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

EPA Reg. Number:  
67760-1

Date of Issuance:  
DEC 5 1997

NOTICE OF PESTICIDE:  
 Registration  
 Reregistration

Term of Issuance:  
Conditional

Name of Pesticide Product:  
Fyfanon 5 EC

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Cheminova, Inc.  
Oak Hill Park  
1700 Route 23, Suite 210  
Wayne, NJ 07470

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 before you release the product for shipment:

- a. Add the designation, "EPA Reg. No. 67760-1".
- b. Correct the preharvest interval for eggplant from 1 day to three days.
- c. Add a preharvest interval of 7 days for head lettuce.
- d. Correct the preharvest interval of "7 days if tops are fed" for endive to read: "7 days".
- e. Clarify the claim for use of the product "around gardens" by specifying the type of garden; i.e. around ornamental gardens.

Signature of Approving Official:

*MICAM*

Date:

DEC 5 1997

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f. Relocate the following aquatic use restriction from its present location in the nonaquatic site portion of the "Environmental Hazards" section to the directions for use on the aquatic crop, rice.

"Broadcast use only over intermittently flooded areas. Application may not be made around bodies of water where fish or shellfish are grown and/or harvested commercially."

g. Delete the sentence, "The U.S. Food and Drug Administration has set official tolerances for certain pesticide residues."

3. Submit two copies of the revised final printed label 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 stamped copy of the label is enclosed for your records.

Sincerely,

Marilyn A. Mautz  
Biologist  
Insecticide-Rodenticide Branch  
Registration Division (7504C)

# FYFANON 5 EC

ORGANOPHOSPHATE INSECTICIDE

Fyfanon 5EC is a water emulsifiable spray concentrate insecticide and miticide.

**ACTIVE INGREDIENT:**

malathion: O,O-dimethyl phosphorodithioate of diethyl mercaptosuccinate.....

56.00%

**INERT INGREDIENTS:**.....

44.00%

**TOTAL**.....

100.00%

(Contains 5 pounds of malathion per gallon)

(Contains petroleum distillates)

### 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 this label, find someone to explain it to you in detail.)

#### FIRST AID

Organophosphate

IF SWALLOWED: Drink promptly a large quantity of milk, egg whites, or gelatin solution, or, if these are not available, large quantities of water. Avoid alcohol. Do not induce vomiting as it may cause aspiration pneumonia.

IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated.

IF ON SKIN: Remove contaminated clothing and wash affected areas with soap and water.

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

NOTE TO PHYSICIAN: This product may cause cholinesterase inhibition. Atropine is antidotal. 2-PAM may be effective as an adjunct to atropine.

See Additional Precautionary Statements Inside

This product is an organophosphorus ester that inhibits cholinesterase.

EPA Reg. No. 67760 - R

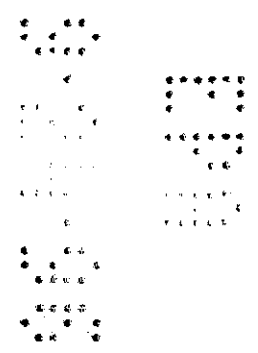
EPA Est. No. 39578-TX-01

## CHEMINOVA INC.

1700 Rt. 23, Suite 210  
Wayne, NJ 07470  
Telephone: (201) 305-6600

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:  
DEC 5 1997

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
67760-1



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PRECAUTIONARY STATEMENTS  
Hazards To Humans And Domestic Animals

WARNING

Harmful if swallowed. Avoid contact with skin. Avoid breathing of spray mist. Causes substantial but temporary eye injury. Do not get in eyes or on skin or clothing. Avoid contamination of feed and foodstuff. Keep out of reach of children. Keep container closed and away from heat and open flame.

Do not combine emulsifiable liquids with wettable powders in the same spray tank unless previous use of the materials being combined has proven them to be physically compatible.

GREENHOUSE USE:

Use only with adequate ventilation. After using this product indoors, ventilate thoroughly before occupying enclosed spaces.

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 F on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- + Long-sleeved shirt and long pants
- + Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or viton
- + Protective Eyewear
- + Shoes plus socks
- + Chemical-resistant headgear for overhead exposure

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 and 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

OUTDOOR USE ON NONAQUATIC SITES:

This pesticide is toxic to fish, aquatic invertebrates, and aquatic life stages to amphibians. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in areas near the application site. Do not contaminate water when disposing of equipment washwaters. Broadcast use only over intermittently flooded areas. Application may not be made around bodies of water where fish or shellfish are grown and/or harvested commercially. This product is highly toxic to bees exposed to direct treatment 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.

ON AQUATIC SITES:

This pesticide is toxic to fish, aquatic invertebrates, and aquatic life stages of amphibians. Do not apply directly to water except as specified on this label. Do not contaminate water when disposing of equipment washwaters

#### PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame. Do not store at temperatures below freezing, as such low temperatures may be harmful to this product.

#### 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 and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

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.

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
- + Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or viton
- + Protective Eyewear
- + Shoes plus socks
- + Chemical-resistant headgear for overhead exposure

#### NON-AGRICULTURAL USE REQUIREMENTS

The requirements of this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep children, pets, and other unprotected persons out of treated areas until sprays have dried.

#### CHEMIGATION PROHIBITION

Do not apply this product through any type of irrigation system.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal. Do not store under conditions which might adversely affect the container or its ability to function properly.

STORAGE: Do not store below temperature of 9 degrees F. If frozen, warm to 40 degrees F, and redissolve before using by rolling or shaking the container. Keep container tightly closed when not in use. Reduce stacking height where local conditions can affect package strength. Personnel should use clothing and equipment consistent with good pesticide handling.

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). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

For proper mixing, the spray tank should be at least 3/4 filled with water before Fyfanon 5EC formulation is added. Mechanical agitation or recirculation through the pump by-pass to the tank is usually sufficient for maintaining a good dispersion. Rinse empty container with water and drain into spray tank - repeat twice more. Repeat applications should be made as needed unless otherwise indicated. Consult your State Experiment Station as to the timing of applications.

NOTE: The U.S. Food and Drug Administration has set official tolerances for certain pesticide residues. In order that residues on food and forage crops will not exceed established tolerances, use only at recommended rates, and do not apply closer to harvest than specified.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation

VEGETABLES

Apply in a minimum of 30 gallons by ground equipment or 5 gallons by air equipment unless otherwise specified. Best results are obtained with uniform coverage.

ASPARAGUS:

Asparagus aphid, Asparagus beetle - 2 pints. Thrips - 1 1/2 to 2 pints per acre. Do not apply within 1 day of harvest.

BEANS (Green, Lima, Navy, Red Kidney, Snap, Wax, Cowpeas and Blackeyed Peas):

Aphids, Bean leaf beetles, Blister beetles, Cucumber beetles, Potato leafhoppers, Lygus bugs - 2 pints per acre.

Japanese beetle, Mexican bean beetle - 1 1/2 to 2 pints per acre.

Red Spider mites - 1 1/2 pints per acre.

Do not apply within 1 day of harvest. Do not feed or graze forage, hay or straw to livestock.

DRY BEANS (California and Northwest only):

Lygus bugs - 1 1/2 to 2 pints per acre, 1 1/2 pints per acre (air) in 10 gallons of water. Do not apply within 1 day of harvest. Do not feed or graze forage, hay or straw to livestock.

BEETS (Garden and Table):

Aphids - 1 1/2 to 2 pints per acre. Do not apply within 3 days of harvest.

**BRUSSELS SPROUTS:**

Aphids - 1 to 2 pints per acre. Do not apply within 7 days of harvest.

**CABBAGE:**

Aphids, Cabbage Looper, Imported Cabbageworm - 1 to 2 pints per acre.

Diamondback Moth, Webworm - 2 pints per acre.

Do not apply within 7 days of harvest.

For control of Caterpillars on summer and fall plantings in the South, begin when true leaves appear on other plantings, and for control of other insects, begin when insects appear.

**CARROTS:**

Aphids - 1 1/2 to 2 pints per acre.

Leafhopper - 2 1/2 pints per acre.

Do not apply within 7 days of harvest.

**CAULIFLOWER:**

Diamondback moth - 2 to 4 pints.

Aphids - 1 to 2 pints.

Do not apply within 7 days of harvest.

**CELERY:**

Aphids, Spider mites - 1 1/2 pints per acre. To be applied to fresh leaves and stalks only. Do not use on crops grown for seed and oil. Do not apply within 7 days of harvest.

**COLLARDS:**

Aphids - 1 1/2 to 2 pints per acre.

Harlequin cabbage bug - 1 pint per acre. Do not apply within 7 days of harvest. For control of caterpillars on summer and fall plantings in the South, begin when true leaves appear. On other plantings, and for control of other insects, begin when insects appear.

**CUCUMBERS:**

Aphids, Pickleworms, Spider mites - 1 1/2 to 2 pints per acre. Squash vine borer - 3 pints per acre.

Cucumber beetle, Leaf miner - 2 pints per acre. Do not apply to cucumbers unless plants are dry. Do not apply within 1 day of harvest.

**DANDELION, PARSLEY, PARSNIP, SWISS CHARD, WATERCRESS:**

Aphids - 1 1/2 to 2 pints. Do not apply within 21 days of harvesting parsley or within 7 days of harvesting dandelion, parsnip, Swiss chard or watercress.

**EGGPLANT:**

Aphids, Spider mites - 1 pint per acre.

Lacebugs - 3 pints per acre. Do not apply within 3 days of harvest.

**ENDIVE:**

Aphids, Spider mites - 1 1/2 to 2 pints per acre.

Do not apply within 7 days of harvest.

**GARLIC, SHALLOTS:**

Aphids, Thrips - 1 1/2 to 2 pints per acre. Do not apply within 3 days of harvest.

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HOPS:

Aphids, Spider mites - 1 pint per acre. Do not apply within 10 days of harvest.

KALE:

Aphids, Cabbage looper, Imported cabbageworm - 1 to 2 pints per acre.

Webworm, Diamondback moth - 2 pints per acre. Do not apply within 7 days of harvest. For control of caterpillars on summer and fall plantings in the South, begin when true leaves appear. On other plantings, and for control of other insects, begin when insects appear.

KOHLRABI:

Aphids - 1 to 2 pints per acre.

Cabbage looper, Diamondback moth, Imported cabbageworm, Webworm 2 pints per acre. Do not apply within 7 days of harvest.

LEEKs:

Aphids - 1 to 2 pints per acre.

onion maggot flies - 2 1/2 pints per acre.

Thrips - 3 pints per acre. Do not apply within 3 days of harvest.

LENTILs:

Cowpea aphid, Pea aphid - 1 1/2 pints per acre.

Do not apply within 3 days of harvest. Do not feed or graze forage, hay or straw to livestock.

LETTUCE:

Aphids, Leafhoppers, Spider mites - 2 pints per acre.

Cabbage looper - 3 pints per acre. Do not apply within 7 days of harvesting head lettuce or within 14 days of harvesting leaf lettuce.

MELONS (Cantaloupe, Casaba, Crenshaw, Honeydew, Honey Balls, Muskmelons, Persian and hybrids of these, Watermelons and their hybrids):

Aphids, Spider mites - 1 1/2 to 2 pints per acre.

Cucumber beetles - 2 to 3 pints.

Leaf miners - 2 pints per acre. Leafhoppers - 1 1/2 to 2 pints per acre.

Pickleworms - 2 pints per acre.

Squash vine borer - 3 pints per acre. Do not apply to melons unless plants are dry. Do not apply within 1 day of harvest.

MUSHROOMs:

Mites, Phorid and Sciarid flies - 2 1/2 pints in 130 gallons of water; or, 2 tablespoons in 3 gallons of water per 1000 sq. ft. of bed. Make thorough applications as soon after picking as possible. Repeat applications as necessary, usually twice a week. Do not apply within 1 day of harvest.

MUSTARD GREENs:

Aphids, Cabbage Looper, Imported cabbageworm - 2 pints per acre. Flea beetles - 1 1/2 to 2 pints per acre. For control of caterpillars on summer and fall plantings in the South, begin when true leaves appear. On other planting, and for control of other insects, begin when insects appear. Do not apply within 7 days of harvest.

OKRA:

Aphids - 1 1/2 pints per acre.

Japanese beetle - 2 pints per acre. Do not apply within 1 day of harvest. Make no application after pods start to form.



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ONIONS:

Onion maggots - 1 1/2 to 2 1/2 pints per acre.  
Onion thrips - 1 1/2 to 2 pints per acre. Do not apply within 3 days of harvest.

PEAS:

Aphids - 1 1/2 to 2 pints per acre. Grasshoppers - 2 pints per acre.  
Leafhoppers - 1 1/4 to 4 pints per acre. Do not apply within 7 days of harvest if vines are to be fed, or within 3 days of harvest if vines are not to be fed.

PEPPERMINT, SPEARMINT:

Aphids, Flea beetles, Leafhoppers, Spider mites - 1 1/2 pints per acre. Do not apply within 7 days of harvest.

PEPPERS:

Aphids - 1 to 2 1/2 pints per acre.  
Pepper maggots - 2 1/2 pints per acre. Do not apply within 3 days of harvest.

POTATOES:

Aphids, Grasshoppers, Leafhoppers - 2 pints per acre.  
False chinch bugs - 1 1/2 pints per acre.  
Mealybugs - 2 to 2 1/2 pints per acre. May be applied on the day of harvest.

PUMPKINS:

Aphids, Pickleworms, Spider mites - 2 pints per acre.  
Leafhoppers - 1 1/2 to 2 pints per acre.  
Cucumber beetles, Squash vine borer - 3 pints per acre.  
Do not apply to pumpkins unless plants are dry. Do not apply within 3 days of harvest.

RADISH, HORSERADISH:

Aphids - 1 1/2 to 2 pints per acre. Do not apply within 7 days of harvest.

RICE:

Rice leaf miner - 2 1/2 pints per acre. Make first-application shortly after the first rice blades appear on the surface of the water and repeat if necessary. Do not apply within 7 days of harvest.  
Rice stink bugs - 1 to 1 1/2 pints per acre. Apply by airplane in 2 gallons of water per acre during the early milk and dough stage of growing rice. Repeat applications as necessary. Do not apply within 7 days of harvest.

RUTABAGA:

Aphids - 1 1/2 pints per acre. Do not apply within 3 days of harvest.

SPINACH:

Aphids - 2 pints per acre. Do not apply within 7 days of harvest.

SQUASH:

Aphids, Leaf miners, Spider mites, Pickleworm - 2 pints per acre. Cucumber Beetles, Squash vine borer - 3 pints per acre - Do not apply to squash unless plants are dry. Do not apply within 1 day of harvest.

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**STRAWBERRIES:**

Aphids, Spider mites - 1 1/2 pints per acre.  
Field crickets, Lygus bugs, Spittlebugs, Thrips - 1 1/2 to 3 pints per acre.  
Potato leafhopper, Strawberry leafroller, Strawberry root weevil, whiteflies - 1 1/2 to 2 1/2 pints per acre. Do not apply within 3 days of harvest.

**SWEET CORN:**

Japanese beetle - 2 pints per acre. Do not apply within 5 days of harvest. Injury may occur in the whorl or the silks.

**SWEET POTATOES:**

Leafhoppers - 1 1/2 to 2 pints per acre.  
Morninglory leaf miner - 2 1/2 to 3 pints per acre. Do not apply within 3 days of harvest.

**TOMATOES:**

Aphids - 1 1/2 pints per acre.  
Drosophila - 2 1/2 pints per acre.  
Spider mites - 1 1/2 pints per acre. Do not apply within 1 day of harvest.  
Armyworms, Fruitworms (California only) - 2 3/4 quarts per acre. Do not apply within 3 days of harvest.

**TURNIP:**

Aphids, Cabbage looper, Imported cabbageworm - 1 to 2 pints per acre. For control of caterpillars on summer and fall plantings in the South, begin when true leaves appear. On other plantings, and for control of other insects, begin when insects appear. Do not apply within 7 days of harvest if tops are to be used for food or feed.

**FRUIT AND NUT**

**APPLES:**

Budmoth, Forbes scale, Woolly apple aphid - 1 pint per 100 gallons, 4 pints per acre.  
Eastern tent caterpillar - 1 to 1 1/2 pints per acre per 100 gallons, 4 to 6 pints per acre.  
Green apple aphid, Rosy apple aphid - 1 1/2 pints per 100 gallons, 6 pints per acre.  
Codling moth, Plum curculio, Red-banded leafroller - 2 pints per 100 gallons, 8 pints per acre.  
Mealybug, Mites (such as Clover mite, European redmite, Twospotted spider mite, Willamette mite) - 1 to 2 pints per 100 gallons, 4 to 8 pints per acre. Do not apply within 3 days of harvest. The rates for use on apples are based on a standard of 400 gallons per acre dilute spray for mature trees pruned 20 to 22 feet high in rows 40 feet apart. Fyfanon 5EC may cause fruit injury to McIntosh and Cortland varieties if spray is applied within 4 weeks of harvest.

**DORMANT OR DELAYED DORMANT SPRAYS:**

Aphids, Mites, Red-banded leafrollers - 1 pint per 100 gallons plus 1 gallon superior oil. Make full coverage dormant or delayed dormant applications only.

**APRICOTS:**

Aphids, Codling moth, European fruit lecanium, Orange tortrix, Soft brown scale, Terrapin scale - 1 1/2 to 2 pints per 100 gallons, 4 1/2 to 6 pints per acre. Do not apply within 7 days of harvest. The rate for use on apricots is based on a standard of 300 gallons per acre dilute spray for mature trees.

**AVOCADO:**

Greenhouse thrips, Latania scale, Omnivorous looper, Orange tortrix, Soft brown scale - 1 1/2 pints per 100 gallons, 4 1/2 pints per acre. Do not apply within 7 days of harvest. The rate for use on avocados is based on a standard of 300 gallons per acre dilute spray for mature trees.

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BLACKBERRY, BOYSENBERRY, DEWBERRY, LOGANBERRY, RASPBERRY: Aphids, rose scale chafers, Japanese beetle, Leafhoppers, Mites, Thrips - 1 1/2 pints per 100 gallons, 3 pints per acre. Do not apply within 1 day of harvest. The rates for use on brambles are based on a standard of 200 gallons per acre dilute spray.

BLUEBERRIES:

Blueberry maggots - 1 pint per 100 gallons plus 1 1/2 quarts Staley's Sauce Base No. 7 For use in the Northeast only. Apply in 100 gallons of water per acre. Do not apply within 8 hours of harvest.

Cherry fruitworm - 1 pint per 100 gallons, 2 pints per acre. Do not apply within 1 day of harvest.

Cranberry fruitworm - 1 pint per 100 gallons, 2 pints per acre. Make first application at egg hatch and repeat applications every 4 to 5 days until a total of four applications have been made. Do not apply within 1 day of harvest.

Japanese beetle - 3/4 pint per 100 gallons, 1 1/2 pints per acre. Make application when first berries turn blue and at 10 day intervals as long as infestation persists. Do not apply within 1 day of harvest. The rates for use on blueberries are based on a standard of 200 gallons per acre dilute spray.

CHERRY:

Black cherry aphid, Fruit-tree leafroller - 1 1/2 pints per 100 gallons, 6 pints per acre.

Cherry fruit fly, Japanese beetle - 1 pint per 100 gallons, 4 pints per acre. Do not apply within 3 days of harvest. The rates for use on cherries are based on a standard of 400 gallons per acre dilute spray for mature trees. Do not apply more than 8 pounds of actual Fyfanon 5EC per acre to cherry trees. Injury may occur on certain varieties of sweet cherries, particularly in the Northwest.

CURRANTS, GOOSEBERRIES:

Japanese beetles - 1 1/2 pints per 100 gallons, 3 pints per acre. Rose chafers, Mites - 1 pint per 100 gallons, 2 pints per acre. Do not apply within 3 days of harvest. The rates for use on currants and gooseberries are based on a standard of 200 gallons per acre dilute spray.

FIGS:

Dried fruit beetles, vinegar flies - 2 quarts per acre plus 1 to 2 gallons unsulfured molasses. Do not apply within 3 days of harvest.

GRAPES:

Leafhoppers, Spider mites - 1 1/2 pints per 100 gallons, 3 pints per acre. Do not apply within 3 days of harvest.

European fruit lecanium - 1 1/2 pints per 100 gallons. Make full coverage applications when newly hatched nymphs are migrating over vines, usually shortly after bloom. Do not apply within 3 days of harvest.

Mealybugs - 1 1/2 pints per acre. Apply in 50 to 100 gallons. Do not apply within 3 days of harvest. The rates for use on grapes are based on a standard of 200 gallons per acre dilute spray. Injury may occur on grapes of Almeria, Cardinal, Italia and Ribier varieties when sprays containing Fyfanon 5EC are applied after clusters appear.

MACADAMIA NUTS:

Green stink bugs - 1 1/2 pints per 100 gallons. Reply when insects start to feed on the nuts and repeat as necessary. May be applied during harvest. No more than 15 pounds of actual Fyfanon 5EC per acre should be applied to macadamia nut trees.

NECTARINES:

Spider mites - 1 to 2 pints per 100 gallons, 3 to 6 pints per acre. Plum curculio - 2 pints per 100 gallons, 6 pints per acre. Do not apply within 7 days of harvest. The rates for use on nectarines are based on a standard of 300 gallons per acre dilute spray for mature trees. Fyfanon 5EC may cause fruit spotting on nectarines.

PAPAYA:

Aphids, Mealybugs - 1 1/2 to 2 pints per 100 gallons. May be applied on the day of harvest.

PEACHES:

Black cherry aphid, Black peach aphid, European red mite, Green peach aphid, Rusty plus aphid, Japanese beetle, Spider Mites : 1 pint per 100 gallons, 3 pints per acre.

Oriental fruit moth, Plum curculio - 2 pints per 100 gallons, 3 quarts per acre. Do not apply within 7 days of harvest.

Cottony peach scale, European fruit lecanium, Terranin scale - 2 pints per 100 gallons. Make full coverage applications at completion of hatching, about the last of June. Do not apply within 7 days of harvest. The rates for use on peaches are based on a standard of 300 gallons per acre dilute spray for mature trees. Do not apply more than 9 pounds of actual Fyfanon 5EC per acre to peach trees.

PEARS:

Aphids - 1 pint per 100 gallons, 3 pints per acre.

Mealybug, Mites, Pear psylla - 1 to 2 pints per 100 gallons, 3 to 6 pints per acre.

Codling moth, Fruit-tree leafroller, Plum curculio, Red-banded leafroller - 2 pints per 100 gallons, 6 pints per acre.

Do not apply within 1 day of harvest. The rates for use on pears are based on a standard of 300 gallons per acre dilute spray for mature trees. Injury may occur under certain conditions in the Northeast on Bosc pears.

PECANS:

Aphids, Spider mites, Walnut aphid - 1 1/2 to 2 pints per 100 gallons, 7 1/2 to 10 pints per acre. May be applied on the day of harvest.

European red mite - 1 1/4 pints per 100 gallons, 6 1/4 -pints per acre. Apply when buds begin to develop and repeat as necessary. May be applied on the day of harvest.

Pecan nut casebearer, Walnut husk fly - 1 1/4 pints per 100 gallons, 6 1/4 pints per acre. Apply after first generation eggs begin to hatch. May be applied on the day of harvest. The rates for use on pecans are based on a standard of 500 gallons per acre dilute spray for mature trees 25 to 35 feet high.

PINEAPPLE:

Mealybug - 1 pint per 100 gallons, 8 pints per acre. Do not apply within 7 days of harvest.

QUINCE:

Codling moth, Oriental fruit moth, Plum curculio - 2 pints per 100 gallons, 6 pints per acre.

Spider mites - 1 to 2 pints per 100 gallons, 3 to 6 pints per acre.

Forbes scale - 1 pint per 100 gallons. Make full coverage applications when crawlers are present, about first or second cover an half of July, Do nto apply within 3days of harvest. The rates for use on quince are based on a standard of 300 gallons per acre d spray for mature trees.

WALNUTS:

Aphids, European red mite - 1/2 pint per 100 gallons, 1 1/2 to 3 pints per acre. May be applied on the day of harvest.

Walnut husk fly - 1/2 pint per 100 gallons, 1 1/2 to 3 pints per acre. Apply with conventional sprayer. For bait sprays, combine Staley's Sauce Base No. 2 and No. 7 at the rate of 2 quarts per acre with Fyfanon 5EC. May be applied on the day of harvest, 3 to 4 pints per acre. Apply in 500 gallons of water per acre with air-carrier type sprayer. For bait sprays, combine Staley's Sauce Base No. 2 or No. 7 at the rate of 2 quarts per acre with Fyfanon 5EC. May be applied on the day of harvest.

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FIELD CROPS AND PASTURE AND RANGE GRASSES

ALFALFA:

Alfalfa weevil larvae, Aphids, Grasshoppers, Lygus bugs, Potato leafhoppers, Spider Mites, Spittlebugs, Stink bugs - 1 1/2 to 2 pints per acre.

Armyworms - 2 pints per acre. Clover leaf weevil - 1 1/2 pints per acre. Vetch bruchid - 2 to 2 1/2 pints per acre. Apply to alfalfa in bloom only in the evening or early morning when bees are not working in the field or are not hanging on outside of hives. May be applied on the day of harvest.

CLOVER:

Alfalfa weevil larvae, Aphids, Grasshoppers, Lygus bugs, Potato leafhoppers, Spider mites, Spittle bugs - 1 1/2 pints per acre. Do not apply to clover in bloom. May be applied on the day of harvest.

CORN (Grain or Forage):

Aphids, Corn earworm, Corn rootworm adults, Grasshoppers, Sap beetle, Thrips - 1 1/2 pints per acre.

Armyworms - 1 1/2 to 2 pints per acre. For control of corn ear worm and sap beetles, begin treatments when 10% of the ears show silk. Repeat applications at 3 to 5 day intervals until 4 to 5 applications have been made. Do not apply within 5 days of harvest or forage use. Injury may occur in the whorl and silk stages with Fyfanon 5EC.

COTTON:

Brown cotton leafworm, Cotton aphid, Cotton leafworm, Cotton leafperforator, Desert spider mite, Leafhoppers, Lygus bugs, Thrips, Whiteflies - 1/2 to 2 pints per acre.

Boll weevil - 2 to 4 pints per acre. Cotton fleahoppers - 1 to 1 1/2 pints per acre. May be applied on the day of harvest. Consult local agricultural authorities for exact time of application.

Fall armyworms, Garden webworms, Grasshoppers - 1 1/2 to 3 pints. Lygus bugs, Thrips - 1 to 4 pints per acre. May be applied on the day of harvest.

GRASSES (Barnyardgrass, Canarygrass, Fescue, Orchardgrass, Red top, Timothy, Yellow foxtail):

Cereal leaf beetle - 1 to 1 1/2 pints per acre. May be applied on the day of harvest or grazing.

PASTURE AND RANGE GRASS, GRASS AND GRASS HAY:

Aphids, Grasshoppers, Leafhoppers - 1 1/2 to 2 pints per acre OR 1 1/2 pints in 1 gallon of diesel fuel oil per acre.

Armyworms - 2 pints per acre or 1 1/2 pints in 1 gallon of diesel fuel oil per acre. May be applied on the day of harvest or grazing.

SMALL GRAINS (Barley, Oats, Rye, Wheat):

Cereal leaf beetle - 1 to 1 1/2 pints per acre. English grain aphids, Grasshoppers, Greenbugs - 1 1/2 pints per acre.

Winter grain mite - 2 pints per acre. Do not apply within 7 days of harvest or forage use.

GRAIN SORGHUM: Greenbugs - 1 1/2 pints per acre. Do not apply within 7 days of harvest or forage use. Do not feed or graze forage, hay or straw to livestock.

VETCH: Omniverous leaf tier, Pea aphid, Vetch bruchid - 1 1/2 to 2 pints per acre. May be applied on the day of harvest or grazing.

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**OUTDOOR ORNAMENTALS FLOWERS, SHADE TREES, SHRUBS:**

Injury may occur on Ferns, Hickory, Viburnum, Lantana, Crassula and Canaretii Juniper following the use of Fyfanon SEC, s injury has also been reported on Boston, Pteris, and Maidenhair Ferns, Petunias, Small-Leaf Spirea, White Pine and Maples. U extreme heat, drought and disease conditions the emulsifiable concentrates may cause slight damage to Elms.

Aphids, Spider mites: 1 1/2 pints per 100 gallons or 2 teaspoons per gallon.

Bagworms, Birch leaf miner, Boxwood leaf miner: 2 pints per 100 gallons or 2 teaspoons per gallon.

European pine shoot moth, Four-lined leaf bug, Japanese beetle adult, Potato leafhopper, Rose leafhopper, Tarnished plant bug,

Thrips: 1 1/2 pints per 100 gallons or 2 teaspoons per gallon.

Lace bug: 1 pint per 100 gallons OR 2 teaspoons per gallon.

Mecalybugs, Whiteflies: 1 1/2 pints per 100 gallons or 2 teaspoons per gallon.

Oak kemes: 2 pints per 100 gallons or 2 teaspoons per gallon.

Apply when scale crawlers have settled on foliage.

Tent caterpillar: 2 pints per 100 gallons or 2 teaspoons per gallon.

Oyster shell scale: 1 pint per 100 gallons or 2 teaspoons per gallon. Apply when scale crawlers have settled on foliage.

Euonymus scale, Scurfy scale: 1 1/2 pint per 100 gallons or 2 teaspoons per gallon.

Azalea scale, Magnolia scale, Pine leaf scale: 2 pints per 100 gallons or 2 teaspoons per gallon.

Fletcher scale: 2 pints per 100 gallons or 2 teaspoons per gallon. Apply when scale crawlers have settled on foliage.

Florida red scale, Juniper scale: 2 pints per 100 gallons or 2 teaspoons per gallon. Apply when scale crawlers have settled on foliage.

Black scale crawlers, Soft brown scale: 2 1/4 pints per 100 gallons or 2 teaspoons per gallon.

Monterey pine scale: 2 1/2 pints per 100 gallons or 2 teaspoons per gallon.

Pine needle scale: 4 pints per 100 gallons or 4 teaspoons per gallon.

Wax scale: 4 pints per 100 gallons or 4 teaspoons per gallon. Apply in spring when crawlers are active. Repeat 1 or 2 full-coverage applications at 10 day intervals.

**PINE SEED ORCHARDS  
CHRISTMAS TREE PLANTATIONS**

**PINES:**

Pine needlesheath miner - 1 1/2 pints/acre. Apply by ground or aircraft equipment in 25 gallons of water. Make application when air is calm and temperature is below 68 degrees F. Apply when 75% of larvae have left overwintering mines.

**EASTERN PINES:**

Pine tortoise scale - 1 1/2 pints/acre. Apply aircraft in 2 gallons of water per acre when crawlers emerge. Repeat application in 1 week under conditions of heavy infestations. Apply when air is calm and temperature is below 68 degrees F.

**RED PINE:**

Red-headed pine sawfly - 0.8 pints/acre. Apply by mist blower in 2 gallons of water per acre when egg hatch is complete.

IN AND AROUND GREENHOUSES AND GARDENS:

BEANS:

Aphids, Cucumber beetles, leafhoppers, Spider mites - 1 teaspoon/gallon water, Pre-harvest interval is 1 day.

CUCUMBERS:

Aphids, Armyworms, Cabbage loopers, Earwigs, Garden flea hoppers, Mealybugs, Spider mites, Thrips, Whiteflies - 1.5 to 2 teaspoons/gallon water. Spray plants thoroughly. Do not apply to plants unless they are dry. Pre-harvest interval is 1 day.

ENDIVE, LETTUCE:

Aphids, Armyworms, Cabbage loopers, Serpentine leafminers, Thrips, Whiteflies - 1.5 to 2 teaspoons/gallon water. Spray plants thoroughly. Pre-harvest intervals: endive, 7 days if tops are fed; leaf lettuce, 14 days.

ONIONS:

Thrips - 1 teaspoon/gallon water. Pre-harvest interval is 3 days.

PEPPERS: Aphids - 1 teaspoon /gallon water. Pre-harvest interval is 3 days.

TOMATO, EGGPLANT:

Aphids, Armyworms, Cabbage loopers, Cutworms, Drosophila, Garden fleahoppers, Mealybugs, Serpentine leafminers, Spider mites, Thrips, Tomato russet mites, Whiteflies - 1.5 to 2 teaspoons/gallon water. Spray plants thoroughly. Pre-harvest interval is 1 day.

AROUND GARDENS:

Millipedes, Sawbugs, Springtails - 1 teaspoon/gallon. Apply to 150 square feet of soil surface or where insects congregate. Repeat at 7 to 10 day intervals as needed.

LAWNS:

Ant mounds - 1 1/2 pints/100 gallons. Spray ant hills thoroughly so that they are well soaked. For other small ants in flower beds, lawns, around trees, spray lightly in the infested areas. Repeat in 10 to 15 days if ants return.

Ground pearls - 3 to 4 quarts/100 gallons. Make full coverage to surface when ground pearl nymphs are in the pink, "crawler" or active stage and immediately wash into soil with additional water.

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### WARRANTY

The label instructions for the 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 CHEMINOVA. All such risks shall be assumed by the user.

CHEMINOVA warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the directions for use, subject to the risks referred to above.

Any damages arising from a breach of this warranty shall be limited to direct damages and shall not include consequential commercial damages such as loss of profits or values or any other special or indirect damages.

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