxia (unsteadiness), and muscle tremors. Toxicity following accidental ingestion of the concentrate can be minimized by inducing vomiting within one half hour of exposure.

If toxicity from exposure has progressed to cause severe vomiting, the extent of resultant fluid and electrolyte imbalance should be gauged. Appropriate supportive parenteral fluid replacement therapy should be given, along with other required supportive measures (such as maintenance of blood pressure levels) as indicated by clinical signs, symptoms and measurements.

In severe cases, observations should continue for at least several days until clinical condition is stable and normal. Since abamectin B<sub>1</sub> is believed to enhance GABA activity in animals, it is probably wise to avoid drugs that influence GABA activity (barbiturates, benzodiazepines, valproic acid) in patients with potentially toxic abamectin B<sub>1</sub> exposure.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

MFG. BY:

TOWN, STATE:

EPA ESTABLISHMENT NO.:

EPA REGISTRATION NO.:

NET CONTENTS:

ACCEPTED  
 with COMMENTS  
 In EPA Letter Dated  
 DEC 30 1996  
 Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act,  
 as amended, for the pesticide  
 registered under EPA Reg. No.  
 7946-20

J.J. MAUGET CO.  
 LOS ANGELES, CALIF. 90065  
 7946-CA-1  
 7946-(TO BE ASSIGNED)  
 300 units 4 ml. - or - 0.13 oz. by wt. ea.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### WARNING

Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Prolonged or frequently repeated exposure may cause allergic skin reactions in some individuals. Harmful if absorbed through skin.

#### PERSONAL PROTECTIVE EQUIPMENT:

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:

- Coveralls over short-sleeved shirt and short pants
- Chemical resistant gloves, such as polyethylene or butyl rubber or neoprene rubber or viton
- Chemical-resistant footwear plus socks
- Protective eyewear

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

This pesticide is toxic to fish and wildlife. Do not apply directly to water. Do not contaminate water when disposing of equipment washwater or rinsate. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops. Use for tree microinjection only as a post-bloom application.

#### PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

#### DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

#### AGRICULTURAL USE REQUIREMENTS

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.

Use this product only in accordance with its labeling and 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). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

### GENERAL DIRECTIONS

Measure the tree at chest height in inches. If measuring the circumference of the tree, divide this number by six (6) to determine the number of capsules needed. If measuring the diameter of the tree, divide this number by two (2) to determine the number of capsules needed. Apply the injector units around the tree at the root flare. Consult the enclosed pamphlet "Directions for use and application of Mauget Injector Units" for additional instructions. Applicators shall remove capsules promptly after treatment. Since phytotoxicity has been noted in some trees, users should inspect holes and discontinue use if phytotoxicity is observed.

**Important:** Preventative application is more effective than therapeutic treatment in trees showing disease symptoms. Trees in advanced stages of disease development may not respond to treatment.

Uninfected trees will generally absorb the full amount of Abasol within 1 hour. Infected trees will absorb the material more slowly due to the vascular plugging caused by the disease. If Abasol is not absorbed within 24 hours, the tree is considered high risk and has a poor chance of survival.

### RESTRICTIONS

Do not inject trees that are less than two inches in diameter.

Do not inject trees within two weeks of any other spray or soil chemical treatment.

Do not treat trees that are suffering from stress such as lack of moisture or herbicide damage.

This product is not to be used on trees which will produce food within the year following treatment.

### STORAGE AND DISPOSAL

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

**STORAGE:** Store in a cool, dry place out of the reach of children. Do not store below 45° F. Store capsules in an upright position in closed carton. Keep out of direct sunlight when possible.

**DISPOSAL:** Dispose of empty capsules in a sanitary landfill or by incineration if approved by State and local authorities.

### NOTICE OF WARRANTY

J.J. MAUGET CO. MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PURPOSE OR OTHERWISE, EXPRESS OR IMPLIED CONCERNING THIS PRODUCT OR ITS USES WHICH EXTEND BEYOND THE USE OF THE PRODUCT UNDER NORMAL CONDITIONS IN ACCORD WITH THE STATEMENTS MADE ON THIS LABEL.

MAUGET<sup>®</sup>ABASOL<sup>™</sup>

**DISEASE TREATMENT:** Make application when disease first appears. Repeat treatment if disease symptoms progress. Do not repeat within 3 months of first application. Some diseases may require repeated yearly application. Preventative Dutch Elm Disease treatments are made 4 weeks after Bark Beetle emerges. Therapeutic treatments are made as soon as possible after flagging branch is observed. ABASOL insecticide/fungicide is for use on ornamental trees for the control of the following insects: Spider Mites (except conifers), Leaf miners, Elm Leaf Beetle, Sycamore Lace Bug, and Fall Webworm; and the following diseases:

<u>USE</u>	<u>DISEASE</u>
	Ceratocystis canker
Alder	Fusarium Wilt
	Physalospora (Bleeding Canker)
Arborvitae	Kabatina Branch Canker
Ash	Anthracoze (Fall application only)
Bay Tree	Fusarium Wilt
	Nectria Canker
Birch	Melanconium Dieback
Buckthorn	Nectria (Tubercularie) Canker
Camphor	Verticillium Wilt
Carob	Verticillium Wilt
Catalpa	Verticillium Wilt
	Coryneum Blight
Cedar	Diplodia Tip Blight
	Phomopsis (Kabatina)
Cypress	Cedar Branch Canker
Douglas Fir	Phomopsis Canker
	Cephalosporium Ulmi (Elm Wilt)
	Ceratocystis Ulmi (Dutch Elm Disease)
Elm	Cytospora Canker
	Fusarium Wilt
	Vermicularia Dieback
	Verticillium Wilt
Fir	Cytospora Canker
Gum (Sweet)	Ceratocystis Canker
Madrone	Thielaviopsis Decline
	Fusarium Wilt
Magnolia	Ceratocystis Canker
Maple	Verticillium Wilt
Mimosa	Fusarium Perniciosum (Mimosa Wilt)
Mulberry (Fruitless)	Ceratocystis Canker
	Oak Wilt (Ceratocystis fagacearum)
	Anthracoze (Spring application only)
	Nectria Canker
Oak	Oak Decline (Botryodiplodia)
	Cephalosporium Dothiorella Fusarium
	Pestalotia Phialophora
	Verticicladiella Verticillium)
Olive	Fusarium Wilt
	Verticillium Wilt
Palm	Penicillium Vermoeseni (Pink Bud Rot)
	Atropellis Canker
	Ceratocystis Dieback
Pine	Fusarium moniliforme F. Subglutinans
	(Pine Pitch Canker)
	Leptographium Canker
Pistachio (Non-crop)	Verticillium Wilt
Poplar	Cytospora Canker
Redwood (Coast and Sierra)	Botryosphaeria Branch Canker
	Coryneum Canker
Spruce	Cytospora Canker
Sycamore	Anthracoze (Spring application only)
	Ceratocystis Canker
Walnut (Black Non-crop)	Melanconium Dieback
Willow	Cytospora Canker