

PM 19

5905-414

File

1 of 14



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

MAR 3 1994

Judy Oldham
HELENA CHEMICAL CO.
6075 POPULAR AVE SUITE 500
MEMPHIS, TN 38119

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 08/12/93 in Response to PR Notice 93-7
EPA Reg. No. 5905-414
7.5 METHYL PARATHION

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

2/9/14

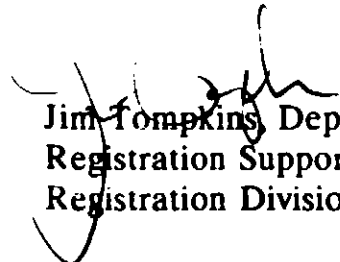
Submit the final printed labeling via the U.S. Postal Service to:

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

30/14

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

Judy Oldham
HELENA CHEMICAL CO
6075 POPLAR AVE SUITE 500
MEMPHIS TN 38119

Comment for: EPA Reg Nr.5905-414
7.5 METHYL PARATHION

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

✓
Delete the 72-hour arid area REI statement and the notification statement from your label. EPA has determined that they are not required for products containing methyl parathion as the sole active ingredient.

Delete the crossed-out statements on your proposed label. They are redundant statements or phrases.

4214

Revised WPS 8-6-93

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 the 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.

7.5 LB. METHYL PARATHION

Emulsifiable Insecticide Concentrate

ACTIVE INGREDIENTS:

Methyl Parathion	
(0,0-dimethyl 0-4-nitrophenyl phosphorothioate)	70.00%
Related Compounds	2.73%

INERT INGREDIENTS:	27.27%
TOTAL	100.00%

One gallon of Helena 7.5 Lb. Methyl Parathion contains 7.5 pounds of Methyl Parathion

KEEP OUT OF REACH OF CHILDREN

POISON

(SKULL & CROSSBONES PLACED HERE)

**DANGER
PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label find someone to explain it to you in detail.)

STATEMENT OF PRACTICAL TREATMENT

Organophosphate

Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to methyl parathion and describe his condition.

IF SWALLOWED: Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger or blunt object. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

IF INHALED: Go to an area where the pesticide has not been applied. Get medical attention if needed. If breathing has stopped, start artificial respiration immediately and maintain until doctor sees victim.

IF ON SKIN: Immediately wash skin with plenty of water ~~while removing contaminated clothing and shoes.~~ See a doctor immediately.

IF IN EYES: Immediately flush eyes with plenty of water. See a doctor immediately.

EPA Reg. No.: 5905-414

EPA Est. No.:

BEST AVAILABLE COPY

NET CONTENTS:

(D.O.T. INFORMATION HERE)

ACCEPTED
with COMMENTS
in EPA Letter Dated

MADE 2 1994
 Under the Federal Insecticide,
 Fungicide, and Rodenticide Act
 as amended for the pesticide
 registration number EPA Reg. No.
5905-414

**MANUFACTURED BY
HELENA CHEMICAL COMPANY
MEMPHIS, TN 38119**

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER - POISON**

POISONOUS IF SWALLOWED

POISONOUS BY SKIN CONTACT

Poisonous if touched by hands or spilled or splashed on skin, in eyes or on clothing (liquid goes through clothes).

POISONOUS IF BREATHED

Breathing vapor or spray mist may be fatal.

POISONING SYMPTOMS

Methyl Parathion is a very dangerous poison. It rapidly enters the body by contact with all skin surfaces and eyes. Exposed persons must receive prompt medical treatment or they may die.

Some of the 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.

NOTE TO PHYSICIAN

Since any symptoms from absorption of this combination product are likely to be those of methyl parathion intoxication, treatment should be directed towards the relief of cholinesterase inhibition.

ANTIDOTE - Administer atropine sulfate in large doses, **TWO to FOUR** mg. intravenously or intramuscularly as soon as cyanosis is overcome. Repeat at 5 to 10 minute intervals until signs of atropinization appear. **2-PAM** chloride is also antidotal and may be administered in conjunction with atropine. **DO NOT GIVE MORPHINE OR TRANQUILIZERS.** Methyl Parathion is a strong cholinesterase inhibitor affecting the central and peripheral nervous systems and producing cardiac and respiratory depression. At first sign of pulmonary edema, the patient should be given supplemental oxygen and treated symptomatically. Continued absorption of the poison may occur and fatal relapses have been reported after initial improvement: **VERY CLOSE SUPERVISION OF THE PATIENT IS INDICATED FOR AT LEAST 48 HOURS.**

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers (other than mixers and loaders) must wear:

Coveralls over long-sleeved shirt and long pants

Waterproof gloves

Chemical-resistant footwear plus socks

Protective eyewear

Chemical-resistant headgear for overhead exposure

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)

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

Mixers and Loaders must wear:

Coveralls over long-sleeved shirt and long pants

Waterproof gloves

Chemical-resistant footwear plus socks

Protective eyewear

Chemical-resistant headgear

Chemical-resistant apron when mixing or loading

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).

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.

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.

DURING AERIAL APPLICATION, HUMAN FLAGGERS ARE PROHIBITED.

USER SAFETY RECOMMENDATIONS

User should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet
Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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.

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to aquatic invertebrates and wildlife. Shrimp, birds, and other aquatic organisms may be killed at recommended application rates or in treated areas.

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 cleaning of equipment or disposal of 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.

PHYSICAL OR CHEMICAL HAZARDS
Do not use or store near heat or open flame.

CHEMIGATION PROHIBITION

Do not apply this product through any type of irrigation system.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. 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. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not 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 plants, soil, or water, is:

- Coveralls over long-sleeved shirt and long pants.
- Waterproof gloves
- Chemical-resistant footwear plus socks
- 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.

STORAGE AND DISPOSAL

Pesticide Storage
Do not store below 20°F, (-7°C).

Do not use or store near heat, open flame or hot surfaces.

Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills, Call 901 - 761-0050.

To confine spill: If liquid, dike surround area or absorb with sand, cat litter or commercial clay. Place damaged package in a holding container. Identify contents.

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

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.

Plastic containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

MIXING AND SPRAYING

Mix in water with agitation; agitate while spraying. Apply to row and field crops in 3 to 10 gals. (California only: use 20 to 100 gals.) of water per acre by ground spray rig or 1 to 3 gal. (California only: use 5 to 15 gals.) of water by airplane.

COMPATIBILITY - Avoid combinations containing highly alkaline materials such as lime-sulfur solutions or lime. Alkaline compounds will reduce the effectiveness of Methyl Parathion.

ALFALFA: Alfalfa Weevil (larvae) - $\frac{1}{4}$ to $\frac{1}{2}$ pint per acre. (Apply when 75% terminals show feeding, when buds and shoots appear ragged, or when the larvae count reaches 25 per sweep.) Aphids (including Pea Aphid and Spotted Alfalfa Aphid) - $\frac{1}{4}$ to $\frac{1}{2}$ pint per acre. (For Spotted Alfalfa Aphid, apply early in spring.) Armyworms, Cutworms (Climbing), Flea Beetles, Grasshoppers, Leafhoppers and Thrips - $\frac{1}{4}$ to $\frac{1}{2}$ pint per acre. Alfalfa Caterpillars, Alfalfa Weevil (adult) (refer also to Egyptian weevil), Clover Leaf Weevil and Webworms - $\frac{1}{2}$ pint per acre. Lygus Bugs, Mites and Stink Bugs - $\frac{1}{4}$ to $\frac{3}{4}$ pint per acre. Egyptian Alfalfa Weevil - $\frac{1}{2}$ to 1 pint per acre.

Do not apply within 15 days of harvest.

Alfalfa Seed Chalcid - $\frac{3}{4}$ to 1 $\frac{1}{4}$ pints per acre. Do not apply within 20 days of harvest.

BARLEY: Thrips (Barley) - ¼ to 1/3 pint per acre. Cutworms (Climbing), False Chinch Bug, Leafhopper, Mites (Brown Wheat and Winter Grain) - ¼ to ½ pint per acre. Aphids (including Greenbug) - ¼ to ¾ pint per acre. (Apply in early spring for Greenbug control.) Armyworms (to 3rd instar), Black Grass Bugs and Stink Bugs - ¼ to ¾ pint per acre. Chinch Bugs and Say Stink Bugs - ¾ pint per acre.

Do not apply within 15 days of harvest.

BEANS: Aphids, Armyworms, Flea Beetles, Leafhoppers, Mites and Plant Bugs (including Lygus Bugs) - ½ to 1½ pints per acre. Cabbage Looper - 1 pint per acre. Cowpea Curculio, Cutworm (including Climbing and surface feeding species) and Stink Bugs - 1 to 1½ pints per acre.

Do not apply if the crop or weeds in the treatment area are in bloom. Dry Beans - Do not apply within 15 days if harvest through 1½ pints per acre. Green and Lima Beans - Do not apply within 15 days of harvest through ½ pint per acre and 21 days from ½ pint through 1½ pints per acre.

BEETS: Armyworms, Flea Beetles, Leafhoppers and Mites - ½ to 1 pint per acre. Cabbage Looper, Plant Bugs (including Lygus Bugs) and Stink Bugs - 1 pint per acre. Aphids - 1 to 1¼ pints per acre.

Do not apply within 21 days of harvest.

BROCCOLI: Thrips - ¼ to ½ pint per acre. Do not apply with 7 days of harvest.

Aphids and Armyworms - ¼ to 1 pint per acre. Flea Beetles, Leafhoppers and Mites - ½ to 1 pint per acre. Imported Cabbageworms, Cabbage Loopers and Stink Bugs - 1 to 1¼ pints per acre. Plant Bugs - 1¼ pints per acre.

Do not apply within 21 days of harvest.

BRUSSELS SPROUTS: Aphids, Armyworms and Thrips - ¼ to 1 pint per acre. Flea Beetles, Leafhoppers and Mites - ½ to 1 pint per acre. Imported Cabbageworms, Cabbage Loopers and Stink Bugs - 1 to 1¼ pints per acre. Plant Bugs - 1¼ pints per acre.

Do not apply within 21 days of harvest.

CABBAGE: Aphids, Armyworms, Thrips - ¼ to 1 pint per acre. Flea Beetle, Leafhoppers and Mites - ½ to 1 pint per acre. Imported Cabbageworms, Cabbage Loopers and Stink Bugs - 1 to 1¼ pints per acre. Plant Bugs - 1¼ pints per acre.

Do not apply within 21 days of harvest.

CARROTS: Aphids, Armyworms, Flea Beetles, Leafhoppers, and Mites - ½ to 1 pint per acre. Cutworms, Cabbage Loopers and Plant Bugs - 1 pint per acre.

Do not apply within 15 days of harvest. Do not use treated carrot tops for food or feed.

CAULIFLOWER: Aphids, Armyworms, Flea Beetles, Leafhoppers, and Mites - ½ to 1 pint per acre. Imported Cabbageworms, Cabbage Loopers and Stink Bugs - 1 to 1½ pints per acre. Plant

Bugs - 1½ pints per acre.

Do not apply within 21 days of harvest.

CELERY: Aphids, Armyworms, Flea Beetles, Leafhoppers, and Mites - ½ to 1 pint per acre. Cabbage Loopers, Plant Bugs and Stink Bugs - 1 pint per acre.

Do not apply within 15 days of harvest.

CLOVER: Alfalfa Weevil (larvae), Aphids (Including Spotted Alfalfa Aphid,) Armyworms, and Leafhoppers - ¼ to ½ pint per acre. [For Aphids (including Spotted Alfalfa Aphid), apply early in the spring.] [For Alfalfa Weevil (larvae), apply when 75% of terminals show feeding, when buds and shoots appear ragged, or when the larval count reaches 25 per sweep.] Lygus Bugs and Mites - ¼ to ¾ pint per acre. Alfalfa Weevil (adults), Clover Leaf Weevil and Webworms - ½ pint per acre. Thrips - ½ to ¾ pint per acre.

Do not apply within 15 days of harvest.

Egyptian Alfalfa Weevil - ½ to 1 pint per acre. Clover Seed Chalcid and Climbing Cutworms - ¼ to 1¼ pints per acre. (Clover Seed Chalcid - For use on seed crops only.)

Do not apply within 20 days of harvest.

COLLARDS: Aphids, Armyworms, Flea Beetles, Leafhoppers and Mites - ½ to 1 pint per acre. Imported Cabbageworms, Cabbage Loopers, Stink Bugs and Thrips - 1 to 1½ pints per acre. Plant Bugs - 1½ pints per acre.

Do not apply within 21 days of harvest.

CORN: Aphids (including Corn Leaf Aphid), Armyworms, Fall Armyworms, Corn Rootworms (including Western Corn Rootworm - adults), Climbing Cutworms, Flea Beetles, Mites and Stink Bugs - ¼ pint per acre.

Do not apply to corn during the pollen shed period. Do not apply within 12 days of harvest.

COTTON: Fleahoppers (including Cotton Fleahopper) and Thrips - 1/8 to 1/2 pint per acre. (For Thrips - Apply before or during the 4-leaf stage and repeat 1 to 3 times at 7- to 10-day intervals.) Grasshoppers - ¼ pint per acre. Cotton Leafworm and Garden Webworm - ¼ to ½ pint per acre. Lygus Bugs, Mites, Spider (including Desert Spider Mites and Two-Spotted Spider Mites) - ¼ to 1 pint per acre. False Chinch Bug and Southern Green Stink Bug - ½ pint per acre. Aphids - (including Cotton Aphid, Fall Armyworms (to 3rd instar), Cotton Leafperforator, Cutworms, and Cabbage Loopers - ½ to 1 pint per acre. [For Aphids (including Cotton Aphid), apply when Aphids appear in buds and on leaves of seedlings or when honeydew appears on older plants.] Boll Weevil - ½ to 3 pints per acre. (For early season control of over-wintering Boll Weevils, apply as early as the 2- to 4-leaf stage and repeat 1 to 3 times at 7- to 10-day intervals. For mid-season control, apply at the start of squaring or after 10 to 25% of the first squares are punctured and repeat at 3- to 8-day intervals as needed or until the top bolls are full grown. Repeat at 3-day intervals during the major fruiting season,

and periods of heavy weevil migration.) **Saltmarsh Caterpillars, Stink Bugs and Leafrollers** - 1 pint per acre. **Bollworms** - 1 to 3 pints per acre. **Armyworms** - 1 to 2 pints per acre.

Do not apply within 5 days of handpicking.

GRASS (Hay, Pasture): Armyworms (to 3rd instar), Black Grass Bugs (including Irbisia), False Chinch Bugs, Grasshoppers and Leafhoppers - 3/4 pint per acre. Do not apply within 15 days of harvest.

KALE AND MUSTARD GREENS: Aphids and Armyworms - 1/4 to 1 pint per acre. **Flea Beetles, Leafhoppers and Mites** - 1/2 to 1 pint per acre. **Imported Cabbageworms, Cabbage Loopers and Stink Bugs** - 1 to 1 1/2 pints per acre. **Plant Bugs** - 1 1/2 pints per acre.

Do not apply within 10 days of harvest through 1/2 pint per acre. Do not apply within 21 days of harvest from 1/2 through 1 1/2 pints per acre.

KOHLRABI: Aphids and Armyworms - 1/4 to 1 pint per acre. **Flea Beetles, Leafhoppers and Mites** - 1/2 to 1 pint per acre. **Imported Cabbageworms, Cabbage Loopers and Stink Bugs** - 1 to 1 1/2 pints per acre. **Plant Bugs** - 1 1/2 pints per acre.

Do not apply within 7 days of harvest through 1/2 pint. Do not apply within 21 days of harvest from 1/2 pint through 1 1/2 pints.

LETTUCE: Aphids, Armyworms, Flea Beetles, Imported Cabbageworms, Leafhoppers and Mites - 1/2 to 1 pint per acre. **Cabbage Loopers and Plant Bugs** - 1 pint per acre.

Do not apply within 21 days of harvest.

MUSTARD GREENS: See Kale and Mustard Greens.

OATS AND RYE: Brown Wheat Mites - 1/8 to 1/2 pint per acre. **Aphids (including Greenbug) and Black Grass Bugs (including Irbisia)** - 1/8 to 3/4 pint per acre. **Barley Thrips** - 1/4 to 1/3 pint per acre. **Leafhoppers** - 1/4 to 1/2 pint per acre. **Armyworm (to 3rd instar) and Wintergrain Mites** - 1/4 to 3/4 pint per acre. **Climbing Cutworms** - 3/8 to 1/2 pint per acre. **Chinch Bugs, False Chinch Bugs and Say Stink Bugs** - 3/4 pint per acre. **Stink Bugs** - 1/4 to 3/4 pint per acre.

Do not apply within 15 days of harvest from 1/4 through 3/4 pint.

ONIONS: Thrips (including Onion Thrips) - 0.9 pint per acre. Do not apply within 15 days of harvest.

PASTURE (irrigated (refer also to grass)): Mosquitoes (larvae) - 1/10 pint per acre. Broadcast application to irrigated pastures. Do not apply within 7 days of harvest.

PEAS: Aphids, Armyworms (to 3rd instar), Flea Beetles, Leafhoppers, Mites and Plant Bugs (including Lygus Bugs) - ½ to 1 pint per acre. Cowpea Curculio, Cutworms (including Climbing and Surface Feeding species), Cabbage Loopers and Stink Bugs - 1 pint per acre.

Do not apply if the crop or weeds in the treatment area are in bloom. Do not apply within 10 days of harvest through ½ pint. Do not apply within 15 days of harvest from ½ pint through 1 pint.

POTATOES: Aphids and Flea Beetles - ¼ to 1 pint per acre. Armyworms, Leafhoppers and Mites - ½ to 1 pint per acre. False Chinch Bugs, Cabbage Loopers, Plant Bugs (including Lygus Bugs) and Stink Bugs - 1½ pints per acre.

Do not apply within 5 days of harvest.

RICE: Rice Stink Bugs - ¼ to ½ pint per acre. Armyworms - ½ to ¾ pint per acre. Crabs, crayfish and shrimp may be killed. Do not apply where they are important resources.

Do not apply within 15 days of harvest.

Rice Leafminer and Tadpole Shrimp - ¾ pint per acre. (Use restricted to California. Apply at first sign of infestation after planting. Apply by air in 5 to 10 gals. of water. Restrict spill from rice fields for 3 days. Do not use within 14 days of application of 3',4'-dichloropropionanilide as injury may result.)

RUTABAGAS: Aphids, Armyworms, Flea Beetles, Leafhopper, and Mites - ½ to 1 pint per acre. Imported Cabbageworms and Cabbage Loopers - 1 to 1½ pints per acre. Plant Bugs - 1½ pints per acre.

Do not apply within 7 days of harvest when applying ½ pint per acre and 21 days from ½ pint through 1½ pints per acre.

RYE: See Oats and Rye.

SORGHUM: Corn Leaf Aphid and Spider Mites - ½ pint per acre. Sorghum Midge - ½ to 1 pint per acre. Apply when approximately 90% of the heads have completely emerged from the boot or not later than the start of blooming. Greenbug Aphid - ¾ pint per acre. Aphids - 1 pint per acre.

Leaf injury may occur on some hybrid varieties. Do not use wetting agents as more severe injury may occur. Spray a few rows a week or so before booting to test effects upon plants. Do not apply within 21 days of harvest.

SOYBEANS: Climbing Cutworms - ¼ pint per acre. Three Cornered Alfalfa Hoppers and Webworms (including Garden Webworms) - ¼ to ½ pint per acre. Stink Bugs - 1/3 to 1 pint per acre. Thrips and Velvetbean Caterpillar - 3/8 pint per acre. Aphids, Blister Beetles, Mexican Bean Beetles and Spider Mites - ½ pint per acre.

Do not apply within 15 days of harvest. Do not apply more than twice per growing season.

Green Cloverworms and Cabbage Loopers - ½ to 1 pint per acre. Armyworms, Fall Armyworms

Green Cloverworms and Cabbage Loopers - ½ to 1 pint per acre. **Armyworms, Fall Armyworms (to 3rd instar), Bean Leaf Beetles, Corn Earworms and Grasshoppers** - 1 pint per acre.

Do not apply within 20 days of harvest. Do not apply more than twice per growing season.

SPINACH: Aphids, Armyworms, Mites and Seedcorn Maggot (in crown) - ½ to 1 pint per acre. **Cabbage Looper and Plant Bugs** - 1 pint per acre.

Do not apply within 15 days of harvest when applying through ½ pint per acre and 21 days when applying from ½ through 1 pint per acre.

SUGAR BEETS: Aphids, Lygus Bugs, Stink Bugs and Webworms - 3/8 pint per acre. **Armyworms, Fall Armyworms, Cutworms (including Climbing Cutworms), Flea Beetle, Grasshoppers, Leafhoppers, Mites and Sugarbeet Webworm** - ¼ to 3/8 pint per acre.

Do not apply within 20 days of harvest (roots) and 60 days if tops are to be fed to livestock.

SUNFLOWERS: Sunflower Moths - 1 pint per acre. Do not apply more than 3 times at 5-day intervals per season. Do not apply within 30 days of harvest.

SWEET POTATOES: Aphids, Armyworms (to 3rd instar), Cutworms (including Climbing and surface feeding species), Flea Beetles, Leafhoppers, Cabbage Loopers and Spider Mites - ¼ pint per acre. Do not apply within 5 days of harvest.

TURNIPS: Aphids (including Cabbage Aphid) and Armyworms (to 3rd instar) - ¼ to ¾ pint per acre. **Flea Beetles, Leafhoppers, Leafminers and Mites** - ¼ to ¾ pint per acre. **Imported Cabbage-worms, Cabbage Loopers and Plant Bugs** - ¾ pint per acre.

Do not apply within 7 days of harvest through ½ pint. Do not apply within 15 days of harvest from ¼ pint through ¾ pint (roots). Do not apply within 21 days of harvest if tops are to be used as food or feed.

VETCH: Aphids, Alfalfa Weevil (larvae), Leafhoppers and Mites - ¼ to ½ pint per acre. (For Alfalfa Weevil larvae, apply when 75% of the terminals show feeding, when buds and shoots appear ragged, or when the larvae count reaches 25 per sweep). **Armyworm** - ¼ to 1¼ pints per acre. **Climbing Cutworms, Lygus Bugs and Vetch Bruchids** - ½ pint per acre.

Do not apply within 15 days of harvest when applying through 1 pint per acre and 20 days when applying from 1 pint through 1¼ pints per acre.

WHEAT: Brown Wheat Mites - 1/8 to 1/2 pint per acre. **Aphids (including Greenbug)** - 1/8 to 3/4 pint. **Barley Thrips** - 1/4 to 1/3 pint per acre. **Leafhoppers** - ¼ to ½ pint per acre. **Armyworms (to 3rd instar), Wintergrain Mites and Stink Bugs** - ¼ to ¾ pint per acre. **Climbing Cutworms** - 3/8 to 1/2 pint per acre. **Chinch Bugs, False Chinch Bugs and Say Stink Bugs** - ¾ pint per acre.

Do not apply within 15 days of harvest from ¼ pint through ¾ pint.

**CONDITIONS OF SALE - LIMITED WARRANTY
AND LIMITATIONS OF LIABILITY AND REMEDIES**

The directions on this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions, the failure to follow the label directions, or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man, or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product is a claim for damage and in no event shall damages or any other recovery of any kind against the Company exceed the price of the product which causes the alleged loss, damage, injury, or other claim. The Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income.

The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability, and remedies.