

- 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 Celery, Citrus, Head Lettuce, Strawberry, and Tomato

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.)

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.

ACCEPTED
25 AUG 1995
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under Reg. No. 618-98

1 GALLON

Product 06432A

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.

CELERY: For Control of *Liriomyza* Leafminers and Spider Mites (Twospotted and Carmine) on Celery

Mix with water as indicated below and apply by ground equipment as a foliar spray to assure good upper and lower leaf coverage. Use 8 fl. oz/acre for low to moderate infestations and 16 fl. oz/acre for severe infestations. For spider mites, apply when mites first appear and repeat as necessary to maintain control. For leafminers, apply when adult flies are first observed and repeat applications as necessary to maintain control, but not at intervals of less than 7 days.

<u>Pests</u>	<u>fl oz/acre</u>
Leafminers	
Spider Mites	8.0 - 16.0

USE RESTRICTIONS - CELERY

- Do not apply at less than 7-day intervals
- Do not exceed 48 fl oz per acre after transplanting.
- Do not apply within 7 days of harvest.
- Do not apply in less than 20 gallons of water per acre
- For resistance management purposes, use no more than two applications on celery being grown for transplanting. Do not make more than two sequential applications after transplanting.

NOTE: AGRI-MEK® 0.15 EC MAY BE USED WITHOUT ANY WETTING AGENT. WHEN NECESSARY TO IMPROVE THE WETTING OF FOLIAGE AND TO SMOOTH OUT SPRAY DEPOSITS, A NON-IONIC SURFACTANT IS RECOMMENDED.

CITRUS: For Control of Citrus Rust Mite, Broad Mite, Twospotted Spider Mite, Citrus Bud Mite, Citrus Leafminer, and Citrus Thrips on Citrus.

Apply using conventional dilute or concentrate ground sprayers calibrated to deliver sufficient water for thorough coverage (or outside coverage for citrus leafminer and citrus thrips). 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 control. Applications should be made with a minimum of 0.20% oil in the spray mixture or not less than 1.0 gallon of oil per acre (except where specified differently below).

Mites: Apply when mite pressure appears during spring, summer and/or fall.

Citrus Bud Mite: For best results time the spray at "budswell".

Citrus Leafminer: Apply to protect new growth during spring, summer or fall.

Citrus Thrips: Spray applications targeted for citrus thrips will only control the current generation and must be correctly timed. Apply when economic thresholds have been reached (after egg hatch has begun -- preferably early to mid-hatch).

Pests	For Dilute ^{a/} Sprays fl oz/100 gal	For Concentrate ^{b/} Sprays fl oz/acre
Citrus rust mite	0.5 - 2	5 - 20
Broad mite Twospotted spider mite	1 - 2	10 - 20
Citrus Bud Mite	1 - 2	10 - 20 ^{c/}
Citrus Leafminer	----	10 - 20 ^{d/}
Citrus Thrips	----	10 - 20 ^{e/}

Paraffinic Spray Oil Minimum 0.2% Minimum of 1 gal/Acre

- ^{a/} The rate of AGRI-MEK[®] 0.15 EC per 100 gallons is based on a standard volume of 1,000 gallons per acre dilute spray.
- ^{b/} For concentrate sprays, adjust the dosage to apply an amount per acre equal to that used in full cover dilute spray.
- ^{c/} For best results, use a minimum of 500 gallons per acre of spray mix with a minimum of 0.5% oil
- ^{d/} For best results use 100 - 150 gallons per acre of spray mix applied to achieve outside coverage
- ^{e/} For best results use 100 - 250 gallons per acre of spray mix applied to achieve outside coverage

USE RESTRICTIONS - CITRUS

- Do not apply within 7 days of harvest
- Do not apply within 30 days of last treatment
- Do not apply more than three (3) applications or 40 fl oz per acre in any growing season
- Always apply in combination with spray oil as directed
- For resistance management purposes, do not use in citrus nurseries

HEAD LETTUCE: For Control of *Liriomyza* leafminers on Head Lettuce.

Mix with water as indicated below and apply by ground equipment as a foliar spray to assure good upper and lower leaf coverage. Use 8 fl. oz/acre for low to moderate infestations and 16 fl. oz/acre for severe infestations. Apply when adult flies are first observed and repeat applications as necessary to maintain control.

Pests	fl oz/acre
Leafminers	8.0 - 16.0

USE RESTRICTIONS - HEAD LETTUCE

- Do not apply at less than 7-day intervals
- Do not exceed 48 fl oz per acre per growing season.
- Do not apply within 7 days of harvest.
- Do not apply in less than 20 gallons of water per acre
- Do not make more than two sequential applications

NOTE: AGRI-MEK® 0.15 EC MAY BE USED WITHOUT ANY WETTING AGENT. WHEN NECESSARY TO IMPROVE THE WETTING OF FOLIAGE AND TO SMOOTH OUT SPRAY DEPOSITS, A NON-IONIC SURFACTANT IS RECOMMENDED.

STRAWBERRIES: For Control of Twospotted Spider Mites on Strawberries

For control of twospotted spider mites on strawberries, use 16 fl oz AGRI-MEK® 0.15 per acre. Make two (2) applications seven to ten (7-10) days apart when mites first appear. Repeat this sequence of application if necessary to maintain control.

<u>Pests</u>	<u>fl oz/acre</u>
Twospotted spider mites	16.0

Adjust spray volume and nozzle placement to assure maximum coverage of tops and undersides of leaves.

USE RESTRICTIONS - STRAWBERRIES

- Do not exceed 16 fl oz per acre per application or 64 fl oz per acre in a growing season.
- Do not apply within 3 days of harvest.
- For resistance management purposes, do not use in strawberry nurseries.
- Do not apply in less than 100 gallons of water per acre.
- Do not repeat treatment within 21 days of second application.

TOMATO: For Control of Colorado Potato Beetle, *Liriomyza* Leafminers, Spider Mites, Russet Mites and Tomato Pinworm on Tomatoes.

Mix with water as indicated below and apply thoroughly as a foliar spray to assure good upper and lower leaf coverage. For Colorado potato beetle, apply when newly emerged larvae are present. For russet and spider mites, apply when mite damage first appears. For leafminers, apply when adult flies are first observed. For tomato pinworm, apply when larvae are first observed. In all cases, repeat applications as necessary to maintain control.

<u>Pests</u>	<u>fl oz/acre</u>
Colorado Potato Beetle	8.0 - 16.0
Leafminers	
Spider Mites	
Tomato Russet Mite	
Tomato Pinworm	16.0

USE RESTRICTIONS - TOMATO

- Do not exceed 48 fl oz per acre per growing season.
- Do not apply at less than 7-day intervals
- Do not apply within 7 days of harvest.
- Do not apply in less than 20 gallons of water per acre
- Do not make more than two sequential applications

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.