

PM 04

4787-8

7/25/97

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Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 05-31-98



United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number  
247330

Application for Pesticide - Section I

1. Company/Product Number 4787-8	2. EPA Product Manager W. Jacobs	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Fyfanon ULV	PM# 14	
5. Name and Address of Applicant (Include ZIP Code) Cheminova Inc. 1700 Rt. 23 suite 210 Wayne, NJ 07470 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Revision of advisory statements. No other changes have been made. Changes are made to reflect current equipment & aircraft in use.

NOTIFICATION  
JUL 25 1997

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container	<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name H. Marla Biss	Title Mgr. Reg. Affairs	Telephone No. (Include Area Code) 201-305-6600
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature <i>H. Marla Biss</i>	3. Title Mgr. REG. Affairs	
4. Typed Name H. Marla Biss	5. Date April 17, 1997	

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# FYFANON<sup>®</sup> ULV

INSECTICIDE

## ULTRA LOW VOLUME CONCENTRATE INSECTICIDE



**Active ingredient:**

Malathion\*\* ..... 96.8%

Inert ingredients ..... 3.2%

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

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

Harmful by swallowing, inhalation or skin contact

**Avoid breathing spray mist • Avoid contact with skin • Do not contaminate food or feed products**

**IN CASE OF A MEDICAL EMERGENCY, CALL TOLL FREE, DAY OR NIGHT, AREA CODE 800-228-5635, Ext. 153**

**FIRST AID**

This product is an organophosphate and is a cholinesterase inhibitor.

**If swallowed:** Call a physician or poison control center immediately. Induce vomiting by giving 1 or 2 glasses of water and touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

**If inhaled:** Remove victim to fresh air immediately.

**If on skin:** Wash affected areas with soap and water.

**If in eyes:** Flush with water for at least 15 minutes and get medical attention.

**NOTE TO PHYSICIAN:** This material is a cholinesterase inhibitor. Treat symptomatically. Atropine is an antidote. See side panels for additional precautionary statements.

Product of Denmark  
**CHEMINOVA - Lemvig - Denmark**  
Phone: 97 83 41 00 - Telex: 66514 - Telecopier 97 83 45 55

EPA Reg. No.: 4787-8

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS (& DOMESTIC ANIMALS)**

Harmful by swallowing, inhalation or skin contact. Avoid breathing spray mist. Avoid contact with skin. 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, or Butyl Rubber, or 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.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources. This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the treated area. Do not apply when bees are actively visiting the crop, cover crop, or weeds blooming in the treated area. Apply this product only as specified on this label.

**PHYSICAL OR CHEMICAL HAZARDS**

Before using, read the directions contained in this leaflet 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.

**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.

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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**

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:** Metal Containers—Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved state and local procedures.

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

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

*See attached page*

FYFANON ULV is used undiluted in specially designed aircraft or ground equipment capable of applying ultra low volumes for control of the insects indicated. Aerial applications are most effective when made at a boom height of 8 feet and a swath width of 55 feet. 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 up to 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 into the air blast that produce an efficient spray particle with a mass median diameter of 40 to 100 microns. Swath widths should not exceed 55 feet. 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 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.



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

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 PN1096 (2.5K)

**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. This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agriculture Extension Service.

CROP	PESTS CONTROLLED	FLUID OUNCES PER ACRE	DAYS TO HARVEST OR GRAZING and COMMENTS	
Alfalfa	Alfalfa caterpillar	2	0 day. Apply when larvae are small.	
	Western yellow striped armyworm	2	5 days. Apply when larvae are large or when foliage is dense.	
	Alfalfa weevil larvae	15	5 days. Apply when day temperatures are expected to exceed 65°F and when 90-70% of leaves show feeding damage.	
	Belted meadowworm	6	0 day. Apply when larvae are small.	
		15	5 days. Apply when larvae are large or when foliage is dense.	
Grasshoppers	6	0 day		
Do not apply to alfalfa in bloom. Do not apply to seed alfalfa.				
Beans (ima, green, snap, Navy, red kidney, wax, dry, blackeye)	Mexican Bean Beetle Leafhoppers Green Cloverworm Japanese Beetle Lygus Bug	6	1 day	
Blueberries	Blueberry Maggot	10	0 day	
Cherries	Cherry Fruit Fly	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, corn, oats, wheat) and grasses	Cereal leaf beetle	4-6	Barley, oats wheat: 7 days. Corn: 5 days. Grasses: 0 day	
Clover, Pasture and Range Grass, Grass, Grass Hay, Non-agricultural Land (pasturelands, roadsides)	Grasshoppers	5-12	0 day. Do not apply to clover in bloom.	
Corn	Adult Corn Rootworm	4	5 days.	
Cotton	Early Season Insects (Thrips, Fleahoppers, Leafhoppers)	4-6	0 day	
	Belt Weevil	5-12		Early to midseason
		15		Late season.
	Grasshoppers	6		
	Lygus Bugs	5-12		
Very heavy migrating populations.				
Grain Crops (barley, corn, oats, rye, rice, grain sorghum and wheat)	Grasshoppers	6	7 days except corn. Corn: 5 days	

**NOTIFICATION**

CROP	PESTS CONTROLLED	FLUID OUNCES PER ACRE	INTERVAL BETWEEN LAST APPLICATION AND HARVEST
Corn Sorghum	Sorghum Moth	5-12	7 days. Apply during the bloom stage.
Peas (Northwest)	Pea Weevil	8	14 days.
Rice - Grain Form early (Louisiana, Texas)	Rice Stink Bug	8	7 days. Apply by aircraft only. Apply during milk and dough stage of growing rice.
Safflower	Grasshoppers Lygus Bugs	5	3 days of harvesting seeds.
Soybeans	Mexican Bean Beetle Grasshoppers Japanese Beetle Green Cloverworm	5	7 days of harvest or forage use.
Sugar Beets	Grasshoppers Sugar Beet Root Maggot Adults	3	3 day. 7 days. If tops are to be used for food or feed.
Nonagricultural Lands	Beet Leafhopper (on wild host plants)	3	0 day.
Beef Cattle-Feed Lots and Holding Pens	Adult flies and Mosquitoes	5-6	0 day.

**OTHER AGRICULTURAL USES**

Alfalfa, Clover, Pasture and Range Grass, Grass and Grass Hay, Grain Crops, Beans, Rice, Tomatoes and Nonagricultural Lands (wasteland): Adult mosquitoes and flies - Apply FYFANON ULV at the rate of 2 to 4 fluid ounces 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 and 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 and tomatoes, within 1 day of harvest.

**FOREST INSECTS**

Apply with aircraft equipped for ultra low volume application. Make application when air is calm and temperature is below 66°F. Do not allow spray to contact ferns, hickory and maples as injury may result. Do not spray on elms under extreme heat, drought and disease conditions.

TREE	PESTS CONTROLLED	FLUID OUNCES PER ACRE	DIRECTIONS
Boulevard Fir Tussock Spruce	Spruce Budworm	12	Apply when highest percentage of larvae are in the 5th instar.
Hemlock	Hemlock Looper	5	Apply when most larvae are in third and fourth instar.
Pines	European Pine Sawfly	10	Apply when larvae are in first or second instar or before they reach 1/2" in length.
	Saratoga Spittlebug	10	Apply when 95% of the population has become adult.
Larch	Larch Casebearer	5	Apply in spring as soon as larvae break through and begin feeding on new foliage.

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