



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

October 16, 1997

Joanne C. Striebich
Registration and Labeling Specialist
Regulatory Affairs
Wilbur-Ellis Company
191 W. Shaw Avenue
Suite 107
Fresno, CA 93704-2876

Dear Ms. Striebich:

Subject: Confidential Statement of Formula and Label revisions.

The Agency has reviewed your submission of the Confidential Statement of Formula dated April 3, 1997 for the Ethyl-Methyl Parathion 6-3 Spray formulation, and the following comments apply:

- 1) Amend the source of methyl parathion from "4787-4" to "4787-28".
- 2) The addition of valeric acid is not necessary for this Ethyl-Methyl Parathion formulation. Only the methyl parathion product formulations are required to add valeric acid.

Please submit a new Confidential Statement of Formula, incorporating the changes indicated above.

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following provisions:

- 1) Include the following text below the statement "Can Cause Death":

CAN KILL YOU IF SWALLOWED: This product can kill you if swallowed even in small amounts; spray mist may be fatal if swallowed.

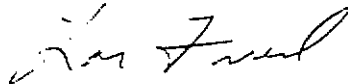
CAN KILL YOU BY SKIN CONTACT: This product can kill you if touched by hands or spilled or splashed on skin, in eyes or on clothing (liquid goes through clothes).

CAN KILL YOU IF BREATHED: This product can kill you if vapor, spray mist are breathed.

- 2) Replace the "CONTAINER DISPOSAL:..." statement with the following "CONTAINER DISPOSAL: Returnable/Refillable Sealed Container. Do not break seals or add any material to the container. Do not rinse container or empty any residue from container. This container must be returned intact after use to the point of purchase."

A stamped copy is enclosed for your records. Please submit one (1) final printed copy for the referenced label, incorporating the above changes, before releasing the product for shipment.

Sincerely yours,



Lawrence Fried
Biologist
Insecticide-Rodenticide Branch
Registration Division (7505C)

Enclosure

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, registered...

RESTRICTED USE PESTICIDE Due to very high acute toxicity to Humans and Birds...



ETHYL-METHYL PARATHION 6-3 SPRAY ORGANOPHOSPHATE

For use only on alfalfa, barley, canola, corn, cotton, sorghum, soybeans, sunflowers, and wheat.

Table with 2 columns: Pesticide Name and Percentage. Includes Ethyl parathion (65.58%), Methyl parathion (34.42%), and Total (100.00%).

EPA Reg. No. 2895-482 EPA Est. 3891-AZ-1

STOP - READ LABEL BEFORE USING. KEEP OUT OF REACH OF CHILDREN

DANGER PELIGRO POISON VENENO



Can Cause Death

Add Copy A STATEMENT OF PRACTICAL TREATMENT

See additional PRECAUTIONARY STATEMENTS on this panel. FIRST AID TREATMENT: Call a doctor (physician), clinic or hospital immediately...

Manufactured For: WILBUR-ELLIS COMPANY P.O. Box 16468 • Fresno, CA 93755

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Persons who swallow, inhale, or absorb through skin or eyes. Rapidly absorbed through skin. Do not breathe vapor. Do not get eyes or skin wet...

PERSONAL PROTECTIVE EQUIPMENT

Wear protective suit as directed. Do not eat, drink, or smoke while working. Use eye protection. Do not use if you are pregnant or nursing...

USER SAFETY REQUIREMENTS

Users must: A) Provide mechanical exhaust ventilation. B) Provide hand and foot protection. C) Provide eye protection. D) Provide respiratory protection...

USER SAFETY RECOMMENDATIONS

Users should: A) Not use near water. B) Stop work and get help right away if you feel sick. C) Wash hands thoroughly. D) Wash face and neck. E) Wash clothes separately...

POISON SIGNS (SYMPTOMS)

Parathion is a very dangerous poison. If swayed, the body on contact with all skin surfaces and eyes. Choking with wet the material must be removed immediately...

NOTE TO PHYSICIAN

ANTIDOTE: Atropine is the antidote for parathion. It is given intravenously or subcutaneously at 2 mg per 50 lbs of body weight...

ENVIRONMENTAL HAZARDS

The pesticide is toxic to fish and aquatic life. Do not apply to water bodies. Do not apply to areas where surface water may be present...

PHYSICAL OR CHEMICAL HAZARDS

Do not use in open heat or open flame.

INSECTICIDES

With COMMENTS In EPA Letter Dated 10-16-97

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under FIFRA, No. 2935-482

Use of this product in a manner inconsistent with its labeling is prohibited. For any requirements specific to this pesticide, consult the agency responsible for pesticide regulation.

APPLICATION RESTRICTIONS: Aerial Application: Only when conditions are such that the spray will not drift to adjacent areas...

RESTRICTIONS ON ENTRY TO TREATED AREAS: Do not enter the treated area until the spray has dried. Do not enter the treated area until the spray has dried...

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with the labeling and with the Worker Protection Standard (WPS)...

RESTRICTIONS ON ENTRY TO TREATED AREAS: Do not enter the treated area until the spray has dried. Do not enter the treated area until the spray has dried...

PERSONAL PROTECTIVE EQUIPMENT FOR EARLY ENTRY: PPE required for early entry to treated areas...

NOTIFICATION TO FARM OWNER/OPERATOR: A checked professional applicator must fill out this notification...

PROTECTION OF APPLICATORS, MIXER-LOADERS, AND MAINTENANCE PERSONNEL: Applicable Pesticides: In the case of the applicator, mixer-loader, or maintenance personnel...

Do not use in open heat or open flame. Do not use in areas where surface water may be present...

(continued on next page)

ETHYL-METHYL PARATHION 6-3 SPRAY (continued)

Shut-off devices must be installed on the exit end of all hoses and at all disconnect points to prevent leakage of parathion when the tractor is stopped and the hose is removed or disconnected. If a hose carries parathion concentrate and has not been rinsed in accordance with the instructions in this section, a dry-couple shut-off device that will minimize parathion drip to not more than 2 ml per disconnect must be installed at the disconnect point. If the hose carries diluted parathion or rinsate solution, a rinsing action pump or a similar system that will empty the hose and electric discharge of liquid from the end of the hose may be used as an alternative to a shut-off device. In muzzling operations do not pour this product from its container. Before opening the container, make sure that the container is resting securely on the ground or a sturdy support, with the top (opening) end up and approximately level.

Remove the product from the container only by use of a vacuum-producing pump system connected to a probe system that is listed by the State of California under the state's program of closed-system handling of Toxicity Category I pesticides. Examples of California-listed systems are the Chem-Tec Model M system sold by Chem-Tec, Inc., P.O. Box 2174, Salinas, CA 95062, telephone 408-427-5477 or the Pro-Tec-O-Loader Model XL-1 system by Pro-Tec Mfg. Co., 20189 Farnock Road, Bond, OR 97711, telephone 503-342-6666. The probe system shall be inserted into the intended opening in the top of the container to form a weathertight connection, using appropriate adapters provided by the probe manufacturer. The entire system must be used in accordance with the instructions that are provided, except that a removable probe may not be removed from the container until the container is empty and the container and probe have been thoroughly rinsed as required by this section.

The closed-system must provide for adequate rinsing of any removable probe and of all containers that are not labeled for return to the registrant. Rinsing must be done using a liquid that contains no pesticide. The rinsing system must be capable of spraying the inner surface of the container. The rinse solution shall be removed from the pesticide container concurrent with the introduction of the rinse medium. The rinse solution shall go into the pesticide mix tank or applicator vehicle via the closed system.

The system shall be rinsed according to the specifications of the manufacturer of the probe system, or, in the absence of such specifications, by moving at least one-half of the container volume through the system. A maximum pressure of 15 PSI shall be used for the spray rinse. Parathion containers shall be protected against excessive pressure during the container rinse operations. Measurers shall be taken to prevent the spray rinse procedure from causing an increase in pressure on the inside of the container walls of more than 5 psi.

Either the operator of the closed system must have available at the time of operation a complete set of written instructions for proper operation of the system, or the certified applicator must document in writing before an operator uses the closed system that the operator has been adequately trained in the proper operation of the system.

A telephone notification must be made if mixing, loading, or use of a product containing parathion results in inadvertent or unexpected human exposure to the product or illness resulting from exposure to the product, spill of the product, an investigation by Federal, State or local authorities of allegations involving spill of the product, or the deaths of birds or other wildlife. The certified applicator or the owner of the treated land must notify by telephone the Civil Compliance Branch, Office of Compliance Monitoring, U.S. EPA, at 202-260-3375 within seven days of becoming aware of the incident.

INCIDENT REPORTING

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL. Store in a dry location away from children, animals, food, feeds, seeds, and other agricultural chemicals. Keep container closed when not being used. Do not allow water into container as this may cause chemical reaction. Do not store under conditions where temperature may exceed 120 F or below 45 F. Keep storage area locked when not in use. In the event of spillage or leakage, soak up material with absorbent dry, inert, sand, or other absorbent material while wearing appropriate protective equipment. Scrape up and dispose of in accordance with information on the label. PESTICIDE DISPOSAL. In case of fire or other emergency, report at once by toll-free telephone to CHEMTREC: 800-424-9300.

DISPOSAL

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of acute pesticides, spray mixtures, or mixtures in violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. 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 procedures approved by state and local authorities.

GENERAL INFORMATION

Mix Ethyl-Methyl Parathion 6-3 Spray in water to form an emulsion spray solution. To make the spray solution, fill the spray tank half full with water, agitate, add the proper amount of Ethyl-Methyl Parathion 6-3 Spray and then fill the spray tank with water while still agitating. Continue to agitate during use.

Aircraft should apply the recommended amount of Ethyl-Methyl Parathion 6-3 Spray in not less than 1 gallon of water per acre. Always use sufficient water for adequate coverage of the crop foliage.

Where a dosage range is given, use the lower rate on small or young plants or with light insect infestations. Use the higher rate on mature plants or with heavy insect infestation.

The amounts given to use are the amounts of Ethyl-Methyl Parathion 6-3 Spray to apply per acre per application. The hazards and precautions for handling Ethyl-Methyl Parathion 6-3 Spray are equally applicable to it after dilution with water for spray application.

ALFALFA: For three-cornered alfalfa hoppers, alfalfa caterpillars, and spittle bugs, use 1/4 to 2/3 pint per acre. For aphids, alfalfa woolly aches and adult weevils, armyworms up to third instar, clover leaf weevils, climbing cutworms, webworms, grasshoppers, cicadas, spotted alfalfa aphids, leafhoppers, lygus bugs, thrips, and locust beetles, use 1/4 to 2/3 pint per acre. For alfalfa seed chalcids, control on alfalfa greens for seed, use 1/4 to 2/3 pint per acre. California and Nevada registered for use on alfalfa seed chalcids on alfalfa greens for seed, use 1/4 to 2/3 pint per acre. For leaf weevils, spittle bugs, alfalfa leafhoppers, alfalfa root weevils, alfalfa root weevils, and grasshoppers, use 2/3 pint per acre. For leaf armyworms and corn earworms use 2/3 pint per acre. Do not spray alfalfa during bloom period to avoid injury to honey bees. Do not apply within 15 days of harvest, cutting or forage use. Do not apply if the crop or woods in the treatment area are in bloom. The restricted-entry interval is 3 days.

CANOLA/RAPSE (OILSEED VARIETIES ONLY): For control of Cabbage Seed Pod Weevils, Aphids, Diamondback Moth Larvae, and Flea Beetles, apply 2/3 pint of Ethyl-Methyl Parathion 6-3 Spray per acre per application, in sufficient water for good coverage (3 to 10 gallons of water per acre). Apply when damaging populations are present. For control of Cabbage Seed Pod Weevil (*Callosobruchus maculatus*), treat when two or more Cabbage Seed Pod Weevils are found per plant in young plants. For control of Aphids, treat alfalfa and young green areas when insect populations reach economic thresholds. For control of Flea Beetles, treat in early season when significant evidence of infestation by the adults becomes evident on those seedlings. For control of Diamondback Moth Larvae, treat alfalfa mid-growing season when populations reach economic thresholds and there is evidence of appreciable feeding beginning on rape flowers and/or pods. A second application may be made if necessary. To protect pollinators apply only in the evening or early morning (this includes a period from 3 hours before sunset and 3 hours after sunrise on the following day). Prohibit grazing of 28 days; do not feed within 28 days of harvest. DO NOT graze treated fields or feed treated forage of ruminants to livestock. The restricted-entry interval is 3 days.

CORN: For control of European corn borers, use 3/5 pint per acre. Apply the first spray when 75% of the corn plants show stalk-hole feeding and follow with two additional sprays at 5- to 7-day intervals. Use sufficient water per acre to provide complete coverage and be certain wheat or plants are well irrigated. For corn leaf aphids, use 1/4 pint per acre. For fall armyworms, corn rootworm adults, armyworms up to third instar, climbing cutworms, grasshoppers and Japanese beetles, use 1/2 pint per acre. To control stalk bugs and spittle bugs, use 3/4 pint per acre. To control corn earworms, use 2/3 pint per acre and apply to silks as soon as they appear. Make 3 to 4 applications at 2- to 3-day intervals as infestation warrants. Re-apply immediately after rain. To control chinch bugs, use 3/4 pint per acre. Do not apply within 12 days of harvest, cutting or forage use. The restricted-entry interval is 3 days.

CORN (Sweet): To control fall armyworms, aphids and spittle bugs, use 1/4 pint per acre. To control sap beetles and spider mites, use 1/2 pint per acre. To control corn earworms apply 3/4 pint per acre to silks as soon as they appear. Make 3 to 4 applications at 2- to 3-day intervals as infestation warrants. Re-apply immediately after rain. To control chinch bugs, use 3/4 pint per acre. If crop is intended for canning, consult your state health department for regulations. Do not apply within 12 days of harvest. The restricted-entry interval is 3 days.

COTTON: To control aphids, mites, cotton leafworms, cotton fleahoppers, garden webworms and thrips, use 1/2 pint per acre. For cabbage loopers, use 3/4 to 1 pint per acre. For boll weevils and stink bugs, use 2/3 to 1-1/2 pint per acre. For salt-marsh caterpillars, use 1 pint per

acre. For borers, cotton leaf perforators, Lygus bugs, false chinch bugs, serpentine leaf miners and southern garden fleahoppers use 1/2 pint per acre. Make first application when insects appear and repeat at 7-day intervals if required. If desired, this formulation may be combined with other insecticides in a complete cotton spray program. Do not feed cotton bolls to dairy animals or animals being fattened for slaughter within 15 days of application. Do not harvest within 7 days of application. The restricted-entry interval is 3 days.

SMALL GRAINS (WHEAT, BARLEY): To control armyworms up to third instar, aphids (greenbugs) and winter grain mites, use 1/3 pint per acre. For thrips, use 1/3 pint per acre. For Say's plant bugs, use 1/2 to 3/4 pint per acre. For black grass bugs, stink bugs, white spider mites, leafhoppers, climbing cutworms, grasshoppers and brown wheat mites, use 1/2 to 3/4 pint per acre. For chinch bugs, false chinch bugs and Guava grass mites, use 1 pint per acre. Do not apply within 15 days of harvest, cutting, or forage use. The restricted-entry interval is 3 days.

SORGHUM: To control sorghum midge, apply at a rate of 2/3 pint per acre. Make 2 applications 3 to 5 days apart when approximately 90% of the heads have completely emerged from the boot or not later than start of blooming. For aphids (greenbugs) and mites, use 1/3 pint per acre. For sorghum webworms, fall armyworms, armyworms up to third instar and corn earworms use 1/3 pint per acre. Leaf injury may occur on some hybrid varieties of sorghum. Spray a few rows a week or so before booting to test effects on plants. Do not apply within 12 days of harvest, cutting or forage use. The restricted-entry interval is 3 days.

SOYBEANS: To control weevils, use 7/8 pint per acre. To control velvet bean caterpillars, green cloverworms, two-spotted mites and stink bugs, use 2/3 pint per acre. Do not apply later than 30 days before harvest. The restricted-entry interval is 3 days.

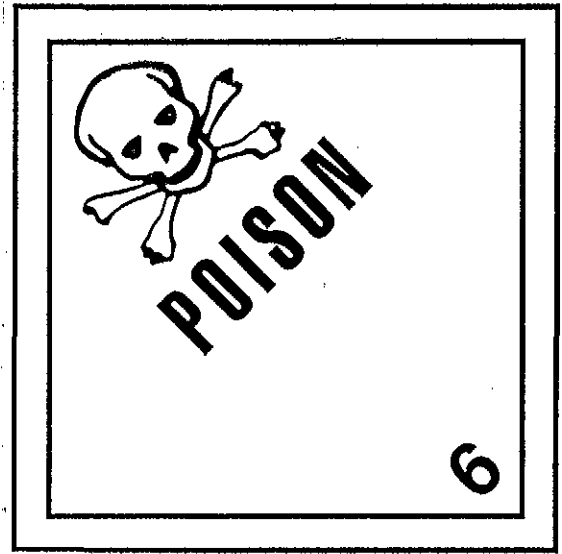
SUNFLOWERS: To control sunflower moths, use 7/8 pint per acre on a schedule of 2 to 3 applications at 5-day intervals. Hybrid sunflowers completely bloom in 12 to 15 days; the final application should be made when 10-20% of the plants have begun to flower and moths and young larvae are present. Do not apply later than 30 days before harvest. The restricted-entry interval is 3 days.

NOTICE: The statements made on this label are believed to be true and accurate, but because of conditions of use which are beyond our control, WILBUR-ELLIS COMPANY does not make, nor does it authorize any agent or representative to make, any warranty, guarantee or representation, expressed or implied, concerning this material or the use thereof, except in conformity with the statements on the label. Neither WILBUR-ELLIS COMPANY nor the seller shall be held responsible in any manner for any personal injury or property damage or loss resulting to the buyer or to the other person from handling, storage or use of this material, not in accordance with directions. The buyer assumes all risk and liability resulting from improper handling, storage or use and accepts and sees this material on these conditions.

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F-1095

IN CASE OF EMERGENCY,
CALL CHEMTREC: (800) 424-9300



RQ, PARATHION MIXTURE
NA 2783

Add Copy C

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6

INSECTICIDES

COPY A

SPECIAL INSTRUCTIONS FOR RESTRICTED USE PESTICIDE RETAILERS: In addition to any other required records, restricted use pesticide retailers must record at the time of sale, the unique container identification number on this label or container and the identity of the purchaser of the container.

COPY B

REMOVAL OF PRODUCT FROM CONTAINER: This container is fitted with the MICRO MATIC 'DV' liquid transfer valve system. To remove product, use the MICRO MATIC coupler attachment, which is available from the seller of this container. The directions below must be followed:

TO CONNECT COUPLER:

1. Attach pump hose to chemical pump.
2. Attach pump hose to coupler.
3. With coupler handle in disengaged position, insert coupler straight down into the drum valve, ensuring that the pins on the coupler align with the slots on the valve.
4. Turn coupler handle clockwise a quarter turn, until it locks into place.
5. Push down coupler handle to engage, ensuring that the lock bar clicks into place.

TO DISCONNECT COUPLER:

1. Press down on coupler and disconnect the lock bar. Allow coupler handle to raise to its disengaged position.
2. Turn coupler handle counterclockwise a quarter turn. Lift coupler straight up.

If you have any questions or need assistance, please call your Distributor or 1-800-548-6113

COPY C

UNIQUE IDENTIFICATION NUMBER
OR
BAR CODE