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JAN 16 1987

Mr. James F. White  
Unicorn Laboratories  
10603 Grant Ford Road, Suite 208  
Houston, TX 77070

Dear Mr. White:

Subject: Amendment - Revised Label/Confidential Statement of  
Formula Revisions/Change in Inert  
Unicorn Delnav Livestock Spray  
EPA Registration No. 28293-81  
Your Letter Dated February 14, 1986

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

Your response to our letter of February 5, 1986, comment 2(b) is acceptable. We note your change in solvents and the accompanying change in the Storage and Disposal statement. At the next label printing please make the following revision:

- Delete the sentence, "Do not apply directly to lakes . . . ." In its place, add "Do not apply directly to water or wetlands."

Sincerely yours,

George T. LaRocca  
Product Manager (15)  
Insecticide-Rodenticide Branch  
Registration Division (TS-767C)

Enclosure

86324:Shell:LR-7:KENCO:11/21/86:12/3/86:dej:VO

CONCURRENCES

|         |  |  |  |  |  |  |  |
|---------|--|--|--|--|--|--|--|
| SYMBOL  |  |  |  |  |  |  |  |
| SURNAME |  |  |  |  |  |  |  |

UNICORN  
DELNAV LIVESTOCK SPRAY & DIP  
BACK RUBBER CONCENTRATE

ACTIVE INGREDIENTS:

|  |         |
|--|---------|
| Dioxathion [2,3-p-dioxanedithiol S,S,-bis<br>(0,0-diethyl phosphorodithioate)] ..... | 10.35%  |
| Related compounds .....  | 4.35%   |
| INERT INGREDIENTS: * .....   | 85.30%  |
| * Contains Aromatic Petroleum Solvent  | 100.00% |

RECOMMENDED FOR AGRICULTURAL USE ONLY

KEEP OUT OF REACH OF CHILDREN

WARNING

See Other Panel For Additional Precautions

STATEMENT OF PRACTICAL TREATMENT

- IF SWALLOWED: Call a physician or POISON CONTROL CENTER at once. Do not induce vomiting because of aspiration hazard. Get medical attention at once.
- IF INHALED: Remove victim to fresh air. Apply respiration if indicated.
- IF ON SKIN: Remove contaminated clothing and wash affected areas with soap and water.
- IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.
- NOTE TO PHYSICIANS: If symptoms of cholinesterase depression are present, atropine is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

NET CONTENTS: 1 Gallon

Manufactured By  
UNICORN LABORATORIES  
HOUSTON, TX. 77090

26293-81

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING:** May be fatal if swallowed, inhaled, or absorbed through skin. Rapidly absorbed through skin. Repeated inhalation or skin contact may, without symptoms, be increasingly hazardous. Do not breathe spray mist. Do not get in eyes, on skin, or on clothing. Wear clean natural rubber gloves, clean protective clothing, and goggles. Replace gloves frequently and destroy used gloves. Wear a mask or respirator of a type approved by the Mine Safety and Health Administration or the National Institute for Occupational Safety and Health for organic phosphorous insecticide protection. Do not contaminate feed and foodstuffs. Wash hands thoroughly after using and before smoking or eating. In case of contact, immediately remove contaminated clothing and flush skin or eyes with plenty of water; for eyes get medical attention. Wash contaminated clothing with soap and hot water before reuse. Do not allow unprotected persons where this material is being handled.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. Do not apply directly to lakes, streams or ponds. Apply this product only as specified on this label. Do not contaminate water by cleaning of equipment or disposal of wastes.

### PHYSICAL OR CHEMICAL HAZARDS

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

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner consistent with its labeling.

Kills hard to kill external animal parasites. No waiting period between last application and slaughter. One gallon makes 100 gallons of spray. Do not use on dairy animals or in dairy barns.

#### AS A SPRAY

**ON CATTLE, HORSES, SHEEP GOATS AND HOGS:** To control horn flies, lice, ear ticks, Lone Star ticks, Gulf Coast ticks, winter ticks, and cattle fever ticks, KEDS, wool moggots, mix one gallon of Delnav LIVESTOCK SPRAY AND DIP with 100 gallons of water and stir well to form a creamy emulsion. Spray animals with a strong spray to penetrate to the skin. Wet all portions of skin thoroughly. Approximately 2 quarts of spray are required for a full grown cow, and proportionately less for smaller animals. Be sure not to overdose young animals. Repeat as necessary but not more often than once every two weeks. One spray with Delnav LIVESTOCK SPRAY AND DIP will control horn flies up to 3 weeks and a single application will control lice.

**BACK RUBBER APPLICATION:** For control of hornflies and lice on cattle, dilute 1 part Delnav LIVESTOCK SPRAY CONCENTRATE with 9 parts backrubber oil. Apply with conventional cattle oilers. Do not use on dairy cattle. Do not spray animals with this solution.

## AS A DIP

For Cattle, Horses, Sheep and Goats: Mix one gallon of DELNAV with 100 gallons of water. Stir well to form a creamy emulsion. Water animals well before dipping to prevent drinking of dip solution. Hand dipping of young animals will prevent swallowing of dip solution. Do not dip calves less than 3 months of age. Do not retreat more often than every two weeks.

## REPLENISHMENT

During dipping operation, each time the dip volume is reduced by 1/8 of its initial volume, replenish the bathe by adding 1 gallon of DELNAV for each 75 gallons of water required to restore the dip to its initial volume.

For dip operations, continue dipping and repeat replenishment procedure each time dip volume is reduced by 1/8 of its initial volume. Vat should be emptied, cleaned and recharged each time: (a) The number of animals dipped equals doubled the number of gallons of water in the initial bath volume; (b) When the dip becomes too foul for satisfactory use; or (c) When the vat has been charged for 60 days, whichever comes first.

## STORAGE AND DISPOSAL

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

Store in original container away from heat or open flame, in cool, locked storage area.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Triple rinse and dispose of in a sanitary landfill or by other approved State and Local procedures.

E.P.A. REG. NO. 28293-81

E.P.A. EST. NO. 28293-TX-1

