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File



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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Barbara Brown
DREXEL CHEMICAL CO.
P. O. Box 9306
Memphis, TN 38109

Subject: Label Amendment Submission of 11/08/93 in Response to PR Notice 93-7
EPA Reg. No. 19713-281
DREXEL METHYL PARATHION 4

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

1/5/18

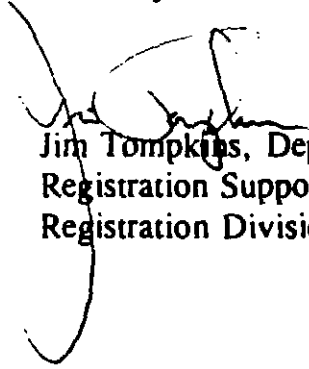
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

Barbara Brown
DREXEL CHEMICAL CO
BOX 9306
MEMPHIS TN 38109

Comment for: EPA Reg Nr.19713-281
DREXEL METHYL PARATHION 4

The following specific comments pertain to your WPS labeling submission concerning the product cited above:

Add the following User Safety Recommendation to the label in the location shown in Section A on Part I of the Product Worksheet in Supplement Three-A to PR Notice 93-7: "Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet."

Add the following User Safety Recommendation to the label in the location shown in Section A on Part 1 of the Product Worksheet in Supplement Three-A to PR Notice 93-7: "Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing."

Add the following User Safety Recommendation to the label in the location shown in Section A on Part I of the Product Worksheet in Supplement Three-A to PR Notice 93-7: "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."

The respirator requirement for "applicators and other handlers" in the Personal Protective Equipment" section on your proposed labeling is missing or incorrect. Remove the incorrect requirement (if any) and add "For exposures outdoors, dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C). For exposures in enclosed areas, a respirator with either an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G)." The exact location is shown in Sections A and B on Part I of the product Worksheet in Supplement Three-A to PR Notice 93-7.

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DREXEL CHEMICAL CO
EPA Reg. Number: 19713-281
DREXEL METHYL PARATHION 4
Application date: 11/08/93
Original Submission

Remove the statement "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." from its current position within the Agricultural Use Box and place it above the Agricultural Use Box.

You have incorrect wording in the second-to-last sentence in the first paragraph in the Agricultural Use Requirements box on your proposed label. The sentence must be as follows: "It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers and restricted-entry interval."

Correct the typographical errors circled on your proposed label.

RESTRICTED USE PESTICIDE

Due to very high acute toxicity to Humans and Birds. For retail sale to and use only by certified applicators or persons under their direct supervision and only for those uses covered by the certified applicator's certification. Direct supervision for this product is defined as the certified applicator being physically present during application, mixing, loading, repair and cleaning of application equipment. Commercial certified applicators must also ensure that all persons involved in these activities are informed of the precautionary statements.

DREXEL

METHYL PARATHION 4E

Emulsifiable insecticide for controlling certain insects on the listed field and forage crops. **NOT FOR HOME USE.** See label supplement for use directions on additional field and forage crops, fruit, oil seed, vegetables, forest and non-crop lands.

ACTIVE INGREDIENTS:

O,O-Dimethyl-O-4-nitrophenyl phosphorothioate*	43.1
Related Compounds	1.7
INERT INGREDIENTS:**	55.2

*Otherwise known as "Methyl Parathion"

**Contains Xylene Range Aromatic Solvents

COMBUSTIBLE: Do not store or use near heat or open flame. In case of fire, use water spray, foam, dry chemical or CO2.

KEEP OUT OF REACH OF CHILDREN

DANGER

POISON

CAN CAUSE DEATH

~~PRECAUCION-AL-ESVARIO-Si-usted-no-lee-ingles-no-use-este producto-hasta-que-la-etiqueta-le-haya-sido-explicado ampliamente-Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail).~~

STATEMENT OF PRACTICAL TREATMENT

Call doctor (physician), clinic or hospital immediately. Explain that victim has been exposed to methyl parathion and describe his condition. Move the patient immediately from the area where methyl parathion is present.

IF BREATHING HAS STOPPED, start artificial respiration immediately and maintain until doctor sees victim.

IF SWALLOWED and victim is awake (conscious) make him vomit quickly. Have victim drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Have victim lie down and keep quiet. Get medical attention.

IF SPLASHED IN EYES, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately.

~~**IF SPLASHED ON SKIN,** immediately remove contaminated clothing, including shoes and wash with soap and plenty of water. See doctor immediately.~~ Methyl Parathion is an organophosphate insecticide/miticide.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND ANTIDOTE.

ACCEPTED with COMMENTS by EPA Letter Dated 2 4 1984
 Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 17913-281

BEST AVAILABLE COPY

MANUFACTURED BY: DREXEL CHEMICAL COMPANY
P. O. BOX 9306
MEMPHIS, TN 38190

EPA NO. 19713-281
NOVEMBER 04, 1993

EPA NO. 19713-MS-1

Note To Physician: Antidote - Administer atropine sulfate in large doses, TWO to FOUR mg. intravenously or intramuscularly as soon as cyanosis is overcome. Repeat at 5 to 15 minute intervals until signs of atropinization appears. 2-PAM chloride is also antidotal and may be administered in conjunction with atropine. DO NOT GIVE MORPHINE OR TRANQUILIZERS. Parathion is a strong cholinesterase inhibitor affecting the central peripheral nervous system and producing cardiac and respirator depression. At first sign of pulmonary edema, the patient should be given supplemental oxygen and treated systematically. Continued absorption of the poison may occur and fatal relapses have been reported after initial improvement. VERY CLOSE SUPERVISION OF PATIENT IS INDICATED FOR AT LEAST 48 HOURS.

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PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

DANGER: Fatal if swallowed, inhaled or absorbed through the skin. Do not breathe vapor or spray mist. Do not get in eyes, on skin, or on clothing. ~~Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.~~

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 G on an EPA chemical resistant category selection chart

Applicators and other handlers must wear:

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves, such as Barrier Laminate or Viton
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant apron when cleaning equipment, mixing or loading

For exposure outdoors, dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C.

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/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.

The National Pesticide Telecommunication Network is available for recommendations regarding poisoning management, emergency treatment and other information regarding the toxicity of methyl parathion. The toll free number for the National Pesticide Telecommunication Network is 1-800-858-7378.

If handled indoors provide mechanical exhaust ventilation. Keep all unprotected persons, children, livestock and pets away from treated area or where there is danger of drift. Do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get help right away, See First Aid (Practical Treatment) section.

POISON SIGNS (SYMPTOMS)

Methyl Parathion is a very dangerous poison. It rapidly enters the body on contact with all skin surfaces and eyes. Clothing wet with this material must be removed immediately. Exposed persons must receive prompt medical treatment or they may die. Some signs and symptoms of poisoning are: headache, nausea, vomiting, cramps, weakness, blurred vision, pin-point pupils, tightness in chest, labored breathing, nervousness, sweating, watering of eyes, drooling or frothing of mouth and nose, muscle spasms and coma

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to aquatic invertebrates and wildlife. Birds in treated areas may be killed. Shrimp and other aquatic organisms may be killed at recommended application rates. 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. Runoff and drift from target areas may be hazardous to aquatic organisms in adjacent aquatic sites. Do not contaminate water by disposal of equipment washwaters.

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.

WORK-SAFETY-RULES

HANDLE-~~THE-CONCENTRATE-ONLY-WHEN-WEARING-THE-FOLLOWING-PROTECTIVE~~
~~CLOTHING-AND-EQUIPMENT:-Wear-a-protective-suit-of-one-or-two~~
~~pieces-that-covers-all-parts-of-the-body-except-the-head,-hands~~
~~and-feet.-Wear-chemical-resistant-gloves,-chemical-resistant~~
~~apron,-and-chemical-resistant-shoes,-shoe-coverings,-or-boots.~~
~~Wear-goggles-or-a-face-shield.-Wear-a-pesticide-respirator~~
~~approved-by-the-National-Institute-for-Occupational-Safety-and~~
~~Health-under-the-provisions-of-30-CFR-Part-II.~~
USE-ONLY-WHEN-WEARING-THE-FOLLOWING-PROTECTIVE-CLOTHING-AND
EQUIPMENT-DURING-MIXING/LOADING,-APPLICATION,-REPAIR-AND-CLEANING
OF-APPLICATION-EQUIPMENT,-DISPOSAL-OF-PESTICIDE-AND-EARLY-REENTRY

INTO-TREATED-AREAS:- Protective-suit-of-one-or-two-pieces-covering all-parts-of-the-body-except-the-head,-hands-and-feet,-chemical resistant-gloves,-chemical-resistant-shoes-(or-chemical-resistant shoe-coverings-or-chemical-resistant-boots)-,-goggles-or-face shield,-hood-or-wide-brimmed-hat,-NIOSH-approved-respirator. **IF-MIXING/LOADING-IS-PERFORMED-USING-A-CLOSED-SYSTEM,-THE FOLLOWING-PROTECTIVE-CLOTHING-AND-EQUIPMENT-MAY-BE-WORN-AS-AN ALTERNATIVE:-** long-sleeved-shirt,-long-legged-pants,-chemical resistant-gloves,-chemical-resistant-apron,-shoes-and-socks. Goggles-or-face-shield-must-be-worn-when-the-system-is-under pressure.-All-other-protective-clothing-and-equipment-required for-use-with-open-systems-must-be-available-nearby. **IF-APPLICATION-IS-PERFORMED-USING-AN-ENCLOSED-CAB-OR-COCKPIT,-THE FOLLOWING-PROTECTIVE-CLOTHING-AND-EQUIPMENT-MAY-BE-WORN-AS-AN ALTERNATIVE:-** long-sleeved-shirt-and-long-legged-pants,-shoes-and socks.-Chemical-resistant-gloves-must-be-available-in-the-cab-or cockpit-and-must-be-worn-during-entry-to-and-exit-from-the application-vehicle.-All-other-protective-clothing-and-equipment required-for-use-during-application-must-be-available-in-the-cab and-must-be-worn-when-exiting-the-cab-into-treated-area.-When used-for-this-purpose,-contaminated-clothing-may-not-be-brought back-into-the-cab-unless-in-an-enclosure-such-as-a-plastic-bag. **REMEMBER---THIS-CLOTHING-IS-INADEQUATE-TO-PROTECT-YOU-DURING REPAIR-AND-CLEANING-OF-APPLICATION-EQUIPMENT-AND-EARLY-REENTRY-TO TREATED-AREA!-REFER-TO-PROTECTIVE-CLOTHING-AND-EQUIPMENT REQUIREMENTS-ABOVE-**

IMPORTANT!-if-pesticide-comes-in-contact-with-skin,-wash-off-with soap-and-water-and-contact-a-physician-immediately.-Always-wash hands,-face-and-arms-with-soap-and-water-before-smoking,-eating, drinking-or-toileting-

AFTER-WORK:- Before-removing-gloves,-wash-them-with-soap-and water.-Take-off-all-work-clothes-and-shoes.-Shower-using-soap-and water.-Wear-only-clean-clothes-when-leaving-job---do-not-wear contaminated-clothing.-Personal-clothing-worn-during-work-must-be stored-and-laundered-separately-from-protective-clothing-and household-articles.-Store-protective-clothing-separately-from personal-clothing.-Clean-or-laundery-protective-clothing-after each-use.-Respirators-must-be-cleaned-and-filters-replaced according-to-instructions-included-with-respirators.-Protective clothing-and-protective-equipment-heavily-contaminated-or drenched-with-methyl-parathion-must-be-destroyed-according-to state-and-local-regulations.-**HEAVILY-CONTAMINATED-OR-DRENCHED CLOTHING-CANNOT-BE-ADEQUATELY-DECONTAMINATED.-DURING-AERIAL APPLICATION,-HUMAN-FLAGGERS-ARE-PROHIBITED-** Respirators-should-be-cleaned-and-cartridges-replaced-according to-instructions-included-with-respirators.-Replace-gloves frequently-

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DIRECTIONS FOR USE

It is a violation of federal law to use this product in any manner inconsistent with its labeling.
Do not apply this product through any type of irrigation system.

~~Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Be sure to read the precautionary statements before using.~~

REENTRY STATEMENT

~~Reentry into treated fields is prohibited for 48 hours after application, unless all protective clothing and equipment required for early reentry as described elsewhere on the label is worn.~~

~~Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.~~

FARMWORKER SAFETY

~~Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. (Indicate specific oral warnings which inform workers of areas or fields that may not be entered without specific protective clothing, period of time field must be vacated and appropriate actions to take in case of accidental exposure). When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: DANGER: Area treated with methyl parathion. Do not enter without appropriate protective clothing for 48 hours. In case of accidental exposure, refer to Statement of Practical Treatment on the front panel of this label.~~

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

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AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR 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 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 48 hours. Each 48 hour REI is increased to 72 hours in outdoor areas where average rainfall is less than 25 inches a year.

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 a plant, soil, or water is:

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves, such as Barrier Laminate or Viton
- Chemical-resistant footwear
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

This product is designed for application after dilution with water and for use by trained applicators using airplane or power ground equipment. The hazards and precautions for handling the product in this container are equally applicable to it after dilution with water for spray application. Add the concentrate to the spray tank while filling with water, and mix thoroughly either by means of a tank agitator or pump by-pass. For best results, thoroughly cover all surfaces to be treated with spray. Rates of application given below should not be exceeded. Never apply later than indicated to assure residue levels at harvest are below tolerances established by the Environmental Protection Agency.

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Consult the State Agricultural Extension Service or Experiment Station for specific recommendations regarding application, dosage and timing of sprays. For application by ground equipment, add the desired amount of concentrate to sufficient water to apply at least 3 gallons of water per acre.

For application by aircraft, add the amount of concentrate desired per acre to 1/2 to 3 gallons of water consistent with crop growth and good coverage. Greater quantities of water may be required to give sufficient coverage of orchard trees.

CEREAL

BARLEY, OATS, RYE AND WHEAT - For control of barley thrips, use 1/2 to 3/4 pint per acre. For aphids (including greenbugs), armyworms, leafhoppers and winter grain mites, use 1/2 to 1-1/2 pints per acre. For climbing cutworms and grasshoppers, use 1-1/2 pints per acre. For western or brown wheat mites and grasshoppers, use 1 pint per acre. Do not use more than 1/2 pint per acre within 15 days of harvest.

CORN - For control of armyworms, climbing cutworms, corn leaf aphids, corn rootworm adults, fall armyworms and stink bugs, use 1/2 pint per acre. For grasshoppers, use 1 pint per acre. Do not apply within 12 days of harvest. Do not apply to corn during the pollen shed period.

RICE - For rice stink bugs, use 1/2 to 1 pint per acre. For grasshoppers, use 1 pint per acre. Do not apply within 14 days of harvest or within 5 days after propanil has been applied. Shrimp, crabs and crayfish may be killed. Do not apply where these are important resources.

SOYBEANS - For control of climbing cutworms and three-cornered alfalfa hoppers, use 1/2 to 1 pint per acre. For control of aphids, blister beetles, Mexican bean beetles, stink bugs, two-spotted mites and velvet-bean caterpillars, use 1 pint per acre. Do not apply within 15 days of harvest or grazing.

COTTON - For control of thrips, use 1/4 to 1/2 pint per acre. For cotton leafworms, use 1/4 to 3/4 pint per acre. For grasshoppers and fall armyworms use 1/2 pint per acre. For spider mites (does not control all species), use 1/2 to 3/4 pint per acre. For control of fleahoppers, Lygus and other mirids, use 1/4 pint to 1 quart per acre. For boll weevils, aphids and garden webworms, use 1 pint per acre. For cutworms, use 1 to 2 pints per acre. For bollworms, salt-marsh caterpillars, armyworms, cotton leaf perforators and stink bugs, use 1 quart per acre.

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Applications should be made at 4 to 5 day intervals until control is obtained. At above dosages, application may be made up to the day before harvest, if harvest will be with mechanical pickers. Also see "Tank Mixtures on Cotton".

CAUTION---When-necessary-to-enter-treated-cotton-fields-within-48 hours-after-application, protective-clothing should-be-worn--Do-not-apply-within-5-days-of-handpicking cotton.

TANK MIXTURES

This product may be tank mixed with other insecticides to provide control of additional insect species. Read and carefully observe the precautionary statements and all other information appearing on the labels of all the insecticides used.

When wettable powder, water soluble or flowable formulations are to be tank mixed with emulsifiable formulations:

1. Place a 20 to 35 mesh screen or wetting basket over filling port.
2. Through the screen, fill the sprayer tank one-half full with water and start agitation.
3. If a wettable powder is used, make a slurry with the water carrier, and add it SLOWLY through the screen into the tank. Continue agitation.
4. If a flowable formulation is used, pre-mix one part flowable with one part water. Add diluted mixture SLOWLY through the screen into the tank. Continue agitation.
5. Continue filling the sprayer tank with water and add any remaining amounts of liquid insecticides near the end of filling process. Maintain good agitation at all times until the contents of the tank are sprayed.
6. MAKE NO APPLICATION OF THESE TANK MIXTURES CLOSER TO HARVEST THAN THE LONGEST PRE-HARVEST INTERVAL SHOWN FOR EITHER PRODUCT.

For additional species of insects controlled on cotton by METHYL PARATHION 4E, see "COTTON" section.

TANK MIXTURE	INSECT	RATE/ACRE
Methyl Parathion 4E plus Orthene 75S	Cotton Bollworm, Tobacco Budworm, (in AL, AR, FL, GA LA, MS, AND TX)	1 qt.* plus 2/3 Lb.* (1/2 lb. a.i.)

*1.5 lb. combined a.i./acre

Methyl Parathion 4E plus Lorsban 4E	Cotton Bollworm Tobacco Budworm, and Boll Weevil (for use in all states except AZ and CA.)	1 quart * plus 1 pint *
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* 1.5 lb. combined total a.i./acre.

Methyl Parathion 4E
plus Lannate L
(1.8 lb. a.i./gal.)

Cotton Bollworm,
Tobacco Budworm,
Boll Weevil, Beet
Armyworm, Cotton
Leaf Perforator
(this combination
should be used as
occasional spray
during early and
mid-season, not
more often than
every 10 days.
After boll load
is set; up to 3
applications at
3 to 5 day inter-
vals may be made)

1 to 2 pints *
plus 1 to 1-1/2
quarts *

NOTE: Registered for use east of Rocky Mountains only.
* 0.95 to 1.6765 lb. combined total a.i./acre.

Methyl Parathion 4E
plus Permethrin

Cotton Bollworm
and Tobacco Bud-
worm

1 pt. to 1 qt.*
plus 0.05 to 0.1
lb. a.i. *

* .55 to 1.1 lb. combined total a.i./acre.

Lannate is a registered trademark of E.I. DuPont DeNemours
and Company.

Lorsban is a registered trademark of Dow Elanco.

Orthene is a registered trademark of Monsanto Chemical Company.

FIELD AND FORAGE CROPS

ALFALFA AND CLOVER - For control of alfalfa weevil larvae, aphids (including spotted alfalfa aphids), climbing cutworms, and grasshoppers, use 1/2 to 1 pint per acre. For alfalfa caterpillars, adult alfalfa weevils, armyworms, clover leaf weevils and webworms, use 1 pint per acre. For Egyptian alfalfa weevils, leafhoppers, Lygus bugs, and spider mites, use 1 to 2 pints per acre. Do not treat closer than 15 days before harvest, cutting or grazing. In California, do not use more than 3/4 pint per acre.

Do not apply if the crop or weeds in the treatment area are in bloom.

GRASS (Forage) - For range caterpillar, use 1 pint per acre. For control of armyworms, crested wheat bugs, false chinch bugs, grasshoppers and leafhoppers, use 1-1/2 pints per acre. Do not apply within 15 days of harvest or grazing.

SUGAR BEETS - For aphids, armyworms, flea beetles, grasshoppers, leafhoppers, Lygus bugs, stink bugs and webworms, use 3/4 pint per acre. Do not treat closer than 20 days before harvest, 60 days if tops are to be fed to livestock.

VETCH - For control of aphids, armyworms, climbing cutworms, leafhoppers, Lygus bugs, spider mites and vetch bruchids, use 1 to 2 pints per acre. Do not treat closer than 15 days before harvest or grazing.

OIL SEED CROPS

SUNFLOWER - For control of sunflower head moth, sunflower seed weevil and sunflower maggot, use 1 quart per acre. Make no more than 3 applications at 5-day intervals. Do not apply within 30 days of harvest.

VEGETABLES

POTATOES - For control of aphids, armyworms, false chinch bugs, flea beetles, leafhoppers, mites and shield bugs, use 1-1/2 quarts per acre. Do not apply within 5 days of harvest.

SWEET POTATOES - For control of aphids, armyworms, surface feeding and climbing cutworms, flea beetles, leafhoppers and mites, use 3/4 quarts per acre. Do not apply within 5 days of harvest.

BROCCOLI - For control of aphids, armyworms, flea beetles, leafhoppers and mites, use 1 to 3 pints per acre. For stink bugs, use 2 to 3 pints per acre. Rates above 1 pint should not be applied closer than 21 days before harvest.

BRUSSELS SPROUTS - For control of aphids, armyworms, flea beetles, leafhoppers and mites, use 1 to 3 pints per acre. For stink bugs, use 2 to 3 pints per acre. Rates above 1 pint should not be applied closer than 21 days before harvest.

CAULIFLOWER - For control of aphids, armyworms, flea beetles, leafhoppers and mites, use 1 to 3 pints per acre. For stink bugs, use 2 to 3 pints per acre. Rates above 1 pint should not be applied closer than 21 days before harvest.

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KOHLRABI - For control of aphids, armyworms, flea beetles, leafhoppers and mites, use 1 to 3 pints per acre. For stink bugs, use 2 to 3 pints per acre. Rates above 1 pint should not be applied closer than 21 days before harvest.

RUTABAGAS - For control of aphids, armyworms, flea beetles, leafhoppers and mites, use 1 to 3 pints per acre. Rates above 1 pint should not be applied closer than 21 days before harvest.

CABBAGE - For control of aphids, armyworms, flea beetles, leafhoppers and mites, use 1 to 3 pints per acre. For stink bugs, use 2 to 3 pints per acre. Rates above 1 pint should not be applied closer than 21 days before harvest.

COLLARDS, KALE AND MUSTARD GREENS - For control of aphids, armyworms, flea beetles, leafhoppers and mites, use 1 to 3 pints per acre. For stink bugs, use 2 to 3 pints per acre. Rates above 1 pint should not be applied closer than 21 days before harvest.

PEAS - For control of aphids, armyworms, flea beetles, leafhoppers, Lygus bugs and mites, use 1 to 2 pints per acre. For cowpea curculio, surface feeding and climbing cutworms and stink bugs, use 2 pints per acre. Rates above 1 pint should not be applied closer than 15 days before harvest. Do not apply if the crop or weeds in the treatment area are in bloom.

BEANS (Dry and Green) - For control of aphids, armyworms, flea beetles, leafhoppers, Lygus bugs and mites, use 1 to 3 pints per acre. For cowpea curculio, surface feeding and climbing cutworms and stink bugs, use 2 to 3 pints per acre. Rates above 1 pint should not be applied closer than 15 days before harvest. Do not apply if the crop or weeds in the treatment area are in bloom.

BEETS (RED) - For control of aphids, armyworms, flea beetles, leafhoppers, Lygus bugs, mites and stink bugs, use 1 quart per acre. If tops are to be used for food or feed, do not apply closer than 21 days before harvest.

CARROTS - For control of aphids, armyworms, surface feeding and climbing cutworms, flea beetles, leafhoppers and mites, use 1 quart per acre. Do not feed tops. Do not apply within 15 days of harvest.

CELERY - For control of aphids, armyworms, flea beetles, leafhoppers, Lygus bugs, mites, and stink bugs, use 1 quart per acre. Do not apply within 15 days of harvest.

ONIONS - For control of thrips, use 1/2 pint per acre.

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SPINACH - For control of aphids, armyworms, flea beetles, leafhoppers, mites, seed corn maggots in crown and crown mites, use 1 to 2 pints per acre. Rates above 1 pint should not be applied closer than 21 days before harvest.

TURNIPS - For control of aphids, armyworms, flea beetles, leafhoppers, leaf miners and mites, use 1 to 1-1/2 pints per acre. If tops are to be used for food or feed, do not apply closer than 21 days before harvest.

LETTUCE - For control of aphids, armyworms, flea beetles, leafhoppers and mites, use 1 quart per acre. Do not apply within 21 days of harvest.

FOREST & NONAGRICULTURAL

ORNAMENTALS - (Woody shrubs, trees and vines). Christmas tree plantation (Pine - Apply 1 pint per acre). European pine short moth, Nantucket pine tip moth - Apply 2 pints per acre. Do not apply within 21 days of harvest.

FOREST, NONAGRICULTURAL LAND, WASTELAND - Mosquitos (Larvae) Apply 1/5 pint per acre. DO NOT apply within 7 days of harvest. For use by mosquito abatement districts and official governmental agencies only. Repeat as needed. Toxic to fish and wildlife. DO NOT use where shrimp and crabs are an important resource. DO NOT use in any estuaries or coastal, or tidal areas along any coast line. Do not apply within 21 days of harvest.

STORAGE AND DISPOSAL

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

STORAGE INSTRUCTIONS

Storage should be under lock and key and secure from access by unauthorized persons and children. Storage should be in cool dry area away from any heat or ignition source. Do not stack over 4 pallets high. Move containers by handles. Do not move containers from one area to another unless they are securely sealed. Keep containers tightly sealed when not in use. Keep away from any puncture source. Avoid storage near water supplies, food, feed and fertilizer to avoid contamination. Store in original containers only. If the contents are leaking or material is spilled, follow these steps while wearing protective equipment:

1. Rope off contaminated area and notify consignor.
2. Keep people up wind as far as possible to prevent vapor inhalation.
3. Contain spill, absorb with a material such as sawdust, clay granules and soda ash.
4. Collect and place in suitable containers for disposal.

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5. Wash area with soap to remove pesticide. Rinse with clear water.
6. Wood and other absorbent surfaces must be replaced.
7. Do not allow run off to enter sewer or contaminate water supply.
8. Dispose of waste as indicated below:

PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a 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

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.

WARRANTY - CONDITION OF SALE

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. In no case shall Drexel or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by Drexel Chemical Company and is accepted as such by the Buyer.

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