

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

September 02, 2005

Mr. Jon C. Wood,  
Director of Registrations  
Amvac Chemical Corporation  
4695 MacArthur Court, Suite 1250  
Newport Beach, CA 92660

Subject: Revise labeling (Add PPE and REI statements) per CDPR Regulations and PR Notice 2001-1  
  
ALCO Fly Fighter Fly Bait (EPA Reg. No. 5481-9)  
ALCO DDVP 1 Spray (EPA Reg. No. 5481-41)  
ALCO Fly Fighter Liquid Double Strength (EPA Reg. No. 5481-73)  
ALCO DDVP 4-E Emulsifiable Concentrate (EPA Reg. No. 5481-204)

Your submissions dated February 28, 2005

Dear Mr. Wood:

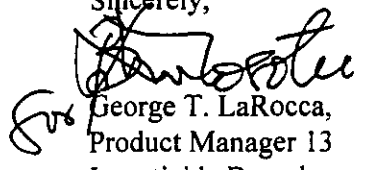
We have reviewed the above referenced submissions regarding registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended. The labeling for the subject products are acceptable with the following comments:

- **Precautionary Statements:**  
*Revise the statement "Wash thoroughly after using, and before eating or smoking" to read "Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco".*

Please make the above stated changes and for each product, submit to the Agency, two copies of the revised final printed label. Enclosed, find copies of the stamped labels for your records.

If you have any questions concerning this action, please contact Dr. B.A. Akinlosotu at (703) 605-0653.

Sincerely,



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

enclosure:

CONCURRENCES							
SYMBOL	7505C						
SURNAME	Akinlosotu						
DATE	9/2/05						

# ALCO DDVP 1 SPRAY INSECTICIDAL CONCENTRATE

For Sale To, Use and Storage by Licensed Pest Control Operators and/or Veterinarians Only.  
For Agricultural/Commercial Uses Only. Not For Sale For Any Other Uses

<b>ACTIVE INGREDIENT:</b>	
2,2-Dichlorovinyl dimethyl phosphate.....	12.10%
Related Compounds .....	0.91%
<b>INERT INGREDIENTS:</b> .....	86.99%
<b>TOTAL:</b> .....	100.00%

This product contains 1 pound of DDVP per gallon.



**KEEP OUT OF REACH OF CHILDREN  
DANGER - PELIGRO  
POISON**



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

<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled</b>	<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>
<b>If on skin or clothing</b>	<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>
<b>If in eyes</b>	<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>
<b>EMERGENCY INFORMATION</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY:	
Transportation: CHEMTREC.....	1-800-424-9300
Other: AMVAC.....	1-323-264-3910

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE.

EPA Reg. No. 5481-41  
EPA Est. No. 5481-CA-1

Net Weight:  
As Marked on Container

**AMVAC**  
 4100 E. Washington Blvd.  
 Los Angeles, CA 90023 U.S.A  
 1-323-264-3910 • www.amvac-chemical.com

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated:**  
**SEP 2 2005**  
 Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act,  
 as amended, for the pesticide  
 registered under EPA Reg. No.  
 5481-41

**NOTE TO PHYSICIAN**

This product is a cholinesterase inhibitor. Atropine is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine. Solvent presents aspiration hazard. Gastric lavage is indicated if material was taken internally. Symptoms include weakness, headache, tightness in chest, blurred vision, non-reactive pinpoint pupils, salivation, sweating, nausea, vomiting, diarrhea, and abdominal cramps. 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.

**STATEMENT OF PRACTICAL TREATMENT**

Call a physician or Poison Control Center immediately. If possible, vomiting should be done under medical supervision.

**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 or on skin. 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. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately.

**CALIFORNIA ONLY:** When used in enclosed structures, do not enter or allow worker entry during the Restricted Entry Interval (REI) of 24 hours.

**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 (WPS).

Applicators and other handlers must wear:

- Coveralls over long-sleeved shirt and long pants
- Chemical resistant gloves such as barrier laminate, 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
- Respirator with 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) or a NIOSH approved respirator with an organic vapor-removing (O/V) cartridge or canister with any R, P or HE prefilter.

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.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish and wildlife. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

**PHYSICAL OR CHEMICAL HAZARDS**

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

**USE PRECAUTIONS**

Prepare only the amount of spray needed for immediate use. Do not attempt to use leftover solution. Wash spills from container after use with plenty of running water. Decontaminate and clean up spills of the concentrate by applying caustic solution or strong detergent. Dispose of washings in a manner so as to not create a hazard. In mixing and loading operations, mix in a well-ventilated room or preferably outdoors. Do not use, pour, spill or store near heat or open flames.

ALCO DDVP 1 SPRAY is designed for use in either water or oil based sprays. When used inside enclosed areas, the product exhibits a fuming, penetrating action that aids in flushing out and killing insect pests in hidden, hard to reach places.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not treat more than 5 applications sites per day and do not make DDVP applications more than once per week.

**AGRICULTURAL PREMISES**

**ANIMAL SHELTERS, BARN, AROUND FEED LOTS, DAIRY BARN, MILK SHEDS, POULTRY HOUSES, HOG BARN, STABLES AND OTHER FARM BUILDINGS TO CONTROL FLIES, GNATS, MOSQUITOES, FLEAS, ANTS, BROWN DOG TICKS AND SOWBUGS.**

Use ALCO DDVP 1 SPRAY at a 0.5% concentration. To prepare a 0.5% solution, dilute 1 quart in 6 gallons of water. Apply as a coarse spray at the rate of 1 quart of solution to each 1,000 sq. ft. of surface treated. Apply to all exterior and interior surfaces, treating windowsills, around doors, fences and ledges, and other areas where flies congregate or nest.

For Fleas, direct spray to floors, baseboards or base of walls inside. For Roaches, direct spray to cracks, crevices in walls, along base of walls and where seen running or hiding. Before treating enclosed areas, reduce air movement as much as possible by closing doors, windows, ventilators and other openings. Do not contaminate water, feed, foodstuffs, milk or milking utensils. Repeat application as necessary. Fly control may be improved by the addition of 1 to 2 pounds of sugar to each 6 gallons of dilute spray solution. Do not treat humans or animals with this solution.

1. Allow 24 hours between applications to calves under 6 months of age.
2. Brahman or Brahman cross cattle should not be treated, as they may show hypersensitivity to organophosphates.
3. Do not treat animals within one day of slaughter.
4. Do not apply dermally in combination with tichlorfon.
5. Do not use in homes.

**FOR ENCLOSED STRUCTURES**

Treatment should be made during hours when buildings are unoccupied. Buildings should be closed and ventilation kept at a minimum during application of the insecticide. Lock all entrances and do not allow unprotected workers to enter building when being treated.

Place WARNING signs at all entrances stating:

**"THIS BUILDING SHOULD BE OPENED AND AIRED PRIOR TO RE-ENTRY TO UNPROTECTED WORKERS. THIS BUILDING MUST NOT BE ENTERED WITHOUT PERSONAL PROTECTION EQUIPMENT FOR 24 HOURS; OR, UNTIL A DIRECT INDICATING SHORT TERM CONCENTRATION MONITORING DEVICE (E.G. A DRAGER TUBE) INDICATES THAT THE DDVP AIR CONCENTRATION IS EQUAL TO, OR LESS THAN, 50% OF THE PEL (0.1 PPM); AN AIR CONCENTRATION OF 0.05 PPM OR LESS [FOR CALIFORNIA - 0.01 PPM OR LESS] IS REQUIRED FOR ENTRY WITHOUT PERSONAL PROTECTION EQUIPMENT.**

**DO NOT ENTER PRIOR TO \_\_\_\_\_ O'CLOCK \_\_\_\_\_ (DATE) WITHOUT PERSONAL PROTECTION EQUIPMENT UNLESS AIR CONCENTRATIONS OF DDVP AREA 50% OF THE PEL OR LESS."**

IN CALIFORNIA: PERSONS ARE NOT ALLOWED TO ENTER TREATED STRUCTURES BEFORE 24 HOURS AFTER TREATMENT WITHOUT PERSONAL PROTECTIVE EQUIPMENT (PPE), OR UNTIL AIR MONITORING AS ABOVE SHOWS DDVP CONCENTRATIONS TO BE 0.1 ug/l OR LOWER; (0.01 PPM OR LESS).

**FLY CONTROL ON DAIRY AND BEEF CATTLE**

**HORN FLIES, FACE FLIES, HOUSE FLIES, STABLE FLIES AND ADULT MOSQUITOES**

Do not make direct application to livestock more frequently than once per day. Use ALCO DDVP 1 SPRAY at a 1.0% concentration. To prepare a 1.0% solution, mix 2 quarts in 6 gallons of water. Apply as a fine mist spray using hand or automatic equipment. Make daily application of 1 to 2 ounces per animal, making thorough application to cover all parts of the animal including legs. Apply to moisten hair, but do not wet the skin. DO NOT APPLY MORE THAN 2 OUNCES PER ANIMAL PER DAY. FACE FLY control may be improved by the addition of 1 pound of sugar per gallon of spray solution. During application, pay particular attention: to the head and shoulders but do not apply more than 2 ounces per animal.

**FLY CONTROL - SWEETENED BAIT METHOD**

Prepare a 0.5% concentration by mixing 2-2/3 ounces ALCO DDVP 1 SPRAY (16 teaspoonfuls) in a 1/2 gallon mixture of 25% water and 75% corn syrup. Use approximately 1 teaspoon of this mixture making application with a small paintbrush to the forehead of the animal. Apply daily for two weeks and as needed thereafter. This bait should be prepared and used daily as it will lose its effectiveness upon standing.

**TREATMENT OF FEEDLOTS, STOCKYARDS, CORRALS AND HOLDING PENS**

**For Flies, Gnats And Mosquitoes:** Cattle can be present during treatment of these areas. Prepare a 0.5% concentration by diluting 1 quart of ALCO DDVP 1 SPRAY in 6 gallons of water. Apply 0.2 pounds actual DDVP per acre (approximately 5 gallons of 0.5% solution) using a mist blower or similar equipment. Apply as an overall mist spray paying particular attention to fences, feed bunkers, shade areas, spillage areas, building walls and other areas where flies congregate. Nearby trees, shrubs, and weed growth should also be treated to control flies resting in these areas. Avoid direct application to exposed water and feed. During periods of high fly population, make application to exposed water and feed. During periods of high fly population, make applications at three-day intervals. Less frequent applications such as weekly or biweekly may be made after the high population pressure has been reduced. It may be desired to apply the 0.5% concentration as a baited solution. This may be done by adding 1 pound of sugar (granulated or powdered) to each 6 gallons of spray solution. Apply in the same manner.

**FLY, GNAT AND MOSQUITO CONTROL IN ANIMAL BUILDINGS**

**FOG APPLICATION**

Prepare a 1.0 % concentration by mixing 2 quarts ALCO DDVP 1 SPRAY in 6 gallons of water or by diluting 2 quarts ALCO DDVP 1 SPRAY in 7 gallons deodorized kerosene. Before application, reduce air movement as much as possible by closing doors, windows, ventilators and other openings. Using a suitable fogging device, apply at the rate of 1 pint of 1.0 % solution per 8,000 cubic square feet of space treated. Animals may be present during fogging provided they have not received a direct application of DDVP during the past 8 hours. Do not contaminate feed, foodstuff, milk or milking utensils. When fogging in animal buildings, wear a pesticide respirator jointly approved by the Mine Safety and Health Administration and the National Institute of Occupational Safety and Health under the provision of 30 CFR 11.

**POULTRY HOUSES**

For fly control, use a 0.5% concentration. Prepare the 0.5% solution by mixing 1 quart of ALCO DDVP 1 SPRAY in 6 gallons of water. Treat areas out of reach of poultry, such as windowsills, exterior walls, interior walls, feed room floors, walkways and over the manure at the rate of 1 quart to every 1,000 sq. ft. For indoor uses only; crack and crevice treatments are permitted. Space spray use is prohibited. Do not apply directly to poultry.

**Fly And Maggot Control In Poultry Droppings**

Prepare a 0.5% concentration by diluting 1 quart ALCO DDVP 1 SPRAY in 7 gallons diesel oil or deodorized kerosene. Apply at the rate of 2 quarts of solution per 100 sq. ft.

**Maggot Control, Manure Piles, Garbage Dumps**

Prepare a 0.5% concentration by mixing 1 quart ALCO DDVP 1 SPRAY in 6 gallons of water. Apply at the rate of 2 quarts of solution per 100 square feet of treated area.

## DOG KENNELS

**Fly Control:** Prepare a 0.5% concentrate solution by mixing 1 quart of ALCO DDVP 1 SPRAY in 6 gallons of water. Treat outside runways, windowsills, exterior wall surfaces and ledges. Apply at a rate of 1 quart of solution for every 1,000 sq. ft.

**For Brown Dog Ticks And Fleas:** Treat outside runways, animal sleeping quarters, kennel floors and cracks and crevices in kennels, using 2 quarts per 1,000 sq. ft. Remove dogs before treatment. Cover and protect or remove feed and water before treating. For indoor uses, only crack and crevice treatments are permitted. Space spray use is prohibited.

### FOR FLEAS, LICE AND TICKS ON DOGS

Fleas, Lice, Ticks – For Veterinarian Use Only – Do not use on dogs under 6 months of age. Prepare a 0.2% concentration by adding 5-1/4 teaspoons of ALCO DDVP 1 SPRAY to 1 gallon of water. Apply to dog by spraying, with a sponge, or by dipping. Apply so as to thoroughly wet the hair of the animal. When used as a dip, immerse the entire body except the head. Before using as a dip, make sure the dog is watered. Avoid contact of the solution with the eyes and mouth of the animals. Wear natural rubber gloves when applying. Do not reapply product for 3 days.

**FOR USE BY LICENSED PEST CONTROL OPERATORS IN OUTDOORS AREAS SUCH AS PICNIC GROUNDS, PARKING AREAS, LOADING DOCKS, REFUSE AREAS, GARBAGE COLLECTION AND DISPOSAL AREAS. ALSO USE IN OUTSIDE AREAS AROUND DRIVE-IN RESTAURANTS, FOOD PROCESSING PLANTS AND WAREHOUSES FOR CONTROL OF FLIES, MOSQUITOES, GNATS, ANTS, ROACHES, SOWBUGS**

Prepare a 0.5% concentration by mixing 1 quart of ALCO DDVP 1 SPRAY in 6 gallons of water. Apply at the rate of 1 quart of solution per 1,000 sq. ft. Do not treat animals with this solution. Do not contaminate feed, foodstuffs or water. Repeat treatment as necessary.

### STORAGE AND DISPOSAL

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

**PESTICIDE 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 rinsate 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:** [Metal] Triple rinse (or equivalent). Then dispose of in a sanitary landfill, or by other approved state and/or local procedures.

**READ ENTIRE LABEL BEFORE EACH USE. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONS AND DIRECTIONS**

### LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use, subject to the inherent risks referred to herein, when it is used in accordance with such directions; and (c) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties of food crops and plants, or in all states or under all conditions.

**THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE SET FORTH HEREIN. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE, TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OF QUALITY OR PERFORMANCE. THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.**

**BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES 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 THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT, SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.**

**AMVAC offers this product, and Buyer accepts it, subject to the foregoing Limited Warranty which may be varied only by agreement in writing signed by an authorized representative of AMVAC.**

Amvac Chemical Corporation  
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Los Angeles, CA 90023 U.S.A.

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