

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

331/949641
18/32

DECEMBER 15, 1995

Louis S. Grosso, Ph. D.
MERCK & CO., INC.
P. O. Box 450
Hillsborough Road
Three Bridges, NJ 08887-0450

Dear Dr. Grosso:

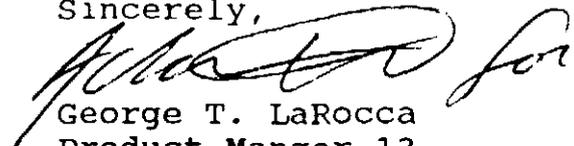
Subject: Application for Amended Registration to
Add Pears to Product Labeling
AGRI-MEK 0.15 EC
EPA Registration Number 618-98
Your Letter Dated July 12, 1995 and Fax
Letters Dated December 15, 1995

This product is conditionally approved in accordance with FIFRA Section 3(c)(7)(B), since you have agreed to the conditions in our letter of **December 15, 1995**.

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 bearing the amended labeling constitutes acceptance of these conditions.

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

Sincerely,



George T. LaRocca
Product Manger 13
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure:

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

- FRONT SIDE -

RESTRICTED USE PESTICIDE
Toxic to Fish, Mammals and Aquatic Organisms

For Retail Sale to and use only by Certified Applicators or
Persons under their direct supervision and only for
those uses covered by the Certified Applicator's certification

AGRI-MEK® 0.15 EC
MITICIDE / INSECTICIDE

For Use on Pear

ACTIVE INGREDIENT

Abamectin: [A mixture of avermectins containing \geq 80% avermectin B_{1a} (5-0-demethyl avermectin A_{1a}) and \leq 20% avermectin B_{1b} (5-0-demethyl-25-de (1-methylpropyl) -25- (1- methylethyl) avermectin A_{1a})].....1.9%*

INERT INGREDIENTS98.1%

* 1 gallon contains 0.15 pound abamectin

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.)

ACCEPTED
WITH COMMENTS
in MVA Letter Dated
MAY 15 1995
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
Registration No. 618-98
618-98

See Back Label for Additional Precautionary Statements and Statement of Practical Treatment

EPA EST. NO. 39578-TX-1
EPA REG. NO. 618-98

Made in U.S. A.

U.S. Pat. 4,310,519

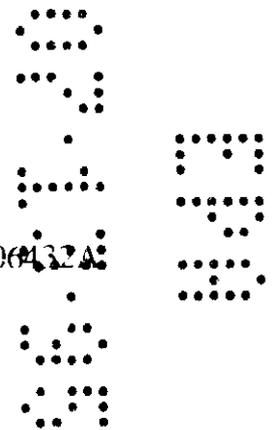
MERCK AgVet Division [logo]
Merck & Co., Inc.
Rahway, New Jersey 07065-0912, U.S.A.

AGRI-MEK is a registered trademark of Merck & Co., Inc.
Whitehouse Station, New Jersey, U.S.A.

1 GALLON

Product 061324

FOR LOT NUMBER SEE BOTTOM OF BOTTLE



-BACK SIDE -

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 inhaled or absorbed through the skin. Do not breath spray mist. Avoid contact with the skin. May be fatal if swallowed.

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 B on an EPA chemical-resistance category selection chart. Applicators and other handlers must wear coveralls worn over short sleeved shirt and short pants, chemical-resistant gloves, (such as barrier laminate or butyl rubber), chemical-resistant footwear plus socks, and protective eyewear. Wear chemical-resistant headgear for overhead exposure. Wear chemical-resistant apron when cleaning equipment, mixing, or loading. 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 .

User Safety Recommendations

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothes immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

STATEMENT OF PRACTICAL TREATMENT

If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

If swallowed: Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by gently touching the back of the throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.

If on skin: Remove contaminated clothing and wash affected areas with soap and water. Get medical attention if irritation persists.

If in eyes: Flush eyes with plenty of water. Call a physician immediately.

Recommendations for Medical Treatment for Abamectin 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 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 abamectin exposure.

For 24 hour emergency information, call the Merck National Service Center at 1-800-672-6372.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. 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 apply when weather conditions favor drift from target areas. Do not contaminate water when disposing of equipment, wash water, 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.

DIRECTIONS FOR USE

It is a violation of Federal (U.S.A.) 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 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 12 hours.

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 over short-sleeved shirt and short pants, chemical-resistant gloves (such as barrier laminate or butyl rubber), chemical-resistant footwear plus socks, protective eyewear, and chemical-resistant headgear for overhead exposure.

Do not apply this product through any type of irrigation system.
Do not apply by aircraft.
Thorough coverage is essential for good mite and insect control on crops.

AGRI-MEK® 0.15 EC is an emulsifiable concentrate which will control certain pests on the crops listed on this label when applied according to the Directions for Use.

AGRI-MEK® 0.15 EC has been tested for phytotoxicity and has a wide margin of safety on a variety of crops. AGRI-MEK® 0.15 EC has also been shown to be compatible with many commonly used pesticides, crop oils, and nutritional sprays. However, since it is not possible to test a large number of possible mixtures, the user should pre-test to assure the physical compatibility and lack of phytotoxic effect of any proposed mixtures with AGRI-MEK® 0.15 EC.

Resistance Management: Because of the inherent risks of resistance development to any product, it is strongly advised that AGRI-MEK® be used in a sound resistance management program which includes rotation with other products with different modes of action.

PEARS (Including Oriental Pear Trees): For Control of Twospotted Spider Mite, McDaniel Spider Mite, European Red Mite, Pear Rust Mite, Yellow Mite, and Pear Psylla.

AGRI-MEK® 0.15 EC may be applied using conventional dilute or concentrate ground sprayers calibrated to deliver sufficient water for thorough coverage. Gallonage of spray will vary with size and number of trees per acre and density of foliage. In any case, thorough coverage is essential for good spider mite and insect control. Always apply in combination with paraffinic spray oil as directed. Do not graze treated orchards. To reduce the risk to aquatic environments, maintain a 25-yard buffer zone from all water bodies containing aquatic life (streams, ponds, lakes, rivers, springs, irrigation canals containing water year-round, swamps, bogs and marshes).

Use AGRI-MEK® 0.15 EC with a minimum of 0.25% paraffinic spray oil in the dilute spray mixture and not less than 1.0 gallon of paraffinic spray oil per acre in the final finished spray.

Pests	For Dilute ^{a/} Sprays fl oz/100 gal	For Concentrate ^{b/} Sprays fl oz/Acre
Twospotted spider mite McDaniel mite European red mite Pear rust mite Yellow mite	2.5 - 5.0	10 - 20
Pear Psylla	2.5 - 5.0	10 - 20
Paraffinic Spray Oil	0.25 % or 1 gal/acre	Minimum of 1 gal/acre

^{a/} The rate of AGRI-MEK® 0.15 EC per 100 gallons is based on a volume of 400 gallons per acre dilute spray.

^{b/} To determine the amount of product per acre for concentrate sprays, first determine the amount that would be required in a full cover dilute spray. Use the same amount of product per acre in concentrate sprays as would be required for the dilute sprays to the same orchard/grove. This may result in use of less than 10 fl. oz./acre on small trees.

USE RESTRICTIONS - PEARS

- Do not exceed 20 fl. oz AGRI-MEK® 0.15 EC per acre per application or 40 fl. oz per acre in a growing season.
- Do not make more than two (2) applications per growing season.
- Do not apply in less than 40 gallons of water per acre.
- If a second application is necessary, do not retreat within 21 days.
- Do not apply within 28 days of harvest.

AGRI-MEK® 0.15 EC in combination with paraffinic spray oil may cause fruit injury to certain varieties of pears, particularly d'Anjou and other sensitive varieties, when used alone or when other products are applied sequentially. The Directions for Use and Precautions on paraffinic spray oil labels, as well as precautions in official spray guides, should be followed carefully when using AGRI-MEK® 0.15 EC in combination with paraffinic spray oil. Certain conditions, including but not limited to, application when temperatures are expected to exceed 85°F within 24 hours of application may result in fruit injury after the use of AGRI-MEK® 0.15 EC in combination with paraffinic spray oil. Do not make applications of AGRI-MEK® 0.15 EC in combination with paraffinic spray oil that would favor runoff. Refer to official spray guides and paraffinic spray oil labels for additional information. All such risks of crop injury are subject to the Conditions of Sale and Warranty statements.

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: Pesticide spray mixture or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal (U.S.A.) law. If these wastes cannot be disposed of by the 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) and dispose in an incinerator or landfill approved for pesticide containers.

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 MERCK or the Seller. Treatment may not be effective if tolerant strains of mites or insects develop. Use of alternate treatments should be considered if treatment with AGRI-MEK proves ineffective. All such risks shall be assumed by the buyer.

MERCK 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. Buyer's exclusive remedy shall be refund or replacement of any product found by MERCK to be defective. **MERCK makes no other express or implied warranty. In no case shall MERCK or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product, regardless of the legal theory asserted, including negligence and/or strict liability.** MERCK 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 MERCK.

