

MALATHION

BEFORE USING
THIS PESTICIDE
STOP
READ THE LABEL

Fyfanon® ULV

INSECTICIDE

ULTRA LOW VOLUME CONCENTRATE INSECTICIDE

CHEMINOVA

ACTIVE INGREDIENT:

Malathion** 96.5%

INERT INGREDIENTS: 3.5%

TOTAL: 100%

**O,O-dimethyl phosphorodithioate of diethyl mercaptosuccinate
(1 gallon contains 9.9 pounds of malathion)

KEEP OUT OF REACH OF CHILDREN

CAUTION

IN CASE OF A MEDICAL EMERGENCY, CALL TOLL FREE, DAY OR NIGHT, 1-866-303-6950

FIRST AID

IF SWALLOWED:

This product is an organophosphate and is a cholinesterase inhibitor.

Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center. Do not give anything by mouth to an unconscious person.

IF INHALED:

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

IF ON SKIN OR CLOTHING:

Call a poison control center or doctor for further treatment advice.

IF IN EYES:

Hold eye open and rinse slowly and gently with water 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

You may also contact 1-866-303-6950 for emergency medical treatment information.

NOTE TO PHYSICIAN:

This product is a cholinesterase inhibitor. Treat symptomatically. Atropine is antidotal.

Manufactured for: CHEMINOVA, Inc.

Phone: (973) 305-6600 – Fax: (973) 305-1382

EPA Reg. No.: 67760-34

Product of Denmark

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

Harmful by swallowing, inhalation or skin contact. Avoid contact with skin. Avoid breathing spray mist. Do not contaminate food or feed products.

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, Butyl Rubber, Nitrile Rubber, or Viton.
- Shoes plus socks

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.

ENGINEERING CONTROLS STATEMENTS: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

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

This pesticide is toxic to fish, aquatic invertebrates, and aquatic life stages of 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.

For aquatic uses, do not apply directly to water except as specified on this label. 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.

Protective information may be obtained from your cooperative Agricultural Extension Service.

PHYSICAL OR CHEMICAL HAZARDS

Before using, read the directions contained in this labeling for the proper methods and procedures which must be followed to achieve effective insect control and avoid permanent damage to automobile and other paint finishes.

DISCLAIMER

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, automobile paint damage, 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.

CHEMINOVA makes no other express or implied warranty including any other express or implied warranty of FITNESS or MERCHANTABILITY.

The sale of this product does not include a license under any patent owned by CHEMINOVA.

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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.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal.

STORAGE: Fyfanon ULV should be stored at temperatures not exceeding 25°C (77°F). It should never be heated above 55°C (131°F), and also local heating above this temperature should be avoided.

PESTICIDE DISPOSAL: Pesticide, spray mixture or rinse water that cannot be used according to label instructions may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Disposable – Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. For returnables/refillables, return to manufacturer for refilling.

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 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, Butyl Rubber, Nitrile Rubber, or Viton.
- Shoes plus socks

AGRICULTURAL USES: Do not use this product for any uses other than those specified on this label.

Fyfanon ULV is used undiluted in specially designed aircraft or ground equipment that has been adapted and calibrated for ultra-low volume spraying. Spray machines must be equipped with accepted low volume devices that will produce droplets within the range of 30 to 100 microns in size. Apply only when weather conditions are favorable. Wind and rising air currents may cause undesirable spray drift and reduce insect control.

Mist blowers and boom sprayers utilizing a controlled air flow to facilitate particle size and spray deposition may be used at a vehicle speed of 4 to 10 mph.

Mist blowers with a pump capable of producing 40 psi and blower speeds of 2600 rpm are satisfactory. Use flat fan nozzles, 8001 to 8002, placed 30° into air blast or rotary atomizers placed into the air blast that produce an efficient spray particle with a mass median diameter of 40 to 100 microns. Other similar application equipment which has demonstrated the capability to deliver even distribution of the labeled rate over the desired area may be used. Apply only when weather conditions are favorable. Wind and rising air currents may cause undesirable spray drift and reduce insect control.

Boom sprayers with a filtered rotary air compressor, either PTO or gas engine driven or an air pump capable of producing at least 12 psi are satisfactory. Use air pressure on chemical tanks and an accurate metering valve to assure a calibrated flow of the pesticide. Air should be regulated with a relief valve and gauge for proper air and liquid mixture. Pneumatic-type spray nozzles, as suggested by equipment manufacturer, should be used for spray particles with mass median diameter of 30 to 100 microns. Apply only when weather conditions are favorable. Wind and rising air currents may cause undesirable spray drift and reduce insect control.

Repeat applications should be made as necessary unless otherwise specified.



*Fyfanon is a registered trademark of Cheminova.

IMPORTANT

Undiluted spray droplets of Fyfanon ULV will permanently damage automobile paint. Cars should not be sprayed. If accidental exposure does occur, the car should be washed immediately.

Consult your State Experiment Station or State Extension Service for proper timing of sprays.

CROP	PESTS CONTROLLED	FLUID OUNCES PER ACRE	PRE-HARVEST INTERVAL and COMMENTS
Alfalfa	Alfalfa caterpillars	8	0 days. Apply when larvae are small.
	Western yellow striped armyworms	12	5 days. Apply when larvae are large or when foliage is dense.
	Alfalfa weevil larvae	16	5 days. Apply when day temperatures are expected to exceed 65°F and when 50-70% of leaves show feeding damage.
	Beet armyworms	8	0 days. Apply when larvae are small.
		16	5 days. Apply when larvae are large or when foliage is dense.
	Grasshoppers	8	0 days.
Do not apply to alfalfa in bloom. Do not apply to seed alfalfa.			
Beans (lima, green, snap, navy, red kidney, wax, dry, blackeye)	Mexican bean beetles Leafhoppers Green cloverworms Japanese beetles Lygus bugs Aphids Thrips Spider mites Asparagus beetles Pea weevils	8	1 day. Do not graze or feed foliage, vines/ forage, straw/hay.
Blueberries	Blueberry maggots	10	1 day.
Cherries	Cherry fruit flies	12-16	1 day. Apply by aircraft only. Use higher rate when foliage is heavy or infestation is severe. Make first application as soon as flies appear.
Cereal Crops (barley, oats, corn, wheat), and grasses	Cereal leaf beetles	4-8	Barley, oats, wheat: 7 days. Corn: 5 days. Grasses: 0 days.
Clover, Pasture and Range Grass, Grass, Grass Hay, uncultivated Non-agricultural Areas (wastelands, roadsides)	Grasshoppers	8-12	0 days. Do not apply to clover in bloom.
Corn	Adult corn rootworms	4	5 days.
Cotton	Early Season Insects Thrips Flea-hoppers Leafhoppers	4-8	0 days.
		8-16	0 days. Early to midseason.
		16	0 days. Late season.
	Grasshoppers	8	0 days.
	Lygus bugs	8-12	0 days.
		16	0 days. Very heavy migrating populations.
For use on cotton: Fyfanon ULV can be used alone as a ULV concentrate spray or diluted in once-refined cottonseed or vegetable oil sufficient to make at least one quart of finished spray per acre.			
Grain Crops (barley, corn, oats, rye, rice, grain, sorghum [milo] and wheat)	Grasshoppers	8	7 days, except corn. Corn: 5 days. Do not graze or feed grain sorghum forage, fodder/stover, or hay.
Grain Sorghum (milo)	Sorghum midges	8-12	7 days. Apply during the bloom stage. Do not graze or feed grain sorghum forage, fodder/stover, or hay.
Rice – Grain (Louisiana, Texas)	Rice stink bugs	8	7 days. Apply by aircraft only. Apply during early milk and dough stage of growing rice.
NOTE FOR AQUATIC USES (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.			
Non-agricultural Lands	Beet leafhoppers on wild host plant	8	0 days.

OTHER AGRICULTURAL USES:
Alfalfa, Clover, Pasture and Range Grass, Grass and Grass Hay, Grain Crops (barley, corn, oats, rye, rice, sorghum/milo, wheat), Beans, and Nonagricultural Lands (wasteland): Adult mosquitoes and flies – Apply Fyfanon ULV at the rate of 2 to 4 fluid ounces per acre for control of adult mosquitoes and at 6 to 8 fluid ounces per acre for control of adult flies and mosquitoes. Repeat applications as necessary. On alfalfa, clover, pasture and range grass, grass and grass hay, may be applied on day of harvest or grazing. Do not apply to alfalfa or clover in bloom. Do not use on seed alfalfa. On grain crops, make no application within 7 days of harvest or forage use; on corn, within 5 days of harvest or forage; on rice, within 7 days of harvest; on beans, within 1 day of harvest. Do not graze or feed grain sorghum forage, fodder/stover, or hay.