

PM-13

Reg # 5481-73  
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

193

~~360/5481-73R~~  
18/9

24 JAN 1997

Mr. Rusty F. Millar  
Manager Regulatory Affairs  
AMVAC Chemical Corporation  
4100 East Washington BLVD.  
Los Angeles, CA 90023

Dear Mr. Millar:

Subject: Label Amendments in Response to Basic Suppliers  
Deletion of Certain DDVP Uses  
FLY Fighter Liquid Concentrate  
Reg. No. 5481-73  
Your Submission Dated October 9, 1996

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. Five copies of the finished labeling must be submitted prior to releasing the product for shipment. As stamped label is enclosed for your records.

- 1. Under "Direction for "Dairy and Beef Cattle", add the following statement:

Do not make direct application to livestock more frequently than once per day.

If you have questions concerning the above, please contact me.

Sincerely,

George T. LaRocca  
Product Manager (13)  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

CONCURRENCES

SYMBOL	SURNAME	DATE						

BEST AVAILABLE COPY



For Agricultural/Commercial Use Only. Not For Sale For Any Other Uses.

ANIMAL BUILDINGS

DAIRY BARNs, STABLES, LIVESTOCK BUILDINGS, LOAFING SHEDS, PIG PENS: Before treatment, close all doors, windows, and other openings. Remove animals before treatment. Applicator must not remain in treated area. Start application at far end of building and back up towards exit while treating. Keep area closed for at least 10 minutes to kill resting, adult flying insects. After treatment the area should be opened up and ventilated prior to reoccupying by humans or animals. Do not contaminate feed, food, water, foodstuffs, milk or milking utensils. Do not apply in areas where animals have received direct application of DDVP within 8 hours. Spraying of animals should be done outdoors as a separate treatment. Repeat treatments as necessary.

FOGGING: Apply as a 0.5% to 1.0% fog to control flies, gnats and mosquitoes. For the 0.5% solution mix 1 pint in 7 gallons of diesel oil. For the 1.0% solution mix 1 quart in 7 gallons of diesel oil. Employ an appropriate "fogging" machine to apply at the rate of 1 quart of the 0.5% solution or 1 pint of the 1.0% solution for 8,000 cubic feet.

SPRAYING: For control of flies, gnats, mosquitoes, roaches, fleas, ants, sowbugs and brown dog ticks, apply as a 0.5% solution by mixing 2 1/2 fluid ounces in 1 gallon of water, equal to 1 pint in 6 gallons of water or 1 gallon in 50 gallons of water. (A baited spray can be prepared by adding 1 pound of sugar per 1 gallon of spray solution). Apply as a coarse, wet spray at the rate of 1 quart per 1,000 sq.ft. Treat doorways, feed storage rooms, alleyways, and window sills. Repeat treatment as needed for insect control.

POULTRY HOUSES

Apply to manure, window sills, outside of penned enclosures, and on floor of feed storage rooms.

DOG KENNELS

Apply to outside dog runways, window sills and ledges. For the control of fleas and brown dog ticks increase dosage to 2 quarts of 0.5% spray per 1,000 sq.ft. For indoor uses only crack and crevice treatments are permitted. Space spray use is prohibited.

MANURE PILES, GARBAGE DUMPS

For the control of fly maggots in maggot breeding areas, apply at the rate of 1-2 quarts of 0.5% spray per 100 square feet. Birds feeding on treated areas may be killed.

IMPORTANT: PLEASE READ BEFORE USE

By using this product, the user accepts the following: LIMITED WARRANTY: AMVAC warrants that (a) this product conforms to the chemical description on its label; (b) this product is reasonably fit for the purposes stated on its label, subject to the inherent risks referred to herein, when used in accordance with its directions; and (c) that the directions, warnings, cautions, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and plants, of residues on food crops, and upon reports of field experience. Testing has not been performed on all varieties of food crops, and plants, in all states, or under all application, weather and crop conditions. There are no express warranties other than those set forth herein. Amvac neither makes nor intends, nor does it authorize any agent or representative to make, any other warranty, express or implied. Amvac expressly excludes and disclaims all implied warranties of merchantability, fitness for particular purpose, or any other warranty of quality or performance. This warranty does not extend to, and the user shall be solely responsible for, any loss or damage which results from the use of this product in any manner which is inconsistent with this label's directions, warnings or cautions. User's exclusive remedy and Amvac's or seller's exclusive liability for any claim, loss, damage, or injury resulting from the use or handling of this product, whether or not based in contract, negligence, strict liability in tort, or otherwise, shall be limited, at Amvac's option, to replacement of, or repayment of the purchase price for, the quantity of product with respect to which damages are claimed. In no event shall Amvac or Seller be liable for special, indirect, or consequential damages resulting from the use or handling of this product. (c:5481-73.PMS/110-30-96)

FLY FIGHTER LIQUID CONCENTRATE

Kills Flies Fast in Seconds

Table with 2 columns: ACTIVE INGREDIENTS, INERT INGREDIENTS. Includes 2,2-Dichlorovinyl dimethyl phosphate (23.25%), Related Compounds (1.75%), and INERT INGREDIENTS (75.00%). Total 100.00%.

This Product Contains 2 Pounds of DDVP Per Gallon.

KEEP OUT OF REACH OF CHILDREN DANGER-POISON with skull and crossbones symbols.

STATEMENT OF PRACTICAL TREATMENT: IF SWALLOWED: Call a physician or Poison Control Center. 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 or convulsing person. IF INHALED: Remove to fresh air. Call a physician immediately. IF ON SKIN: Immediately remove contaminated clothing and flush affected areas with plenty of water. IF IN EYES: Immediately flush with plenty of water. Call a physician immediately. NOTE TO PHYSICIAN: This product is a cholinesterase inhibitor. Refer to NOTE on side panel for additional antidotal and precautionary information.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER: Poisonous if swallowed, inhaled or absorbed through the skin or eyes. Rapidly absorbed through skin. Repeated inhalation or skin contact may, without symptoms, progressively increase susceptibility to DDVP poisoning. Do not swallow or get in eyes, on skin, or on clothing. Do not breathe vapors. Keep out of reach of children and domestic animals. Do not contaminate water, feed or foodstuffs. Mix the concentrate outdoors or in a well ventilated room. Keep all unprotected persons out of operational area. In case of contact, wash immediately with soap and water. Wash thoroughly with soap and water before eating or smoking. Wash all contaminated clothing with soap and hot water before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE) Some materials that are chemical resistant to this product are listed below. If you want more options follow the instructions of category "C" on an EPA chemical resistance category selection chart in the Worker Protection Standard.

Applicators and other Handlers must wear: Coveralls over long sleeve shirt and long pants. Chemical Resistant gloves such as Barmer Laminates, Butyl Rubber, Nitrile Rubber, Neoprene Rubber, Polyvinyl Chloride or Viton. Chemical resistant footwear plus socks. Protective eyewear. Chemical-resistant headgear for overhead exposure. Chemical resistant apron required for mixing/loading and cleaning equipment. A respirator with either an organic vapor removing O/V 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. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturers instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS EPA REG. NO. 5481-73 EPA EST. NO. 5481-CA-1

NET CONTENTS 1 GALLON AMVAC CHEMICAL CORPORATION 4100 EAST WASHINGTON BLVD. - LOS ANGELES, CA 90023 U.S.A.

NOTE TO PHYSICIAN: Symptoms include weakness, headache, blurred vision, pinpoint pupils, salivation, sweating, nausea, vomiting. Atropine is the specific therapeutic agent. Atropine should be administered at 10 minute intervals in doses of 1 mg. Morphine is contraindicated. Clear cholinesterase inhibitors may without warn doses of any cholinesterase inhibitor. Allow regeneration has been allowed as determined administered but only in conjunction with Atropine. ENVIRONMENTAL: This product is toxic to fish and wildlife. Do not contaminate water by cleaning of equipment or disposal. PHYSICAL OR CHEMICAL: Keep away from children.

It is a violation of Federal law to use this product on any area not specified on label. Do not treat more than 5 applications sites per day and 5 sites per year.

STORAGE AND HANDLING: Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are acutely hazardous. Improper disposal is a violation of Federal law. If these instructions, contact your nearest State Department of Pesticide Regulation for the appropriate hazardous waste representative at the nearest container disposal site. Triple rinse (or equivalent) and recycle where allowed. Follow all other approved State and local procedures.

Read entire label before use. ALCO FLY FIGHTER Liquid Concentrate is a fly repellent and non-resistant flies around dairy sheds, battery poultry establishments, farm buildings and garbage cans. Applied inside garbage cans. Refer to PERSONAL PROTECTIVE EQUIPMENT section for use of an approved respirator to be used when applying this product.

FLY CONTROL ON DAIRY ANIMALS

Mix 1 gallon Alco Fly Fighter Liquid Concentrate with 1/2 fluid ounces/gal. of water. Apply 2 to 4 times daily using a hand or automatic sprayer. Do not apply to wet hair. Do not apply to dairy animals, wash the teats with an approved disinfectant. Do not treat sick or convalescing dairy animals, as they may show hypersensitivity. Do not apply dermally in conjunction with trichlorfon or within a few days before or after treatment with inhibiting drugs, pesticides or chemicals.

GARBAGE CANS

To give local control of yellow jackets, apply inside of the container each time the contents are emptied.

FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY TRANSPORTATION: CHEMTREC 1-800-424-9300 MEDICAL: HAZARD INFORMATION SERVICES (H.I.S.) 1-800-228-5636 Ext. 169

RECD 2/10/90

393



For Agricultural/Commercial Use Only. Not For Sale For Any Other Uses.

# FLY FIGHTER LIQUID CONCENTRATE

## Kills Flies Fast in Seconds

ACTIVE INGREDIENTS:	
2,2-Dichlorovinyl dimethyl phosphate - - - -	23.25%
Related Compounds - - - - -	1.75%
INERT INGREDIENTS:- - - - -	75.00%
Total 100.00%	

This Product Contains 2 Pounds of DDVP Per Gallon.

**DINGS**  
**INGS, LOAFING SHEDS, PIG PENS:**  
 er openings. Remove animals before  
 area. Start application at far end of  
 ep area closed for at least 10 minutes  
 the area should be opened up and  
 als. Do not contaminate feed, food,  
 apply in areas where animals have  
 Spraying of animals should be done  
 ts as necessary.  
 flies, gnats and mosquitoes. For the  
 or the 1.0% solution mix 1 quart in 7  
 ng\* machine to apply at the rate of 1  
 ution for 8,000 cubic feet.  
 , roaches, fleas, ants, sowbugs and  
 2 1/2 fluid ounces in 1 gallon of water,  
 gallons of water. (A baited spray can  
 of spray solution). Apply as a coarse,  
 reat doorways, feed storage rooms,  
 needed for insect control.  
**USES**  
 osures, and on floor of feed storage

**ELS**  
 s. For the control of fleas and brown  
 per 1,000 sq. ft. For indoor uses only  
 spray use is prohibited.

**BAGE DUMPS**  
 reas, apply at the rate of 1-2 quarts  
 n treated areas may be killed.

**BEFORE USE**  
**wing: LIMITED WARRANTY:**  
 emical description on its label; (b) this  
 bl, subject to the inherent risks referred  
 and (c) that the directions, warnings,  
 on responsible experts' evaluations of  
 animals and plants, of residues on food  
 k been performed on all varieties of food  
 eather and crop conditions.  
 rth herein. Amvac neither makes nor  
 t makes, any other warranty, express or  
 d warranties of merchantability, fitness  
 performance.  
 y responsible for, any loss or damage  
 hich is inconsistent with this label's  
 liability for any claim, loss, damage, or  
 t, whether or not based in contract,  
 ed, at Amvac's option, to replacement  
 roduct with respect to which damages  
 or special, indirect, or consequential  
 t. (c:5481-73,PMS/10-30-96)

**PHONE 24 HOURS A DAY**  
 - 1-800-424-8300  
 (U.S.) 1-800-228-5635 Ext. 169

**KEEP OUT OF REACH OF CHILDREN**  
**ANGER-POISON**

If used as directed in accordance with a sign on the can or in English as stated on details.  
 (If you do not understand the label, find someone to explain it to you in detail.)

**STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED:** Call a physician or Poison Control Center. 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 or convulsing person. **IF INHALED:** Remove to fresh air. Call a physician immediately. **IF ON SKIN:** Immediately remove contaminated clothing and flush affected areas with plenty of water. **IF IN EYES:** Immediately flush with plenty of water. Call a physician immediately. **NOTE TO PHYSICIAN:** This product is a cholinesterase inhibitor. Refer to NOTE on side panel for additional antidotal and precautionary information.

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
**DANGER:** Poisonous if swallowed, inhaled or absorbed through the skin or eyes. Rapidly absorbed through skin. Repeated inhalation or skin contact may, without symptoms, progressively increase susceptibility to DDVP poisoning. Do not swallow or get in eyes, on skin, or on clothing. Do not breathe vapors. Keep out of reach of children and domestic animals. Do not contaminate water, feed or foodstuffs. Mix the concentrate outdoors or in a well ventilated room. Keep all unprotected persons out of operational area. In case of contact, wash immediately with soap and water. Wash thoroughly with soap and water before eating or smoking. Wash all contaminated clothing with soap and hot water before reuse.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical resistant to this product are listed below. If you want more options follow the instructions of category "C" on an EPA chemical resistance category selection chart in the Worker Protection Standard.  
**Applicators, and other Handlers must wear:** Coveralls over long sleeve shirt and long pants. Chemical Resistant gloves such as Barrier Laminite, Butyl Rubber, Nitrile Rubber, Neoprene Rubber, Polyvinyl Chloride or Viton. Chemical resistant footwear plus socks. Protective eyewear. Chemical-resistant headgear for overhead exposure. Chemical resistant apron required for mixing/loading and cleaning equipment. A respirator with either an organic vapor removing, O/V, cartridge with a prefilter approved for pesticides (NIOSH approval number prefix TC-22C), or a canister approved for pesticides (NIOSH approval number prefix TC-14G).  
**Discard clothing, and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturers instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.**

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS  
 EPA REG. NO. 5481-73 EPA EST. NO. 5481-CA-1  
 NET CONTENTS 1 GALLON  
**AMVAC CHEMICAL CORPORATION**  
 4100 EAST WASHINGTON BLVD. - LOS ANGELES, CA 90023 U.S.A.

**BEST AVAILABLE COPY**

**NOTE TO PHYSICIAN - - - POISONING SYMPTOMS**

Symptoms include weakness, headache, lightness in chest, blurred vision, non-reactive pin point pupils, salivation, sweating, nausea, vomiting, diarrhea, and abdominal cramps. **TREATMENT -** Atropine is the specific therapeutic antagonist of choice against parasympathetic nervous stimulation. If there are signs of parasympathetic stimulation Atropine Sulfate should be injected at 10 minute intervals in doses of 1 to 2 milligrams until complete atropinization has occurred. Morphine is contraindicated. Clear chest by postural drainage. Repeated exposure to cholinesterase inhibitors may without warning cause prolonged susceptibility to very small doses of any cholinesterase inhibitor. Allow no further exposure until time for cholinesterase regeneration has been allowed as determined by blood test. 2 PAM is also antidotal and may be administered but only in conjunction with Atropine.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish and wildlife. Do not apply directly to lakes, streams or ponds. Do not contaminate water by cleaning of equipment or disposal of wastes.

**PHYSICAL OR CHEMICAL HAZARDS**  
 Keep away from heat or open flame.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply to any area not specified on label. Not for use or storage in or around the home. Do not treat more than 5 applications sites per day and do not make DDVP applications more than once per week.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Store product in original container in a cool, dry, locked place out of reach of children. **PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinseate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your nearest 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 dispose of in a sanitary landfill or by other approved State and local procedures.

**Read entire label before using. Use only as directed.**

**ALCO FLY FIGHTER Liquid Concentrate** is an insecticide especially formulated for the control of resistant and non-resistant flies around dairy barns, stables, barns, feed yards, corrals, loafing sheds, battery poultry establishments, farm buildings, animal hospitals, refuse collection areas and garbage cans. Applied inside garbage cans, it keeps yellow jackets under control in local areas.  
 Refer to **PERSONAL PROTECTIVE EQUIPMENT (PPE)** paragraph for information concerning an approved respirator to be used when applying this product.

**FLY CONTROL ON DAIRY AND BEEF CATTLE**

Mix 1 gallon Alco Fly Fighter Liquid Concentrate in 50 gallons of water (5 tbsps. or 2 1/2 fluid ounces/gal. of water). Apply 2 to 4 fluid ounces daily per animal as a mist spray, using a hand or automatic sprayer. Do not apply more than 4 fluid ounces per animal. Apply as to wet the hair. Do not apply to young calves under 6 months old. After treating dairy animals, wash the teats with an approved cleaning solution and then dry them prior to milking. Do not treat sick or convalescing animals. Do not treat Brahman or Brahman-Cross cattle, as they may show hypersensitivity to organophosphate insecticides. Do not apply dermally in conjunction with trichlorfon and do not use on animals simultaneously or within a few days before or after treatment with, or exposure to, cholinesterase inhibiting drugs, pesticides or chemicals.

**GARBAGE CANS, REFUSE CANS**

To give local control of yellow jackets, apply the 0.5% spray to the inside of the lid and inside of the container each time the container is emptied.

ACCEPTED COMMENTS  
 RECD 2/17/97  
 24 JAN 1997  
 Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 5481-73