

DEC 19 1996

Ms. Diane Allemang
Jellinek, Schwartz & Connolly, Inc.
1525 Wilson Boulevard, Suite 600
Arlington, VA 22209

Dear Ms. Allemang:

Subject: Product Labeling, Parathion Data Call-In
Ethyl-Methyl Parathion 6-3 EC
EPA Registration No. 4787-19
Your Application Dated December 5, 1996

The labeling referred to above, amended as required by the March 14, 1996 Data Call-In (DCI) for ethyl parathion, has been reviewed. We have determined that the amended label is now acceptable, however, in order for us to authorize the acceptance, we have made some editorial corrections, as follows:

1. In the directions for use on cotton, the reference to hand-picking has been deleted since crops treated with ethyl parathion may only be mechanically harvested. The directions now read: "Do not apply within 7 days of harvest."
2. The preharvest interval (PHI) for sorghum is wrong. It must be 21 days. We have also corrected this on the submitted label copies.

Additionally, please note the following two typographical errors:

- the correct zip code for Salinas, California where applicators may purchase the "Chemprobe" system is 93902.

- the word "so" is missing from the first sentence of the "Storage and Handling" instructions, ie. "Handle container carefully so as to avoid damage..."

277

These additional corrections must be made and followed by submittal of five copies of the final printed labeling. Please submit this labeling within 30 days of the date of this letter. A copy of the stamped accepted label is enclosed.

Sincerely,



Dennis H. Edwards, Jr.
Product Manager 19
Insecticide-Rodenticide Branch
Registration Division (7505C)

Enclosure

cc: Phil Poli, SRRD

3 7 7

**ETHYL
METHYL
PARATHION**

**BEFORE USING
THIS PESTICIDE
STOP
READ THE LABEL**

ETHYL/METHYL PARATHION

6-3 EC

EMULSIFIABLE CONCENTRATE - AN AGRICULTURAL INSECTICIDE



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

For use only on Alfalfa (not for use on alfalfa grown for seed), Barley, Canola (Rape), Corn, Cotton, Sorghum, Soybeans, Sunflower and Wheat

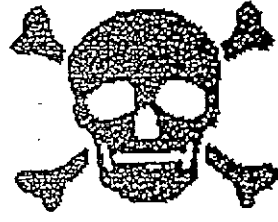
ACTIVE INGREDIENTS:

O, O-diethyl O-p-nitrophenyl phosphorothioate *	55.27%
Related Compounds *	2.85%
O, O-dimethyl-O-p-nitrophenyl phosphorothioate **	27.60%
Related Compounds **	1.45%
INERT INGREDIENTS	12.83%
TOTAL	100.00%

*Equivalent to 6.0 lbs. parathion & related compounds per gallon
**Equivalent to 3.0 lbs. methyl parathion & related compounds per gallon

STOP! READ THE LABEL

POISON
See side panels
for antidote
and precautions



**PELIGRO
DANGER**
Keep Out Of Reach
Of Children

- 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.

AL USARIO: Si Usted no entiende la etiqueta, busque a alguien para que se la explique a Usted en detalle.
(**TO THE USER:** If you do not understand the label, find someone to explain it to you in detail.)

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

ACCEPTED
with COMMENTS
in EPA Letter Dated

DEC 19 1996

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
4787-19

96 DEC -6 P2:11

REC'D EPA/OPP/DPD1

MANUFACTURED FOR
CHEMINOVA, INC.
1700 Route 23, Suite 210, Wayne, NJ 07470 Telephone: (201) 305-6600

EPA Reg. No. 4787-19 EPA Est. No.34704-MS-1 NET CONTENTS: _____

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

POISONOUS IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. RAPIDLY ABSORBED THROUGH SKIN. REPEATED EXPOSURE MAY, WITHOUT SYMPTOMS, BE INCREASINGLY HAZARDOUS. Do not breathe vapors. Do not get in eyes, on skin or on clothing.

PERSONAL PROTECTIVE EQUIPMENT:

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F on an EPA chemical resistance category selection chart.

Mixers and loaders (who must use the closed system described elsewhere on this label) must wear:

- Coveralls over long-sleeved shirt and long pants;
- Chemical-resistant gloves, such as Barrier Laminate, Butyl Rubber ≥ 14 mils, Nitrile Rubber ≥ 14 mils, or Viton ≥ 14 mils;
- Chemical-resistant footwear plus socks;
- Chemical-resistant apron; and
- Protective eyewear, if the closed system is pressurized.

Applicators (pilots in enclosed cockpits) must wear:

- Long-sleeved shirt and long pants; and
- Shoes plus socks

In addition, pilots must wear chemical-resistant gloves, such as Barrier Laminate, Butyl Rubber ≥ 14 mils, Nitrile Rubber ≥ 14 mils, or Viton ≥ 14 mils when entering or leaving an aircraft contaminated with pesticide residues. If taken into the cockpit, the gloves must be kept in an enclosed container to prevent contamination of the inside of the cockpit.

All Other Handlers, including persons who (1) repair, clean, or maintain the parts of mixing, loading, or application equipment that may contain residues, (2) clean up spills, (3) handle open containers, or (4) dispose of this pesticide, must wear:

- Chemical-resistant protective suit;
- Chemical-resistant gloves, such as Barrier Laminate, Butyl Rubber ≥ 14 mils, Nitrile Rubber ≥ 14 mils, or Viton ≥ 14 mils;
- Chemical-resistant footwear plus socks;
- Protective eyewear;
- Chemical-resistant headgear for overhead exposure; and
- 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).

User Safety Requirements:

Users Must:

- Provide mechanical exhaust ventilation, if product is handled indoors.
- Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.
- Clean respirators and replace cartridges or canisters according to instructions included with the respirators.
- Replace gloves frequently.
- Keep and wash PPE (coveralls, gloves, footwear, aprons, protective eyewear, etc.) separately from all other laundry. Wash PPE after each day's use, following the manufacturer's directions. If no such instructions, use detergent and hot water. Store PPE separately from personal clothing.
- Keep personal work clothing (long-sleeved shirts, long pants, and socks) worn while performing mixing, loading, application, and other handling and early entry tasks separate from household articles. After each day of use, wash work clothing separately from household articles.

User Safety Recommendations:

Users should:

- Not rub eyes or mouth with hands.
- STOP work and get help right away, if you feel sick in any way. See First Aid section of this label. Call a doctor (physician), clinic, or hospital immediately. Explain that the victim has been exposed to parathion and describe his condition. After first aid is given (See First Aid Treatment Section) and if a doctor cannot come, take victim to clinic or hospital.
- 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, all work clothing, and footwear immediately after handling this product. Wash the outside of gloves with soap and water before removing. Shower using soap and water. Wear only clean clothing when leaving job - do not wear contaminated clothing.
- The National Pesticide Telecommunication Network (NPTN) is available for recommendations regarding poisoning management, emergency treatment, and other information regarding the toxicity of parathion. The toll-free number for NPTN is 1-800-858-7378.

POISON SIGNS (Symptoms)

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 of the signs and symptoms of poisoning are: Headaches, nausea, vomiting, cramps, weakness, blurred vision, pin-point pupils, lightness in chest, labored breathing, nervousness, sweating, watering of eyes, drooling or frothing of mouth and nose, muscle spasms and coma.

FIRST AID

Parathion is an organophosphate

Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to parathion and describe his condition. If doctor cannot come, take victim to clinic or hospital. Move victim immediately from the area where parathion is present.

IF INHALED: Remove victim to fresh air. If not breathing, immediately give artificial respiration, preferably mouth-to-mouth, and maintain until doctor sees victim. If breathing is difficult, give oxygen.

IF IN EYES OR ON SKIN: Immediately flush with plenty of water while removing contaminated personal clothing and shoes to avoid continued possible exposure to victim or persons in attendance.

IF SWALLOWED: Induce vomiting immediately by giving two glasses of water and 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.

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 10 minute intervals until signs of atropinization appear. 2-PAM chloride is a pharmacologic antidote and may be administered as an adjunct to, but not a substitute for, atropine which is a symptomatic and often life-saving antidote. DO NOT GIVE MORPHINE OR TRANQUILIZERS BECAUSE THESE ANTIDOTES MAY PRODUCE ADVERSE EFFECT ACCENTUATING THE PHARMACOLOGIC EFFECT OF THIS PRODUCT. This product 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 improvements. VERY CLOSE SUPERVISION OF THE PATIENT IS INDICATED FOR AT LEAST 48 HOURS.

DIRECTIONS FOR USE RESTRICTED USE PESTICIDE

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.

Aircraft should apply the recommended amount of ethyl methyl parathion 4-3 EC in not less than 2 gallons of finished spray per acre. Always use sufficient water for adequate coverage of the crop foliage.

Application Restrictions: Aerial Application Only: Ethyl parathion may only be applied aerially, and only by a certified commercial applicator as defined in FIFRA 2(E)(3). HUMAN FLAGGERS ARE STRICTLY PROHIBITED DURING AERIAL APPLICATION.

No Spray or Drift On Any Person: Do not apply this product in a way that will contact workers or other persons, either directly or through drift. During application keep all persons, livestock and pets out of the treated area and any area within 100 feet of the treated area.

Areas Where Application Is Prohibited: Do not apply this product within 100 feet of buildings, public roads, or bodies of water. Do not apply within 100 feet of property lines, unless the owner of the adjacent property has given prior written consent to the application and has been informed of the timing of the application and the appropriate entry restrictions.

Crop Limitation: This product must not be applied to any crop other than alfalfa, barley, canola (rape), corn, cotton, sorghum, soybeans, sunflower, and wheat. Any treated crop must be harvested only by mechanical means. Hand harvesting of treated crop is prohibited.

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

Drift Reduction Measure: Do not apply this product if the wind exceeds 10 miles per hour. Apply only from nozzles not more than 75% of the distance from the center of the aircraft to the wing tip or helicopter rotor tip.

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, notifications, and emergency assistance. It also contains specific instructions pertaining to the statements in this labeling about personal protective equipment, restricted-entry intervals, and notifications to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

IMPORTANT: The exceptions in the WPS pertaining to personal protective equipment, restricted-entry intervals, and notifications do NOT apply when this product is used.

Restrictions on Entry to Treated Areas:

Do not enter or allow any person to enter into entry-restricted areas (treated areas plus areas within 100 feet of treated areas) during the restricted-entry interval (REI) of 3 days (6 days for corn) and during any longer period of time prescribed by State law or regulation. Entry into entry-restricted areas (including early entry that would otherwise be permitted under the WPS) by any person is PROHIBITED, except for persons who are (1) handlers performing crop-advisor tasks or (2) workers performing irrigation-related tasks.

Restrictions for All Persons Who Enter Entry-Restricted Area

When any person enters the treated area or within 100 feet of the treated area before the expiration of REI, all of the following requirements must be complied with:

- (1) No entry is permitted, except for persons who are performing crop-advisor tasks or irrigation-related tasks.
- (2) No person is allowed to enter or remain in entry-restricted areas during application and until four (4) hours after application is complete.
- (3) No person is allowed to remain in any entry-restricted area for a total of more than one (1) hour in any 24-hour period.
- (4) Each person must wear the personal protective equipment specified for early entry on this label.
- (5) Each person must be provided the protections in the WPS and in this labeling. If the two requirements are not identical, the requirements that are the most restrictive must be followed.
- (6) Each person, except owners of the farm and members of their immediate family, must have received training as follows:

(a) Currently certified as an applicator of restricted-use pesticides,

OR

(b) Currently trained as a handler under the requirements of the WPS,

OR

(c) Currently trained as a worker under the requirements of the WPS and, in addition, is informed (i) how to put on, use and take off PPE correctly, (ii) about the importance of washing thoroughly after removing PPE, and (iii) how to prevent, recognize, and give correct first aid for heat illness.

(7) Before entering the entry-restricted area, each person must have read the product labeling or been informed in a manner the person can understand all of the labeling requirements related to safe use of the pesticide, including signal word, human hazard precautions, first aid instructions, symptoms of poisoning, and personal protective equipment requirements for early entry.

(8) Appropriate measures to prevent heat illness must be taken for each person.

(9) Each person must be provided a decontamination site that is reasonably accessible and is within 1/4 mile of that person. (Exception: if the site where the person is working is more than 1/4 mile from the nearest point reachable by vehicle, the decontamination site may be at the access point.) Each decontamination site must contain an adequate supply of soap and single-use towels and an adequate amount of water for routine washing, emergency eyeflushing, and emergency whole-body washing. The water must be of a quality and temperature that will not cause illness or injury when it contacts the skin or eyes or if it is swallowed. The site for crop advisors must also contain a clean change of clothing, such as coveralls.

(10) Each person must carry an eyeflush dispenser containing at least one pint of water that meets the quality and temperature criteria listed for decontamination water in (9) above.

(11) After the activity in the entry-restricted area, soap, clean towels, and an adequate amount of water for thorough washing must be available at the place where the person removes the PPE. The water must meet the quality and temperature criteria listed for decontamination water in (9) above.

(12) Each person must wash thoroughly after removing PPE.

(13) Personal protective equipment worn during early entry must not be worn home. No person, other than owners of the farm and members of their immediate family, may take home - before it is cleaned - PPE worn during early entry.

Personal Protective Equipment for Early Entry: PPE required for early entry to treated areas that is permitted on this label is:

- Coveralls over long-sleeved shirt and long pants;
- Chemical-resistant gloves, such as Barrier Lamine, Butyl Rubber ≥ 14 mils, Nitrile Rubber ≥ 14 mils, or Viton ≥ 14 mils;
- Chemical-resistant footwear plus socks;
- Protective eyewear; and
- Chemical-resistant headgear for overhead exposure.

Notification About Application and Entry Restrictions

Notify workers (other than workers who are members of the farm owners' immediate family) of the application by warning them orally if they will be within 1/4 mile of the treated area. In addition, treated areas must be posted with WPS signs at (or 100 feet outside) all usual points of entry or at (or 100 feet outside) all the corners of the treated areas affording maximum visibility.

Notification to Farm Owner/Operator

A certified commercial applicator must not apply this parathion product on a farm until he or she makes sure the owner of the farm (or person responsible for managing the farm) has the following information in writing: (1) specific location and description of the area to be treated, (2) time and date of application, (3) product name, EPA registration number, and active ingredients, (4) the entry restrictions including the restricted-entry interval, (5) the requirements for both oral warnings to workers and posting of treated areas, (6) the requirement that crops treated with parathion be harvested mechanically and the prohibition of hand harvesting, (7) the incident reporting requirements set forth on this label, and (8) any other labeling requirements concerning the protection of workers or other persons during or after application. This requirement is satisfied if the owner/operator of the farm has a copy of this labeling.

PROTECTION OF APPLICATORS, MIXER/LOADERS, AND MAINTENANCE PERSONNEL

Applicator Protection: The cockpit of the aircraft used to apply this product must be fully enclosed while this product is being applied. No pilot may apply this product if the pilot has earlier during the day of application performed any mixing/loading activities (other than acting as an observer) involving any pesticide product containing parathion. Human flaggers are prohibited.

Mixer/Loader Protection: An observer must be present during all mixing/loading activities in order to furnish assistance in the event of an accident. The observer must not act as a mixer/loader and need not wear personal protective equipment.

This product must be mixed and loaded in a closed system, as described below:

The liquid product must be removed from its original shipping container and transferred through connecting hoses, pipes, and/or couplings that are sufficiently tight to prevent handlers or other persons from contacting the parathion concentrate, use dilution or rinsate solution.

All hoses, piping, tanks, and connections used in the system shall be of type appropriate for the product being used and the pressure and vacuum levels involved. The system shall be designed and operated so that the concentrated form of this product is not under more than 25 psi of pressure at any point in the system beyond or downstream from a pump producing positive pressure. The closed system must be adequate to make necessary measurements of the product being used. External sight gauges shall be equipped with valves so that the flow of pesticide to the sight gauge can be shut off in case of breakage or leakage from the gauge.

Dry-break couplings shall be used for all hose connections that may be disconnected during normal mixing/loading operations (excluding periodic maintenance). A coupling shall be considered to be a dry-break coupling only if its manufacturer certified that less than 2 milliliters of liquid will escape per disconnect.

In mixing/loading 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 that State's program establishing criteria for closed-system handling of Toxicity Category I pesticides. Examples of California-listed systems are Chemprobe, Model II system by Cherlor Mfg. Co., Inc. P.O. Box 2174, Salinas, CA 93903, telephone (408) 422-5477, or the Protect-O-Loader Model XM-1 system sold by Protecto Mfg. Co. 20189 Firerock Road, Bend, OR 97701, telephone (503) 382-6886.

The probe system shall be screwed into the threaded opening in the top of the container to form a watertight connection, using appropriate adapters provided by the probe manufacturer as necessary. The instructions provided by the seller of the probe system shall be followed, except that a removable probe may not be removed from the container until the container is empty and the container and the 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 spray-rinsing 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 the container volume through the system. A minimum pressure of 15 psi shall be used for the spray rinse. Measures 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.

INCIDENT REPORTING

A telephone notification must be made if mixing, loading, or use of a product containing parathion results in (1) inadvertent or unexpected human exposure to the product or illness resulting from exposure to the product, (2) spill of the product, (3) an investigation by Federal, State or local authorities of allegations involving drift of the product, or (4) the deaths of birds or other wildlife. The certified applicator or the owner of the treated land must notify by telephone the Chief, Compliance Branch, Office of Compliance Monitoring, USEPA, at (202) 260-3375 within seven days of becoming aware of the incident.

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to fish and wildlife. Birds in treated areas may be killed. Do not apply directly to water or wetlands (swamps, marshes, bogs and potholes). Run-off and drift from target areas may be hazardous to aquatic organisms in adjacent aquatic sites. Do not contaminate water when disposing of equipment washwaters. This product is extremely 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 NEAR HEAT OR OPEN FLAME

In case of:

FIRE - Use water spray, foam, dry chemical or CO₂.

SPILL OR LEAK - Keep all unprotected persons away. Cover with absorbent such as ash, lime, clay or saw dust. Sweep up and bury. Wash area thoroughly with strong lye solution.

STORAGE AND DISPOSAL

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

Storage and Handling: Handle container carefully as to avoid damage and prevent spills. Do not store in or around the home. Store container in a well-ventilated place. Empty container retains vapor and product residue. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed. Store in a dry location away from children, animals, foods, feeds, seeds, and other agricultural chemicals. Keep container closed when not using. Do not allow water into container as this may cause deterioration of product. Personnel must wear the personal protective equipment specified for "All Other Handlers" listed in the Hazards to Humans section of this label when handling open containers or cleaning up spills. 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, clay, sand, sawdust, or other absorbent material while wearing appropriate protective equipment. Scrape up and dispose of in accordance with information given under PESTICIDE DISPOSAL. In case of fire or other emergency, report at once by toll-free telephone to 800-424-9300.

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.

NOTICE

Seller's guarantee shall be limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Seller, and Buyer assumes the risk of any such use.

(PNO196)

CROP	PESTS CONTROLLED	USE RATE (PINTS PER ACRE)	PRE-HARVEST INTERVAL AND COMMENTS
Alfalfa (Not for use on alfalfa grown for seed)	Aphids (Greenbugs), Alfalfa Weevil, Alfalfa Caterpillars, Armyworms (up to the third instar), Climbing Cutworms, Grasshoppers	1/4 - 1/2	Do not spray alfalfa during bloom periods 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 weeds in the treatment area are in bloom. The restricted entry interval is 3 days. Do not apply more than two applications at 7 day intervals per cutting. California and Nevada regulations limit the use of this material to no more than 3/8 pint per acre.
	Blister Beetle, Leafhoppers, Spider Mites, Spotted Alfalfa Aphid, Flea Beetle, Alfalfa Weevil Larvae	1/3 - 2/3	
	Field Corn Moth	2/3	
Barley and Wheat	Fall Armyworms, Winter Grains Mites	1/4	Do not apply within 15 days of harvest. The restricted-entry interval is 3 days.
	Aphids (Greenbugs), Armyworms (up to the third instar), Black Grass Bugs (Chobias), Blister Beetles, Brown Wheat Mites (Petrobia), Grasshoppers, Leafhoppers, Silex Bugs	1/2 - 2/3	Do not apply more than 6 applications at 7 day intervals per growing season
Corn			Do not apply within 12 days of harvest, cutting, or forage use. The restricted-entry interval is 6 days. Do not apply more than 6 applications at 5 day intervals per growing season.
	Aphids, Borers, European Corn Borers	1/2	Make 1 or more applications when borer damage threatens depending on the extent of infestation and degree of control desired. Consult your State Agricultural Experiment Station for proper timing of treatments.
	Spider Mites	1/2	
	Armyworms (up to the third instar), Fall Armyworms, Rootworm Adults	1/4	
Cotton	Boll Weevil, Overwintered Boll Weevil, Salt Marsh Caterpillar	2/3 - 1 1/3	Do not apply within 7 days of harvest harvest. Workers entering fields within 3 days of application must wear protective clothing. The restricted-entry interval is 3 days.
	Aphids, Armyworms (up to the third instar), Cabbage Looper, Sunk Bugs	1	Do not apply more than 6 applications at 7 day intervals per growing season
	Brown Cotton Leafworm, Cotton Leafworm, Cotton Fleahopper, Garden Webworm, Leafhoppers, Leaf Rollers, Lygus Bugs, Red Spider Mites, Serpentine Leaf Miners, Thrips	1/2	
	Bollworm, Tobacco Budworm	1 3/5	

CROP	PESTS CONTROLLED	USE RATE (PINTS PER ACRE)	PRE-HARVEST INTERVAL AND COMMENTS
Rapeseed (Oil-producing varieties only, which include Canola and Canolic)			Apply in sufficient water for good coverage (3 to 10 gallons of water per acre) when damaging populations are present. To protect pollinators, apply only in the evening (this includes a period from 3 hours before sunset until midnight of the same day). Preharvest interval is 28 days; do not treat within 28 days of harvest. DO NOT graze treated fields or feed treated forage, livestock waste, or seed screenings to livestock. The restricted-entry interval is 3 days.
	Cabbage Seed Pod Weevil (Centorhynchus asinaria)	2/3	Treat when one or more weevils may be found per plant on young pods.
	Aphids	2/3	Treat about mid-growing season when insect populations reach economic thresholds.
	Flea Beetles	2/3	Treat in early season when significant shotholing by the adults becomes evident on rape seedling.
	Diamondback Moth Larvae	2/3	Treat about 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.
	Sorghum	Corn Earworm, Corn Leaf Aphids, Field Chinch Bugs, Sorghum Web Worms	1/3
Sorghum Midge		1/2	
Soybeans	Aphids, Armyworms (up to the third instar), Blister Beetle, Climbing Cutworms, Fall Armyworms, Flea Beetles, Grasshoppers, Leafhoppers, Leaf Miners, Mites	1/3	Do not apply within 20 days of harvest, cutting or forage use. The restricted entry interval is 3 days. Do not apply more than 2 applications per growing season. The interval between applications is 7 days.
	Alfalfa Loopers, Lygus Bugs, Sunk Bugs	1/2	
Sunflowers	Sunflower Weevil, Sunflower Moth, Sunflower Maggot, Sunflower Stem Weevil, Grasshopper	7/8	Apply in sufficient water for thorough coverage. Do not apply more than 3 times at 5-day intervals per season. Do not feed seed to birds. Do not apply within 30 days of harvesting, preparing, cutting or foraging. The restricted-entry interval is 3 days.

21