



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 23, 2023

Edward Bockrath
Product Registration Manager
FMC Corporation
Stine Research Center
1090 Elkton Road
Newark, Delaware 19711

Subject: Registration Review Label Amendments Incorporating Mitigation from the Fish and Wildlife Services (FWS) and the National Marine Fisheries Services (NMFS) Biological Opinions on the Effects of Malathion on Endangered and Threatened Species and Designated Critical Habitat
Product Name: Fyfanon ULV AG
EPA Registration Number: 279-3540
Application Dates: 6/24/2022 and 10/21/2022
Decision Numbers: 585477 and 589916

Dear Edward Bockrath:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the FWS and NMFS' Biological Opinions on the effects of malathion on federally listed endangered and threatened species and designated critical habitat in accordance with section 7 of the Endangered Species Act (ESA) of 1973, as amended (16 U.S.C. 1531 et seq.). The Agency has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling

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before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions, please contact Carolyn Smith by phone at (202) 566-2273 or via email at smith.carolyn@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Kelly Sherman", with a long horizontal flourish extending to the right.

Kelly Sherman
Chief, Risk Management Implementation Branch 3
Pesticide Re-evaluation Division
Office of Pesticide Programs

Enclosure

FYFANON[®]

ULV-AG
INSECTICIDE

MALATHION GROUP 1B INSECTICIDE

ULTRA LOW VOLUME CONCENTRATE INSECTICIDE

ACCEPTED
08/23/2023
Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 279-3540

ACTIVE INGREDIENT:

*Malathion 96.5%

INERT INGREDIENTS: 3.5%

TOTAL 100.0%

*O,O-dimethyl phosphorodithioate of diethyl mercaptosuccinate

Contains 9.9 lbs. malathion per gallon

KEEP OUT OF REACH OF CHILDREN
CAUTION

IN CASE OF A MEDICAL EMERGENCY INVOLVING THIS PRODUCT,
CALL TOLL FREE, DAY OR NIGHT 1-800-331-3148

SEE BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND USE DIRECTIONS

EPA Reg. No. 279-3540

S EPA Est. 39578-TX-1 KH EPA Est. 39578-TX-002

GL EPA Est. 66728-GA-001

EPA Establishment Numbers (The letter before each
Establishment Number above corresponds to the first
letter in the lot number on the container label.)

NET CONTENTS _____

Sold By



FMC Corporation
2929 Walnut Street
Philadelphia, PA 19104

Product of Denmark

®Fyfanon is a trademark of FMC Corporation or an affiliate

FIRST AID	
This product is an organophosphate and is a cholinesterase inhibitor.	
IF SWALLOWED:	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 or doctor. 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 mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
IF ON SKIN OR CLOTHING:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
IF IN EYES:	Hold eye open and rinse slowly and gently with water for 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 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 1-800-331-3148 for emergency medical treatment information.	
NOTE TO PHYSICIAN: This product is a cholinesterase inhibitor. Treat symptomatically. Atropine is antidotal.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Avoid contact with eyes, skin, or clothing. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are barrier laminate, butyl rubber, nitrile rubber, and viton.

All applicators, flaggers, and other handlers must wear:

- long sleeved shirt and long pants
- shoes plus socks
- chemical resistant gloves (pilots must wear chemical-resistant gloves only when entering or exiting the aircraft)

All mixer and loaders must wear:

- long sleeved shirt and long pants
- shoes plus socks
- chemical resistant gloves
- chemical resistant apron

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

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.

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 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 the 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). The REI for each crop is listed in the directions for use associated with each crop.

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 made out of any water proof material.
- Shoes plus socks.

USER SAFETY RECOMMENDATIONS

User should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE 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.

ENGINEERING CONTROLS STATEMENTS

Pilots must use an enclosed cockpit in a manner that is consistent with the WPS for Agricultural Pesticides [40 CFR 170.240(d)(6)]. Pilots must wear the PPE required on this labeling for applicators.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

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. **Protect pollinating insects by following label directions intended to minimize drift and to reduce risk to these organisms.** Before beginning treatment, notify all registered apiarists in or near the treatment area of the date and approximate time of treatment.

Reporting Ecological Incidents: To report ecological incidents, including mortality, injury, or harm to plants and animals, call 1-800-331-3148.

This product may contaminate water through drift of spray in wind. This product has a high potential for runoff after application. Use care when applying in or to an area which is adjacent to any body of water, and do not apply when weather conditions favor drift from target area. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall-runoff.

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Fyfanon ULV AG should be stored in the original unopened container in a secure, dry place. Do not contaminate with other pesticides or fertilizers. Fyfanon ULV AG should never be heated above 55° C (131° F) and should not be stored for long periods of time at a temperature in excess of 25° C (77° F).

PESTICIDE DISPOSAL: To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local government or by industry).

CONTAINER DISPOSAL:

Refillable containers. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

Nonrefillable containers (equal to or less than 5 gallons). Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows. Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Nonrefillable containers (greater than 5 gallons). Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows. Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

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. Do not apply this product when soil is saturated, or when a storm event likely to produce runoff from the treated area is forecasted (by NOAA/National Weather Service, or other similar forecasting service) to occur within 48 hours following application.

ENDANGERED SPECIES PROTECTION REQUIREMENTS

It is a Federal offense to use any pesticide in a manner that results in an unauthorized “take” (e.g., kill or otherwise harm) of an endangered species and certain threatened species under the Endangered Species Act section 9. When using this product, you must follow the measures contained in the Endangered Species Protection Bulletin for the area in which you are applying the product. You must obtain a Bulletin no earlier than six months before using this product. To obtain Bulletins, consult <http://www.epa.gov/espp/>, call 1-844-447-3813, or email ESPP@epa.gov. You must use the Bulletin valid for the month in which you will apply the product.

Reporting Ecological Incidents: To report ecological incidents, including mortality, injury, or harm to plants and animals, call 1-800-331-3148.

PRECAUTIONS AND RESTRICTIONS

- All ULV aerial formulations other than those intended for use as a Wide Area Mosquito Adulticide must be packaged in closed mixing and loading systems.
- Do not use this product for any uses other than those specified on this label.
- Undiluted spray droplets of Fyfanon ULV AG will permanently damage automobile paint. Cars should not be sprayed. If accidental exposure does occur, the car should be washed immediately.

Pollinator Protection:

Managed pollinator protection plans are developed by states/tribes to promote communication between growers, landowners, farmers, beekeepers, pesticide users, and other pest management professionals to reduce exposure of bees to pesticides. If available, visit state plans for additional information on how to protect pollinators.

Pollinator Best Management Practices (Agricultural Uses):

Following best management practices can help reduce risk to terrestrial pollinators. Examples of best management practices include applying pesticides in the evening and at night when pollinators are not foraging and checking to confirm hive locations before spraying. For additional resources on pollinator best management practices,

visit <https://www.epa.gov/pollinator-protection/find-best-management-practices-protect-pollinators>.

Pollinator Best Management Practices (Non-Agricultural Uses):

Following best management practices can help reduce risk to terrestrial pollinators. Examples of best management practices include applying pesticides in the evening and at night when pollinators are not foraging and avoiding applications to flowering plants. For additional resources on pollinator best management practices,

visit <https://www.epa.gov/pollinator-protection/find-best-management-practices-protect-pollinators>.

Pollinator Protection, continued:

How to Report Bee Kills: It is recommended that users contact both the state lead agency and the U.S. Environmental Protection Agency to report bee kills due to pesticide application. Bee kills can be reported to EPA at beekill@epa.gov. To contact your state lead agency, see the current listing of state pesticide regulatory agencies at the National Pesticide Information Center's website: http://npic.orst.edu/reg/state_agencies.html.

Reporting Ecological Incidents: To report ecological incidents, including mortality, injury, or harm to plants and animals, call 1-800-331-3148.

RESISTANCE MANAGEMENT

For resistance management, Fyfanon ULV AG contains a Group 1B insecticide. Any insect population may contain individuals naturally resistant to Fyfanon ULV AG and other Group 1B insecticides/acaricides. The resistant individuals may dominate the insect population if this group of insecticides/acaricides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide/acaricide resistance, take the following steps:

- Rotate the use of Fyfanon ULV AG or other Group 1B insecticides/acaricides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides/acaricides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
 - o Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
 - o Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
 - o When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
 - o Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
 - o The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide/acaricides use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact FMC representatives at 1-800-331-3148.

MANDATORY SPRAY DRIFT MANAGEMENT

ULV Ground Boom Applications:

- Do not release spray at a height greater than 4 feet above the ground or crop canopy.
- Applicators must select nozzle and pressure that deliver medium or coarser droplets in accordance with American Society of Agricultural & Biological Engineers Standard 572 (ASABE S572).
- Do not apply when wind speeds exceed 10 mph at the application site.
- Do not apply during temperature inversions.

ULV Aerial Applications:

- Do not release spray at a height greater than 10 ft above the ground or vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators must select nozzle and pressure that deliver fine or coarser droplets in accordance with American Society of Agricultural & Biological Engineers Standard (ASABE S641).
- Do not apply when wind speeds exceed 15 mph at the application site. If the windspeed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters.
- Applicators must use a full swath displacement upwind at the downwind edge of the field.
- Do not apply during temperature inversions.

Additional Spray Drift Requirements

Observe the following requirements when spraying in the vicinity of aquatic areas such as, but not limited to lakes; reservoirs; rivers; permanent streams; marshes or natural ponds; estuaries and commercial fish ponds.

Buffer Zones for Ground-based ULV Application to Pasture/Rangeland:

Do not apply within 50 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, wetlands, ponds, estuaries, and commercial fish ponds). This 50-foot buffer is in addition to the full swath displacement upwind that applicators must use at the downwind edge of the field.

Buffer Zones for Aerial ULV Application:

Do not apply within 100 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, wetlands, ponds, estuaries, and commercial fish ponds). This 100-foot buffer is in addition to the full swath displacement upwind that applicators must use at the downwind edge of the field.

Do not make aerial or ground applications into areas of temperature inversions. Inversions are characterized by stable air and increasing temperatures with increasing distance above the ground. Mist or fog may indicate the presence of an inversion in humid areas. Where permissible by local regulations, the applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

Agricultural Uses

Fyfanon ULV AG is used undiluted in any specially designed aircraft or ground equipment that has been adapted and calibrated for ultra low volume spraying. Apply only when weather conditions are favorable. Wind and rising air currents may cause undesirable spray drift and reduce insect control.

CROP TABLE

Use higher rate when foliage is heavy or infestation is severe.

Crop	Pests Controlled	Fl Oz/Acre	Max. Single App. Rate (lb ai/A)	Max. # of App. Per year	Min. App. Interval (days)	Min. Pre-Harvest Interval (days)	Restricted Entry Interval (days)
Alfalfa	Alfalfa caterpillars*; Western yellow striped armyworm; Alfalfa weevil larvae**; Beet armyworms*; Grasshoppers	8	0.61	2	14	0	12 hrs
	Alfalfa Blotch Leafminer (ABL), Alfalfa Seed Chalcid	6-8	0.61	2	14	0	12 hrs
<ul style="list-style-type: none"> • Do not apply to alfalfa in bloom. • Do not apply to seed alfalfa. *Apply when larvae are small. **Apply when day temperature is expected to be above 65°F and when 50-70% of leaves show damage. 							
Barley	Cereal leaf beetles Grasshoppers	4-8 8	0.61	2	7	7	12 hrs
	Grass Sawfly; Barley Midge or Hessian Fly	6-8	0.61	2	7	7	12 hrs
Beans (dry; snap; Lima)	Mexican bean beetles; aphids; thrips; spider mites; asparagus beetles; pea weevils; leafhoppers; green clover worms; Japanese beetles; lygus bugs	8	0.61	2	7	1	12 hrs
	Bean Seed Fly (seed corn maggot adults); Whitefly ¹	6-8	0.61	2	7	1	12 hrs
<ul style="list-style-type: none"> • Do not graze or feed foliage vines/forage, straw/hay. <p>¹ Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or State agricultural authorities for details.</p>							

(continued)

Crop	Pests Controlled	Fl Oz/ Acre	Max. Single App. Rate (lb ai/A)	Max. # of App. Per year	Min. App. Interval (days)	Min. Pre- Harvest Interval (days)	Restricted Entry Interval (days)
Blueberry (high bush and low bush)	Blueberry Fruit Fly or Blueberry maggot; Blueberry Gall Midge	10	0.77	3	10	1	12 hrs
Cherries (sweet)	Apple maggot (adult); Cherry fruit flies; Pear sawfly or Cherry slug; Spotted Winged Drosophila	12-16	1.22	4	7	1	12 hrs
Cherries (tart)				6	7	1	12 hrs
<ul style="list-style-type: none"> • Apply by aircraft only. • Use higher rate when foliage is heavy or infestation is severe. • Make first application as soon as flies appear. • Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete. 							
Clover	Grasshoppers	8	0.61	4	14	0	12 hrs
	Clover seed chalcid adults; Clover seed midge adults; Landino clover seed midge	6-8	0.61	4	14	0	12 hrs
<ul style="list-style-type: none"> • Do not apply to clover in bloom. 							
Corn (field)	Cereal Leaf Beetles, Adult Corn Rootworms, Grasshoppers	4-8 4 8	0.61	2	7	7	3 days for detassling; 12 hrs for all other activities
	Cereal Leaf Beetles, Adult Corn Rootworms, Grasshoppers	4-8 4 8	0.61	3	5	5	3 days for detassling; 12 hrs for all other activities
	Seed Corn Maggot adults; Corn Silk Fly	6-8	0.61	3	5	5	12 hrs

(continued)

Crop	Pests Controlled	Fl Oz/Acre	Max. Single App. Rate (lb ai/A)	Max. # of App. Per year	Min. App. Interval (days)	Min. Pre-Harvest Interval (days)	Restricted Entry Interval (days)
Cotton	Early season insects; thrips; fleahoppers; leafhoppers	4-8	1.22	2	7	7	2 days
	grasshoppers	8					
	lygus bugs*	8-16					
	Boll Weevils ¹	8-16	1.22	2	7	7	
	Whitefly ²	8-16	1.22	2	7	7	2 days
<p>*Use highest rate for very heavy migrating population.</p> <p>¹ For use on cotton: Fyfanon ULV can be used alone as a Fyfanon ULV concentrate spray or diluted in once-refined cottonseed or vegetable oil sufficient to make at least one quart of finished spray per acre.</p> <p>² Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or State agricultural authorities for details</p>							
Grasses, Bermuda	Grasshoppers	12	0.92	4	14	0	12 hrs
	Crane Fly adult; Frit Fly	6-8	0.61	4	14	0	12 hrs
Oats	Cereal leaf beetles; Grasshoppers	4-8 8	0.61	2	7	7	12 hrs
	Frit Fly	6-8	0.61	2	7	7	12 hrs
Pasture and Rangeland	Grasshoppers	8-12	0.92	2	30	0	12 hrs
	Biting gnats/midges; Black fly; Black blow fly; Blue blow fly; Bluestem midge; Crane Fly adult; Deer fly; Face fly; Green bottle fly; Heel fly; Horn fly; Horse fly; Screwworm, Secondary screw-worm; Stable fly	6-8	0.61	2	30	0	12 hrs
<ul style="list-style-type: none"> • Pasture: Limit use to 2 applications per year and a 30-day retreatment interval. • Rangeland: Outside of government programs, limit use to spot treatment only for grasshoppers and mosquito/fly control. • Do not apply within 50 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, wetlands, ponds, estuaries, and commercial fish ponds). This 50-foot buffer is in addition to the full swath displacement upwind that applicators must use at the downwind edge of the field. 							

(continued)

Crop	Pests Controlled	Fl Oz/ Acre	Max. Single App. Rate (lb ai/A)	Max. # of App. Per year	Min. App. Interval (days)	Min. Pre- Harvest Interval (days)	Restricted Entry Interval (days)
Rice Rice (wild)	Rice stink bugs	8	0.61	2	7	7	12 hrs
	Rice seed midge; Rice Leafminer; South American Leafminer	6-8	0.61	2	7	7	12 hrs
<p>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.</p> <ul style="list-style-type: none"> • A 24-hour holding time is required before floodwaters may be released after treatment to rice. 							
Rye	Grasshoppers	8	0.61	1	N/A	7	12 hrs
	Hessian Fly	6-8	0.61	1	N/A	7	12 hrs
Sorghum	Grasshoppers	8	0.61	2	7	7	12 hrs
	Sorghum midge	6-8	0.61	2	7	7	12 hrs
<ul style="list-style-type: none"> • Do not graze or feed grain sorghum forage, fodder/stover, or hay. 							
Wheat (Spring and Winter)	Cereal leaf beetles; Grasshoppers	4-8 8	0.61	2	7	7	12 hrs
	Grass Sawfly; Hessian Fly; Wheat Midge or Orange Wheat Blossom Midge	6-8	0.61	2	7	7	12 hrs

On Rangeland, Pasture, and Other Uncultivated Non-Agricultural Areas (wastelands and roadsides) to control: Biting gnats/midges; Black fly; Black blow fly; Blue blow fly; Bluestem midge; Crane Fly adult; Deer fly; Face fly; Green bottle fly; Heel fly; Horn fly; Horse fly; Screwworm, Secondary Screwworm; Stable Fly

Precaution: Remove domestic livestock before application.

Apply Fyfanon ULV AG at the rate of 2 to 4 fluid ounces per acre for control of adult flies. Application may be made via ground or aerial equipment and may be repeated as necessary.

Fyfanon ULV AG can be mixed with a synergized pyrethrin emulsifiable concentrate (6% pyrethrin + 60% PBO) in accordance with the most restrictive of label limitations and precautions indicated on both this and the tank-mixed product. Label rates must not be exceeded. This product may not be mixed with any product bearing a label which specifically prohibits such mixing. Prior to tank mixing large quantities, mix a small amount in a glass jar to verify that the products are physically compatible.

A tank mix of these may be prepared as follows:

Component	Low to moderate density insect populations, low to moderate vegetation	Higher density insect populations, higher density vegetation
Fyfanon ULV AG	107 fl oz	117 fl oz
Synergized pyrethrin (6%/ 60%)	21 fl oz	11 fl oz

Depending upon your operational needs for knock-down, the amount of synergized pyrethrin can be reduced or adjusted. Application rates of Fyfanon ULV AG and droplet distribution requirements remain the same as for Fyfanon ULV AG used alone.

USE OF FYFANON ULV AG IN FEDERAL, STATE, TRIBAL OR LOCAL GOVERNMENT PROGRAMS

Restriction: For use only by federal, state, tribal or local government officials responsible for insect control or by persons certified in the appropriate category or otherwise authorized by the state or tribal lead pesticide regulatory Agency to perform grasshopper/Mormon Cricket, Beet Leafhopper or Boll Weevil control applications, or by persons under their supervision, or as allowed by state regulations for persons treating private property.

**California Department of Food & Agriculture
Beet Curly Top Virus Control Program**

USE DIRECTIONS:

Non-Agricultural Use Sites	Pests Controlled	Fl Oz/Acre	Max. Single App. Rate (lb ai/A)
Non-agricultural rights-of-ways/fencerows --and-- Non-agricultural uncultivated areas/soil	Beet leafhopper	8-12	0.61-0.928

PRECAUTIONS AND RESTRICTIONS FOR APPLICATIONS TO CONTROL BEET LEAFHOPPERS:

- For Use Only on Non Agricultural Use Sites in California to Control Beet Leafhopper
- Not for use in residential areas

**USDA Rate Specification on Cotton for BWE Program
For Use Only Under the US Boll Weevil Eradication Program**

Use Directions

Crop	Pest	Fl Oz/A	Maximum number of Applications per year	Minimum Application Interval (days)	Minimum Pre-Harvest Interval (days)	Restricted Entry Interval (hours)	Comments
Cotton	Boll Weevils	8-16	25	3	0	24	Early to midseason
		16					Late season

PRECAUTIONS AND RESTRICTIONS FOR APPLICATION TO COTTON TO CONTROL BOLL WEEVIL

Treatment supervisors and applicators must be aware of all sensitive areas near cotton fields, including: schools, hospitals, nursing homes, churches, occupied dwellings, parks, recreation areas, bodies of water, and potential habitat for threatened and endangered species.

For aerial applications, spray equipment must be adjusted so that the volume median diameter is 100 microns ($Dv\ 0.5 = 100\mu m$) or greater. The effects of flight speed, nozzle angle and type, and pump pressure on the droplet size spectrum must be considered.

Spray should be released at the lowest height consistent with pest control and flight safety.

Global positioning systems (GPS) should be used to guide pilots and to monitor each application.

Ground equipment should utilize a controlled air flow to facilitate particle size and spray deposition, and should be used at a vehicle speed of 4 to 10 mph. Spray equipment must be adjusted so that the volume median diameter is 100 microns ($Dv\ 0.5 = 100\mu m$) or greater.

Ground equipment should be used to treat field edges when possible, covering areas that cannot be treated effectively with aircraft because of obstructions which may affect applicator safety, or where there is boll weevil over-wintering habitat adjacent to the treatment area, or if there are adjacent sensitive areas.

Treatments should be applied when winds are calm or moving away from adjacent sensitive areas.

When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for his displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind.

Do not make aerial or ground applications into 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.

Applications will not be made when people are in or near infested cotton fields or, to the degree possible, when people are present in or near adjacent sensitive areas.

Application will not be made when rainfall is imminent.

FMC does not recommend that application be made to wet foliage.

Before beginning treatment, program personnel shall notify all registered apiarists in or near the treatment area of the date and approximate time of treatment.

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