

65656-3

08/24/2001

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Reg. Number:
65656-3

Date of
8/24/2001

Term of Issuance:
Conditional

Name of Pesticide Product:
Gilmectin 2.0% EC

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Gilmore Marketing & Development, Inc.
152 Collins Street
Memphis, TN 38112

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/reregistration of your product when the Agency requires all registrants of similar products to submit such data.
2. Make the following label changes before you release the product for shipment:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 65656-3".
3. Submit two copies of the revised final printed label for the record before you release the product for shipment.

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 copy of the label stamped "accepted with comments" is enclosed for your records.

Signature of Approving Official:

Thomas C. Harris, Biologist
Insecticide-Rodenticide Branch
Registration Division (7504C)

Date:

AUG 24 2001

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.

GILMECTIN 2.0% EC

(Abamectin 2.0%EC)

Active Ingredient:

Abamectin (CAS No. 65195-56-4

and No. 65195-55-3).....2.0%

Other ingredients:.....98.0%

Total: 100.0%

1 gallon contains 0.15 lb abamectin

GALLON U.S. Standard Measure

MITICIDE/INSECTICIDE

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 additional precautionary statements and directions for use inside booklet.

EPA REG. NO: 65656-G

EPA EST. NO: 39578-TX-1

ACCEPTED
with COMMENTS
In EPA Letter Dated:
AUG 24 2001

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

65656-3

3/18

GILMECTIN 2.0% EC

DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

Important: Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product. If terms are not acceptable, return the unopened product container at once.

CONDITIONS OF SALE AND 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 the 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 Gilmore Marketing & Development, Inc. (hereafter Gilmore) or the Seller. The Buyer shall assume all such risks.

Gilmore 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. Gilmore makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Gilmore or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. Gilmore and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Gilmore.

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 requirement 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 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
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

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

Do not apply Gilmection 2.0% EC by aerial application in New York State.

Gilmection 2.0% 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.

Gilmection 2.0% EC has been tested for phytotoxicity and has a wide margin of safety on a variety of crops. Gilmection 2.0% 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 Gilmection 2.0% EC.

Spray Drift Precautions for Gilmection 2.0% EC use on Celery, Celeriac, Cucurbits, Grapes, Head Lettuce, Peppers, Potatoes, Strawberries, and Tomatoes

Do not apply by ground within 25 feet, or by air within 150 feet of lakes, reservoirs, rivers, permanent streams, marshes, potholes, or natural ponds; estuaries and commercial fish farm ponds.

All aerial and ground application equipment must be properly calibrated and maintained using appropriate carriers. For aerial applications, the spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used and must not exceed 75% of wing span or rotor diameter.

Use the largest droplet size consistent with good pest control. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible, and by avoiding excessive spray boom pressure. Spray should be released at the lowest height consistent with pest control and flight safety. Applications more than 10 feet above the crop canopy should be avoided.

Make aerial or ground applications when the wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid applications when wind gusts approach 15 mph. Risk of exposure to aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area. Do not cultivate within 25 feet of the aquatic area so as to allow growth of a vegetative filter strip.

Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift to aquatic areas. Avoid spraying during conditions of low humidity and/or high temperature.

Do not make aerial or ground applications during temperature inversions. Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

Resistance Management: Because of the inherent risks of resistance development to any product, it is strongly advised that Gilmection 2.0% EC be used in a sound resistance management program which includes rotation with other products with different modes of action.

Almonds and Walnuts: For control of two-spotted spider mite, strawberry spider mite, Pacific spider mite, and European red mite

Gilmectin 2.0% EC may be applied using conventional dilute or concentrate 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. Apply in combination with horticultural spray oil (not a dormant oil) as directed. Applications without horticultural spray oil* may result in reduced efficacy and/or residual control. 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, rivers, lakes, springs, irrigation canals containing water year-round, swamps, bogs and marshes).

Use Gilmectin 2.0% EC in combination with horticultural spray oil (not dormant oil) approved for use on almonds and walnuts. Apply Gilmectin 2.0% EC when spider mites first appear. Residual spider mite control is greater from spray deposits on newer leaves compared to older leaves. A second application may be made if necessary to maintain control.

Almonds and Walnuts

PESTS	FOR DILUTE SPRAYS ¹ fl. oz./100 GALS.	FOR CONCENTRATE SPRAYS ² fl. oz./A
Two-spotted spider mite Pacific spider mite Strawberry spider mite European red mite	2.5 – 5.0	10-20
Horticultural Spray Oil*	0. 25% or 1 gal./A	Minimum of 1 gal./A

*Not a dormant oil

¹The rate of Gilmectin 2.0% EC per 100 gallons is based on a volume of 400 gallons/A dilute spray.

²To 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./A on small trees.

Use Restrictions – Almonds and Walnuts

- Do not exceed 20 fl. oz. of Gilmectin per acre per application or 40 fl. oz./A in a growing season
- Do not make more than 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 21 days of harvest
- Do not apply by aircraft

Apples: For control of white apple leafhopper, tentiform leafminers, European red mite, two-spotted spider mite, and McDaniel spider mite

Gilmectin 2.0% 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. For best results, apply in combination with horticultural spray oil (not a dormant oil) as directed.

Applications without horticultural spray oil* may result in reduced efficacy and/or residual control. Do not graze treated orchards.

Observe the following precautions when spraying in the vicinity of aquatic areas such as lakes, reservoirs, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds.

Spray last three rows windward of aquatic areas using nozzles on one side only, with spray directed away from aquatic areas.

Avoid spray going over tops of trees by adjusting or turning off top nozzles. Shut off nozzles on the side away from the grove/orchard when spraying the outside row. Shut off nozzles when turning at ends of row and passing tree gaps in rows.

Do not apply Gilmeclin 2.0% EC when weather conditions favors drift to aquatic areas. Do not apply within 110 ft. upwind of aquatic areas or when wind speed is above 8 mph. Do not apply during a temperature inversion.

For best results, use Gilmeclin 2.0% EC in combination with horticultural spray oil* approved for use on apples. Apply Gilmeclin when spider mite or insect thresholds are reached. A second application may be made if necessary to maintain control.

White Apple Leafhopper (Not for use west of the Rocky Mountains):

Application of Gilmeclin 2.0% EC is limited only to first generation white apple leafhopper. Apply soon after petalfall in combination with horticultural spray oil*.

Spider Mites: For best results, apply before a threshold of 5 spider mites per leaf is reached. Residual spider mite control with Gilmeclin 2.0% EC in combination with horticultural spray oil* is greater from spray deposits on newer leaves compared to older. Applications of Gilmeclin 2.0% EC for spider mite control should be limited to a period extending from petalfall through six weeks following petalfall.

Tentiform Leafminer: For best results, apply against egg (to control new hatch) and early sap feeder stages of first and second-generation tentiform leafminers when locally established thresholds have been reached. Do not apply during bloom.

Apples

PESTS	FOR DILUTE SPRAYS ¹ fl. oz./100 GALS.	FOR CONCENTRATE SPRAYS ² fl. oz./A
Two-spotted spider mite McDaniel spider mite Tentiform leafminer European red mite White apple leafhopper	2.5 – 5.0	10-20
Horticultural Spray Oil*	0.25% or 1 gal./A	Minimum of 1 gal./A

(For best results, use oil with Gilmeclin 2.0% EC) *Not a dormant oil

¹The rate of Gilmeclin 2.0% EC per 100 gallons is based on a volume of 400 gallons/A dilute spray.

²To 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./A on small trees.

Use Restrictions – Apples

- Do not exceed 20 fl. oz. of Gilmeclin per acre per application or 40 fl. oz./A in a growing season
- Do not make more than 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
- Do not apply by aircraft
- Gilmeclin in combination with horticultural spray oil* may cause fruit injury to certain varieties of apples, e.g., russetting on light-skinned varieties such as Golden Delicious, when used alone or when other products are applied sequentially. The Directions for Use and Precautions on horticultural spray oil labels, as well as precautions in official spray guides should be followed carefully when using Gilmeclin 2.0% EC in combination with horticultural spray oil.

*Not a dormant oil.

Celeriac (*Apium graveollens*): For control of two-spotted spider mites

Gilmeclin 2.0% EC may be applied using conventional dilute or concentrate sprayers calibrated to deliver sufficient water for thorough coverage of the foliage. For best results, use in combination with a non-ionic surfactant. Apply when mites first appear and repeat as necessary to maintain control.

Celeriac

PESTS	fl.oz./A
Two-spotted spider mites	16.0

Use Restrictions – Celeriac

- Do not apply at less than 7-day intervals
- Do not exceed 48 fl. oz./A after transplanting
- Do not apply within 7 days of harvest
- Do not apply in less than 20 gals. of water per acre
- For resistance management purposes, use no more than 2 sequential applications

Celery: For control of Liriomyza leafminers, and spider mites (two-spotted and carmine)

Mix with water as indicated below and apply thoroughly by ground or air as a foliar spray to assure good upper and lower leaf coverage. Use 8 fl. oz./A for low to moderate infestations and 16 fl. oz./A 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.

Celery

PESTS	fl. oz./A
Liriomyza 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./A 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 2 applications on celery being grown for transplanting
- Do not make more than 2 sequential applications after transplanting

Note: Gilmetin 2.0% EC may be used without any wetting agent. When necessary to improve the wetting of foliage and to smooth out spray deposits, a nonionic surfactant is recommended.

Citrus: For control of citrus rust mite, broad mite, two-spotted spider mite, citrus bud mite, citrus leafminer, and citrus thrips

Apply using conventional dilute or concentrate ground sprayers calibrated to deliver sufficient water for thorough coverage (or outside coverage for citrus leafminers 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 mite and insect control.

Observe the following precautions when spraying in the vicinity of aquatic areas such as lakes, reservoirs, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds.

Spray last three rows windward of aquatic areas using nozzles on one side only, with spray directed away from aquatic areas.

Avoid spray going over tops of trees by adjusting or turning off top nozzles. Shut off nozzles on the side away from the grove/orchard when spraying the outside row. Shut off nozzles when turning at ends of row and passing tree gaps in rows.

Do not apply Gilmetin 2.0% EC when weather conditions favor drift to aquatic areas.

Do not apply within 110 feet upwind of aquatic areas or when wind speed is above 8 mph.

Do not apply during a temperature inversion.

Applications should be made with a minimum of 0.20% horticultural spray oil* in the spray mixture or not less than 1.0 gallon of oil per acre (except where specified differently below).

Mites: Apply when mites first appear 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 and 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).

*Not a dormant oil

Citrus

PESTS	FOR DILUTE SPRAYS ¹ fl. oz./100 GALLONS	FOR CONCENTRATE SPRAYS ² fl. oz./A
Citrus rust mite	0.5 – 2.0	5-20
Broad mite	1.0 – 2.0	10-20
Two-spotted spider mite	1.0 – 2.0	10-20
Citrus bud mite	1.0 – 2.0	10-20 ³
Citrus leafminer	-	10-20 ⁴
Citrus thrips	-	10-20 ⁵
Horticultural Spray Oil	Minimum 0.2%	Minimum of 1 gal./A

¹The rate of Gilmelectin 2.0% EC per 100 gallons is based on a volume of 1,000 gallons/A dilute spray.

²For concentrate sprays, adjust the dosage to apply an amount per acre equal to that used in full cover dilute spray.

³For best results, use a minimum of 500 gallons/A of spray mix with a minimum of 0.5% horticultural spray oil*.

⁴For best results, use 100-150 gallons/A of spray mix applied to achieve outside coverage.

⁵For best results, use 100-250 gallons/A of spray mix applied to achieve outside coverage.

*Not a dormant oil

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 3 applications or 40 fl. oz./A in any growing season
- Always apply in combination with horticultural spray oil* as directed
- For resistance management purposes, do not use in citrus nurseries
- Do not apply by aircraft

*Not a dormant oil

Cucurbits (Chayote, Chinese Wax gourd, Citron Melon, Cucumbers, Gherkin, Edible Gourds, Momordica spp., Melons, Pumpkin, Summer Squash, Winter Squash, Watermelon): For control of spider mites and leafminers

Mix with water as indicated below and apply thoroughly by ground or air as a foliar spray to ensure good upper and lower leaf coverage. Use 8 fl. oz./A for low to moderate infestations and 16 fl. oz./A for severe infestations.

Apply when adult leafminer flies or spider mites are first observed and repeat applications as necessary to maintain control within constraints of a sound resistance management program.

Cucurbits

PESTS	fl. oz./A
Spider mites	8.0-16.0
Leafminers	

Use Restrictions – Cucurbits

- Do not exceed 48 fl. oz./A in a growing season
- Do not apply within 7 days of harvest

- Do not apply at less than 7-day intervals
- Do not apply in less than 20 gallons of water per acre
- Do not make more than 2 sequential applications

Grapes: For control of western grape leaf skeletonizer, two-spotted spider mite, Pacific spider mite, and Willamette spider mite

Gilmectin 2.0% EC may be applied using conventional ground sprayers calibrated to deliver sufficient water for thorough coverage. Thorough coverage is essential for good spider mite and insect control. Always apply in combination with a nonionic surfactant to improve the wetting of the foliage and smooth out spray deposits. Do not spray alternate rows. Gilmectin 2.0% EC must be applied to both sides of each row for maximum coverage. Use 8 fl. oz./A for low to moderate infestations and 16 fl. oz./A for severe infestations. Do not graze treated vineyards.

Apply Gilmectin 2.0% EC plus a nonionic surfactant when western grape leaf skeletonizer larvae are first observed. For optimal control, apply shortly after egg hatch. For spider mite control, apply when mites first appear, but before motiles exceed 5 per leaf.

Grapes

Pests	fl. oz./A
Two-spotted spider mite Pacific spider mite Willamette spider mite Western grape leaf skeletonizer	8.0 – 16.0 Plus a nonionic surfactant*

*Note: Gilmectin 2.0% EC must be applied in combination with a nonionic surfactant to improve wetting of foliage and to smooth out spray deposits.

Use Restrictions – Grapes

- Do not exceed 16 fl. oz. Of Gilmectin 2.0% EC per acre per application or 32 fl. oz. Per acre in a growing season.
- Do not make more than two (2) applications per growing season.
- If a second application is necessary, do not apply within 21 days of first application.
- Do not apply in less than 50 gallons of water per acre.
- Do not apply within 28 days of harvest.

Although Gilmectin 2.0% EC in combination with a nonionic surfactant has been tested for safety to grapes, it is impossible to test on all grape varieties under the variety of biotic and abiotic conditions that may cause phytotoxicity. Therefore, **Directions for Use** and **Precautions** on nonionic labels and in official spray guides should be followed carefully when using Gilmectin 2.0% EC in combination with a nonionic surfactant.

Head Lettuce: For control of Liriomyza leafminers

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

Head Lettuce

PESTS	fl. oz./A
<i>Liriomyza</i> leafminers	8.0-16.0

Use Restrictions – Head Lettuce

- Do not apply at less than 7-day intervals
- Do not exceed 48 fl. oz./A 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 2 sequential applications

Note: Gilmection 2.0% EC may be used without any wetting agent. When necessary to improve the wetting of foliage and to smooth our spray deposits, a nonionic surfactant is recommended.

Hops: For control of two-spotted spider mites (Not registered for use in California)

Apply Gilmection 2.0% EC when two-spotted spider mites reach treatment thresholds. Mix with water as indicated below and apply by ground equipment as a foliar spray to assure good upper and lower leaf coverage. Gallonage of spray may vary with the size of plants and density of foliage. In any case, thorough coverage is essential for good control of two-spotted mites. When using concentrate sprays, the amount of water is reduced; but the amount of Gilmection 2.0% EC per acre should remain the same as for dilute sprays. If a second application is necessary for control, do not retreat within 21 days of the first application and only after an alternative miticide with a different mode of action has been used.

Hops

PESTS	fl. oz./A
Two-spotted spider mites	16.0

Use Restrictions – Hops

- Do not use less than 16 fl. oz./A per application or exceed 32 fl. oz./A per growing season
- Do not apply within 28 days of harvest
- Do not apply in less than 40 gallons of water per acre
- If a second application is necessary to maintain control, do not retreat within 21 days of the first application
- Do not apply by aircraft
- Do not permit livestock to graze treated hop yards

Note: Gilmection 2.0% EC may be used without any wetting agent. When necessary to improve the wetting of foliage and to smooth out spray deposits, a nonionic surfactant is recommended.

Spray Drift Precautions – Hops: All ground application equipment must be properly maintained and calibrated using appropriate carriers.

Observe the following precautions when spraying in the vicinity of aquatic areas such as lakes, reservoirs, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds:

Do not apply by ground equipment within 25 feet of the above-mentioned aquatic areas. Avoid applications when wind direction is toward these areas.

Do not make ground applications during temperature inversions or if heavy rainfall is imminent. Inversions are characterized by stable air and increasing temperature with height above the ground. Mist or fog may indicate the presence of an inversion in humid

areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

Use the largest droplet size consistent with good pest control. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible, and by avoiding excessive spray boom pressure.

Make ground applications when the wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity or wind gusts approach 15 mph. Inclusion of a compatible drift reducing agent is encouraged.

Low humidity and high temperatures increase the evaporative rate of droplets and therefore increase spray drift potential. When making applications under these conditions, set up equipment to produce larger droplets to compensate for evaporation.

Pears (Including oriental pear trees): For control of two-spotted spider mite, McDaniel spider mite, European red mite, pear rust mite, yellow mite, and pear psylla

Gilmectin 2.0% 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 horticultural spray oil (not a dormant oil) as directed. Do not graze treated orchards.

Observe the following precautions when spraying in the vicinity of aquatic areas such as lakes, reservoirs, permanent streams, marshes or natural ponds, estuaries and commercial fish farm ponds:

Spray last three rows windward of aquatic areas using nozzles on one side only, with spray directed away from aquatic areas. Avoid spray going over tops of trees by adjusting or turning off top nozzles. Shut off nozzles on the side away from the grove/orchard when spraying the outside row. Shut off nozzles when turning at ends of row and passing tree gaps in rows.

Do not apply Gilmectin 2.0% EC when weather conditions favor drift to aquatic areas. Do not apply within 110 ft. upwind of aquatic areas or when wind speed is above 8 mph. Do not apply during a temperature inversion.

Use Gilmectin 2.0% EC with a minimum of 0.25% horticultural spray oil* in the dilute spray mixture and not less than 1.0 gal. of horticultural spray oil* per acre in the final finished spray.

Pears

Pests	For Dilute Sprays¹ fl. oz./100 gals.	For Concentrate Sprays² fl. oz./A
Two-spotted spider mite McDaniel spider mite European red mite Pear rust mite Yellow mite	2.5-5.0	10-20
Pear psylla	2.5-5.0	10-20
Horticultural Spray Oil*	0.25%	Minimum of 1 gal./A

*Not a dormant oil

¹The rate of Gilmectin 2.0% EC per 100 gals. is based on a volume of 400 gals./A dilute

spray.

²To 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./A on small trees.

Use Restrictions – Pears

- Do not exceed 20 fl. oz. of Gilmectin 2.0% per acre per application or 40 fl. oz./A in a growing season.
- Do not make more than 2 applications per growing season.
- Do not apply in less than 40 gals. of water per acre.
- If a second application is necessary, do not retreat within 21 days of the first application.
- Do not apply within 28 days of harvest.
- Do not apply by aircraft.

Peppers (Includes bell pepper, chili pepper, cooking pepper, pimento, sweet pepper): For control of Liriomyza leafminers, Thrips palmi, spider mites, and broad mites

Mix with water as indicated below and apply thoroughly by ground or air as a foliar spray to assure good upper and lower leaf coverage. For broad mites and spider mites, apply when mites first appear. For leafminers, apply when adult flies are first observed. For Thrips palmi, apply when thrips are first observed. Use 8 fl. oz./A for low to moderate infestations and 16 fl. oz./A for severe infestations. In all cases, repeat applications as necessary to maintain control.

Peppers

PESTS	fl. oz./A
Liriomyza leafminers	8.0 – 16.0
Spider mites	
Broad mites	
Thrips palmi	

Use Restrictions –Peppers

- Do not exceed 48 fl. oz./A in a 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 2 sequential applications
- For resistance management purposes, do not use on peppers being grown for transplanting

Note: Gilmectin 2.0% EC may be used without any wetting agent. When necessary to improve the wetting of foliage and to smooth out spray deposits, a nonionic surfactant is recommended.

Potatoes: For control of Colorado potato beetle, *Liriomyza* leafminers and spider mites

Mix with water as indicated below and apply thoroughly by ground or air as a foliar spray to ensure thorough coverage on upper and lower leaf surfaces. Use 8 fl. oz./A for low to moderate infestations and 16 fl. oz./A for severe infestations. The addition of a nonionic surfactant or

organosilicone-based surfactant, at the manufacturer's recommended rate is suggested for optimum spider mite and insect control. Insect and spider mite control may be reduced if Gilmeclin 2.0% EC is used in combination with a sticker or binder type product such as Bravo Weather Stik.

For Colorado potato beetle, do not make more than 2 applications per crop. Make the first application after approximately 50% of the egg masses have hatched and larvae are present. If 2 applications are made, they should be restricted to a single Colorado potato beetle generation per crop and should not be made at less than 7-day intervals.

For *Liriomyza* leafminers, make the first application when adult flies are first observed. Repeat applications as necessary to maintain control, but not at intervals less than 7 days.

For spider mites, make the first application when mites first appear. Repeat application as necessary to maintain control, but not at intervals less than 7 days.

Potatoes

Pests	fl. oz./A
Colorado potato beetles, Spider mites, Liriomyza leafminers	8.0-16.0

Use Restrictions - Potatoes

- Do not exceed 32 fl. oz. of Gilmeclin 2.0% EC per acre per crop for spider mite or Colorado potato beetle control.
- Do not exceed 48 fl. oz. of Gilmeclin 2.0% EC per acre per crop for leafminer control.
- Do not apply within 14 days of harvest.
- Do not apply in less than 20 gals. of water per acre.
- Do not graze or feed treated foliage to livestock.
- Do not make more than 2 sequential applications

Strawberries: For control of two-spotted spider mites

Use 16 fl. oz. of Gilmeclin 2.0% EC per acre. Make 2 applications 7-10 days apart when mites first appear. Repeat this sequence of application if necessary to maintain control.

Strawberries

Pests	fl. oz./A
Two-spotted 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./A per application or 64 fl. oz./A 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 gals. of water per acre.
- Do not repeat treatment within 21 days of second application.
- Do not apply by aircraft

Note: Gilmeclin 2.0% EC may be used without any wetting agent. When necessary to improve the wetting of foliage and to smooth out spray deposits, a nonionic surfactant is recommended.

Tomatoes: For control of Colorado potato beetle, *Liriomyza* leafminers, spider mites, russet mites, and tomato pinworm

Mix with water as indicated below and apply thoroughly by ground or air 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. Use 8 fl. oz./A for low to moderate infestations and 16 fl. oz./A for severe infestations.

Tomatoes

Pests	fl. oz./A
Colorado potato beetle, <i>Liriomyza</i> leafminers, Spider mites, Tomato russet mite	8.0-16.0
Tomato pinworm	16.0

Use Restrictions – Tomatoes

- Do not exceed 48 fl. oz./A 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 gals. of water per acre.
- Do not make more than 2 sequential applications.
- For resistance management purposes, do not use on tomatoes being grown for transplanting

Note: Gilmectin 2.0% EC may be used without any wetting agent. When necessary to improve the wetting of foliage and to smooth out spray deposits, a nonionic surfactant is recommended.

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. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use according to label instructions, contact you 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 of in an incinerator or landfill approved for pesticide containers.

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 breathe spray mist. Avoid contact with 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 EPA chemical-resistance category selection chart.

Applicators and other handlers must wear:

- Coveralls worn over short-sleeved shirt and short pants
- Chemical-resistant gloves
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure.
- 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 clothing 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 1 or 2 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: Hold Eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

Recommendations for Medical Treatment for Gilmectin 2.0% EC

Acute Toxicity: Early signs of intoxication include mydriasis (dilated pupils), ataxia (unsteadiness), and muscle tremors. Toxicity follows accidental ingestion of the concentrate and 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 Gilmectin 2.0% EC 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 Gilmectin 2.0% EC exposure.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. **In the event of a major spill, fire, or other emergency, call 1-800-424-9300, day or night.**

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 it to drift to blooming crops or weeds if bees are visiting the treatment area.

Use of this product may pose a risk to threatened and endangered species of fish, amphibians, crustaceans (including fresh water shrimp), and insects. All use of this product in the state of California should comply with the recommendations of the California Endangered Species Project. Before using this product in California, consult with your county agriculture commissioner to determine use limitations that apply in your area.

Physical or Chemical Hazards

Do not use or store near heat or open flame.

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