

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

MAR 8 2005

Ms. Marla K. Jackson  
Brazos Associates, Inc.  
Agent for Voluntary Purchasing Group, Inc.  
1806 Auburn Drive  
Carrollton, TX 75007

Dear Ms. Jackson:

Subject: Deletion of Unsupported Malathion Uses  
Hi-Yield Low Volume Malathion Concentrate  
EPA Reg. No. 7401-206  
Your Application of April 15, 2004  
Federal Register Notice of November 5, 2003

The labeling amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, As Amended (FIFRA), is acceptable, provided that you submit two copies of your final printed label incorporating the following corrections before you release the product for shipment.

1. Correct the application rates for alfalfa and clover, and the crops, pasture and range grass, grass hay to a maximum rate of 8 ounces of product as they appear on the registered label for the product (stamp-dated January 12, 1968). Refer to item two in our previous letter dated March 19, 2004.

2. On page seven in the section headed Other Agricultural Uses, correct the pre-harvest interval statement and the grazing and feeding prohibition statement so that it is clear that the grazing and feeding of treated grain sorghum and bean crop foliage to livestock is prohibited.

2/10

If this condition is not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended label constitutes acceptance of this condition.

A stamped copy of the label is enclosed for your records.

Sincerely,



Marilyn A. Mautz  
Biologist  
Insecticide-Rodenticide Branch  
Registration Division (7504C)

3/10

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAR 8 2005

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
7401-206

[FRONT LABEL PANEL]

# Hi-Yield®

## LOW VOLUME MALATHION CONCENTRATE

**ACTIVE INGREDIENT:**

Malathion ( O, O-dimethyl dithiophosphate of  
diethyl mercaptosuccinate ..... 95.00%

**OTHER INGREDIENTS:** ..... 5.00%

**TOTAL:** ..... 100.00%

(Contains 9.7 pounds of Malathion per gallon)

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**See Back/Side Label Panel for Additional Precautionary Statements**

Net Contents \_\_\_\_\_

**[BACK/SIDE LABEL PANEL]****PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Harmful if swallowed, inhaled or absorbed through skin. Avoid breathing vapors or spray mist. Avoid contact with skin, eyes, or clothing. Do not contaminate feed or foodstuffs.

**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 the EPA chemical resistance category selection chart.

**Applicators and other handlers must wear:** long-sleeved shirt and long pants, chemical resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber or viton, and shoes plus socks.

Follow manufacturer's instructions for cleaning and 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 with 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.

**USER SAFETY RECOMMENDATIONS**

Users 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.

**[BACK/SIDE LABEL PANEL]**

<b>FIRST AID ORGANOPHOSPHATE PESTICIDE</b>	
If swallowed	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give <b>any</b> liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
If inhaled	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
If on skin or clothing	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If in eyes	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 or 1-800-900-4044 for emergency medical treatment information.</p>	
<p><b>NOTE TO PHYSICIAN:</b> Contains petroleum distillate - vomiting may cause aspiration pneumonia. This product is an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine.</p>	

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish, aquatic invertebrates, and aquatic life stages of amphibians. 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. Drift and runoff may be hazardous to aquatic organisms in areas near the application site. Do not contaminate water when disposing of equipment washwaters. This product is toxic to bees exposed to direct treatment 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 AND CHEMICAL HAZARDS**

Do not use, pour, spill or store near heat or open flame.

**[BACK/SIDE LABEL PANEL]**

**DIRECTIONS FOR USE**

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

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and 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 interval. 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 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, viton and shoes plus socks.

**STORAGE AND DISPOSAL**

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

**STORAGE:** Store in cool, dry, well-ventilated area. Store separately from strong alkalis and strong oxidizers. Keep container tightly closed when not in use.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. 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: Plastic:** 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. **Metal:** 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.

**[BACK/SIDE LABEL PANEL]**

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

**AGRICULTURAL USES  
OPERATING INSTRUCTIONS**

This product is used undiluted in specially designed aircraft or ground equipment capable of applying ultra low volumes for control of the insects indicated. Aerial applications are most effective when made at a boom height of 5 feet and a swath width of 50 feet. Apply only when weather conditions are favorable. Wind and rising air currents may cause undesirable spray drift and reduce insect control.

Mist blowers and boom sprayers utilizing a controlled air flow to facilitate particle size and spray deposition may be used at a vehicle speed of 4 to 10 mph.

Mist blowers with a pump capable of producing up to 40 psi and blower speeds of 2600 rpm are satisfactory. Use flat fan nozzles, 8001 to 8002, place 30° into air blast or rotary atomizer into the air blast that produce an efficient spray particle with a mass median diameter of 40 to 100 microns. Swath widths should not exceed 30 feet. Apply only when weather conditions are favorable. Wind and rising air currents may cause undesirable spray drift and reduce insect control.

Boom sprayers with a filtered rotary air compressor, either PTO or gas engine driven or an air pump capable of producing at least 12 psi are satisfactory. Use air pressure on chemical tanks and an accurate metering valve to assure a calibrated flow of the pesticide. Air should be regulated with relief valve and gauge for proper air and liquid mixture. Pneumatic-type spray nozzles, as suggested by equipment manufacturer, should be used for spray particles with mass median diameter of 30 to 100 microns. Apply only when weather conditions are favorable. Wind and rising air currents may cause undesirable spray drift and reduce insect control. Repeat applications should be made as necessary unless otherwise specified.

**IMPORTANT NOTICE:** Undiluted spray droplets of this product will permanently damage automobile paint. If accidental exposure does occur, the vehicle should be washed immediately. Consult your state experiment station or state extension service for proper timing of sprays. This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

8/10

**[BACK/SIDE LABEL PANEL]**

Crop	Pests Controlled	Fluid Ounces per Acre	Days to Harvest or Grazing and Comments
Alfalfa	Alfalfa Caterpillar	8	0 day. Apply when larvae are small.
	Western Yellow Striped Armyworm	12	5 days. Apply when larvae are large or when foliage is dense.
	Alfalfa Weevil Larvae	16	5 days. Apply when day temperatures are expected to exceed 65F. and when 50-75% of leaves show feeding damage.
	Beet Armyworm	8	0 day. Apply when larvae are small.
		16	5 days. Apply when larvae are large or when foliage is dense.
	Grasshoppers	8	0 day.
	Do not apply to alfalfa in bloom. Do not apply to seed alfalfa.		
Beans (Dry & Succulent)	Mexican Bean Beetle Leafhoppers Green Cloverworm Japanese Beetle Lygus Bug	8	1 day. Do not graze or feed treated crop foliage to livestock.
Clover, Pasture and Range Grass, Grass Hay	Blackgrass Bugs Grasshoppers	8-12	0 day. Do not apply to clover in bloom.
Corn	Adult Corn Rootworm	4	5 days.
	Grasshoppers		
	Cereal Leaf Beetle		
Cotton	Aphids (Green Peach and Cotton)	8-12	0 day.
	Boll Weevil		Early to midseason
	Grasshoppers		Late season
	Fleahoppers Leafhoppers		Moderate Populations Very heavy or migrating populations
	Lygus Bugs including Tarnished Plant Bugs		
	Thrips		
Grain Sorghum	Grasshoppers Sorghum Midge	4-8	7 days. Do not graze or feed treated crop foliage to livestock. 7 days. Apply during the bloom stage.



9/10

Grasses	Blackgrass Bugs Grasshoppers	4-8	0 day.
	Cereal Leaf Beetle		
Oats	Cereal Leaf Beetle	4-8	7 days.
	Grasshoppers		
Rice	Grasshoppers	8	7 days. Broadcast use only over intermittently flooded areas. Application may not be made around bodies of water where fish or shellfish are grown and/or harvested commercially.
Rice-Grain Form (Louisiana, Texas)	Rice Stink Bug	8	7 days. Apply by aircraft only. Apply during early milk and dough stage of growing rice. Broadcast use only over intermittently flooded areas. Application may not be made around bodies of water where fish or shellfish are grown and/or harvested commercially.
Rye	Grasshoppers	4-8	7 days.
Wheat	Cereal Leaf Beetle	4-8	7 days.
	Grasshoppers		
Nonagricultural Lands (Wastelands, roadsides, soil bank lands)	Beet Leafhopper (on wild host plants)	8	0 day.
	Blackgrass Bugs Grasshoppers		

### OTHER AGRICULTURAL USES

Alfalfa, Clover, Pasture and Range Grass, Grass and Grass Hay, Grain Sorghum, Barley, Corn, Oats, Rye, Wheat, Beans, Rice, and Nonagricultural Lands (Wastelands): Adult mosquitoes and flies - Apply this product at the rate of 2 to 4 fluid ounces per acre for control of adult mosquitoes and at 6 to 8 fluid ounces per acre for control of adult flies and mosquitoes. Repeat applications as necessary. On alfalfa, clover, pasture and range grass, grass and grass hay, may be applied on day of harvest or grazing. Do not apply to alfalfa and clover in bloom. Do not use on seed alfalfa. On grain sorghum, barley, oats, rye and wheat make no application within 7 days of harvest or forage use; on corn, within 5 days of harvest or forage; on rice within 7 days of harvest; on beans within 1 day of harvest. Do not graze or feed treated crop foliage to livestock.

Undiluted spray droplets of this product will permanently damage automobile paint unless these specific instructions for ground and aerial applications are followed. See "Important Notice" under "Agricultural Uses Operating Instructions" section.

10/10

**[BACK/SIDE LABEL PANEL]**

**NOTE:** Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith. Voluntary Purchasing Groups, Inc. warrants this product to conform to the chemical description on the label and for the purposes stated on the label. The limit of any liability incurred shall be the purchase price paid by the user or buyer.

Voluntary Purchasing Groups, Inc.  
P.O. Box 460  
Bonham, TX 75418

EPA Reg. No. 7401-206  
EPA Est. No. 7401-TX-1

Revised: 4/15/04

S:\Main\Voluntary Purchasing Groups\Labels\HY Low Volume Malathion Concentrate