

MAR 15 1989

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Dr. Louis S. Grosso
Director, Regulatory Affairs
Merck and Company, Inc.
Merck Sharp and Dohme Research Laboratories
Hillsborough Road
Three Bridges, NJ 08887

Dear Dr. Grosso:

Subject: Expanded Label Claim to Include Woody Ornamentals
AVID® 0.15 EC
EPA Registration No. 618-96
Your Amended Application Dated February 23, 1989

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable since you have agreed to submit the results of analysis of the three remaining soil core replicates as well as half-life calculations and decline curves for all the soil dissipation data for abamectin.

Submit five (5) copies of your final printed labeling before you release the product for shipment.

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

Sincerely yours,

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (H7504C)

Enclosure

50763;I;Heyward;LLR-15;KENCO;3/14/89;4/24/89;rw;VO;EK;CT

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

FRONT PANEL

Recommended for Agricultural/Commercial Use

AVID® 0.15 EC

MITICIDE/INSECTICIDE

For Control of Leafminers and Spider Mites on Ornamental Plants

ACTIVE INGREDIENT

Avermectin B₁ [A mixture of avermectins containing ≥ 80% avermectin B_{1a} (5-0-demethyl avermectin A_{1a}) and ≤ 20% avermectin B_{1b} (5-0-demethyl-25-de(1-methylpropyl)-25-(1-methylethyl) avermectin A_{1a})].....2.0%*

INERT INGREDIENTS.....98.0%

*1 gallon contains 0.15 pound avermectin B₁

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicada ampliamente.

See other panels for Additional Precautionary Statements and Statement of Practical Treatment.

EPA EST. NO. 39578-TX-1

EPA REG. NO. 618-96

MSD AGVET [logo]
Division of Merck & Co., Inc.
Rahway, New Jersey 07065, U.S.A.

AVID REG TM MERCK & CO., INC.

Made in U.S.A.

U.S. NO. 4,310,519

1 QUART

Product 06791

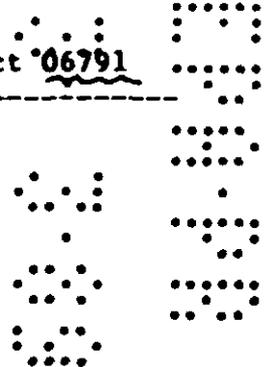
Key: (Bold copy)

(Italics)

ACCEPTED
with COMMENTS
EPA Letter Date:

MAE 1 5 1989

Under the Federal Insecticide, Fungicide, and Rodenticide Act
is amended for the pesticide
registered under EPA Reg. No.
018-96



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

May be harmful if inhaled. Do not breathe spray mist. Harmful if swallowed or absorbed through the skin. May cause eye irritation. Avoid contact with eyes, skin or clothing. Wear a full body pesticide applicator suit, rubber gloves, boots and mask or pesticide respirator for mixing, loading and spray application. Remove any contaminated clothing and wash before reuse. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

STATEMENT OF PRACTICAL TREATMENT

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

Ingestion: 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.

Skin: Wash with plenty of soap and water.

Eyes: Flush with plenty of water.

Get medical attention in all cases.

Recommendations for Medical Treatment for Avermectin B₁ 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 avermectin B₁ is believed to enhance GABA activity in animals, it is probably wise to avoid drugs that enhance GABA activity (barbiturates, benzodiazepines, valproic acid) in patients with potentially toxic avermectin B₁ exposure.

For emergency information, call Merck & Co., Inc. (215) 661-7300 during business hours (8:30 am to 4:30 pm EST) or (215) 661-5000 after hours or weekends.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Do not apply directly to water or wetlands (swamps, marshes, and potholes). 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 or weeds. Do not apply this product or allow drift to blooming crops or weeds if bees are visiting the treatment area.

PHYSICAL/CHEMICAL HAZARDS

Do not use or store near heat or open flame.

CONDITIONS OF SALE AND WARRANTY

Notice of 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 MSD AGVET or the Seller. Treatment may not be effective if tolerant strains of leafminers or spider mites develop. Use of alternate treatments should be considered if treatment with AVID proves ineffective. All such risks shall be assumed by the buyer.

MSD AGVET 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. Buyer assumes all risks of use or handling which are at variance in any way with the directions hereon. MSD AGVET makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall MSD AGVET or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. MSD AGVET and the Seller offer this product and the buyer and user accept it, subject to the foregoing Notice of Warranty which may be varied only by agreement in writing signed by a duly authorized representative of MSD AGVET.

Lot

8623607

DIRECTIONS FOR USE

It is a violation of Federal (U.S.A.) law to use this product in a manner inconsistent with its labeling.

AVID® 0.15 EC is an emulsifiable concentrate containing 0.15 lb avermectin B₁ per gallon which when mixed with water according to the Directions for Use will control leafminers and spider mites on ornamentals.

Mix with sufficient water and apply as a foliar spray to obtain uniform coverage. For spider mites, apply when mites first appear and repeat as necessary to maintain control. For leafminers, apply as needed and repeat applications at 7-day intervals or as necessary to maintain control.

Do not apply this product through any type of irrigation system.
Not for Aerial Application.

<u>Pests</u>	<u>fl oz/100 gal</u>	<u>Comments</u>
<u>Spider Mites</u> ¹	<u>4</u>	Do not apply more than 16 fl oz or less than 8 fl oz per acre.
<u>Liriomyza Leafminers</u> ²	<u>8</u>	Use in sufficient water to obtain uniform plant coverage.

1/ Apply, for example, in 200 to 400 gallons of water per acre. In volumes of water below 200 gallons, use a minimum of 8 fl oz per acre. If more than 400 gallons of water per acre are required for good plant coverage, apply a maximum rate of 16 fl oz per acre. For example, if 650 gallons of water are required, use 2.5 fl oz per 100 gallons.

2/ Apply, for example, in 100 to 200 gallons of water per acre. In water volumes below 100 gallons, use a minimum of 8 fl oz per acre. If more than 200 gallons of water per acre are required for good plant coverage, apply the maximum rate of 16 fl oz per acre. For example, if 400 gallons of water are required, use 4 fl oz per 100 gallons.

AVID has been evaluated for phytotoxicity on a wide range of ornamental plants. However, since all combinations or sequences of pesticide sprays including surfactants and adjuvants have not been tested, it is recommended that a small area be sprayed first to make certain that no phytotoxicity occurs. Phytotoxicity has been observed following the use of AVID on certain species of ferns (e.g. *Adiantum*) spp). It is, therefore, recommended that AVID not be used on ferns. Do not use on conifers.

STORAGE AND DISPOSAL

Storage: Store in a tightly closed container in a cool, dry place.

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

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: Triple rinse (or equivalent) and dispose of in an incinerator or landfill approved for pesticide containers.

