

HERCULES DELNAV*
EMULSIFIABLE LIVESTOCK CONCENTRATE

11-146

(U. S. Patent 2, 725, 328)

An insecticide concentration especially prepared for livestock use.

<u>ACTIVE INGREDIENTS:</u>	<u>% By Weight</u>
Dioxathion [2, 3-p-dioxanedithiol S, S-bis (O, O-diethyl phosphorodithioate)]	21.0
Related Compounds	9.0
Aromatic Petroleum Distillate	60.0
<u>INERT INGREDIENTS:</u>	10.0
TOTAL	100.0%

*Delnav is Hercules Incorporated registered trademark for the pesticide chemical dioxathion and formulations thereof.

WARNING: KEEP OUT OF REACH OF CHILDREN. Read Side Panel For Handling Precautions. See antidote statement on side panel.

POISON

FIRST-AID TREATMENT

Antidote - If swallowed, induce vomiting with warm, salty or soapy water. If on the skin, remove contaminated clothing and immediately wash skin with soap and water. CALL A PHYSICIAN IMMEDIATELY IN ALL CASES OF SUSPECTED POISONING. If symptoms or signs of poisoning include loss of appetite, nausea, vomiting, abdominal cramps, diarrhea, excessive salivation, constriction of pupils, blurred vision, dizziness, and restlessness, call a physician immediately. (See also U.S. Department of Health, Education and Welfare, Public Health Service, Bureau of Food and Drug Administration, "Poisoning by Insecticides," pp. 1-10, 1968.)

871-140
ACCEPTED
FEB 17 1969
UNDER THE FEDERAL INSECTICIDE
ACT AND EXECUTIVE ORDER
11738 FOR ECONOMIC PESTICIDES
REGISTERED UNDER THE
FEDERAL INSECTICIDE ACT

PHYSICIANS NOTE:

Warning symptoms include loss of appetite, nausea, abdominal cramps, diarrhea, excessive sweating, constriction of pupils, blurred vision, giddiness, and restlessness.

TREATMENT:

Give 2 to 4 mg. (1/30 to 1/15 grain atropine sulfate) intravenously. Repeat at 5 to 10 minute intervals until signs of atropinization appear (dry flushed skin and tachycardia). If excessive secretions occur, keep patient fully atropinized by giving atropine every hour up to 25 to 50 mg. in one day. If patient fails to respond satisfactorily to atropine, give one grain of 2-PAM intravenously.

Artificial respiration and oxygen administration may be necessary. Decontaminate skin, stomach and eyes as indicated. A mild degree of atropinization should be maintained for 24 to 48 hours and the patient should be observed continuously for 48 hours and treated symptomatically.

DANGER

Poisonous by skin contact, inhalation, or swallowing. Absorbed through skin. Repeated exposure may, without symptoms, be increasingly hazardous. Do not breathe vapors.

Use this material with care. It is a cholinesterase inhibitor. Do not get in eyes or on skin or clothing. Use a respirator approved by the U. S. Department of Agriculture (see below).

Wear clean protective clothing, heavy rubber gloves, and goggles. Remove contaminated clothing and wash skin thoroughly with soap and water. Wash hands and face before eating or smoking. After use, bathe thoroughly and change to clean clothing.

Wash all contaminated clothing with soap and hot water before re-use.

During application keep unprotected persons away from areas being treated and where there may be drift. Do not contaminate food or foodstuffs

May 12 1969
PURCHASER'S NAME
FOR ECONOMIC PESTICIDE REGISTRATION
811-145

This product is toxic to fish and wildlife. Keep out of lakes, ponds, and streams. Do not apply to any area not specified on the label.

KEEP OUT OF REACH OF CHILDREN.

APPROVED RESPIRATORS

American Optical Company, No. 5561 with filter cartridge combination R-561.

Mine Safety Appliances, No. CR-72183 with cartridge No. CR-49293 and filter No. 73488.

Mine Safety Appliances, No. CR-74910 with inner cartridge No. CR-73841 and outer cartridge No. 73927.

Willson Products, Inc., Agritox Respirator with cartridge No. 11A and filter No. R-490.

Mixing Delnav Emulsifiable Livestock Concentrate for Spraying

For sprayers equipped with power agitator, Hercules Delnav livestock concentrate may be mixed by pouring into the spray tank containing the necessary amount of water. For hand sprayers, mix Hercules Delnav livestock concentrate at recommended dilutions and stir thoroughly. Keep mixture well agitated during spraying operation.

Mixing Delnav Emulsifiable Livestock Concentrate for Vat Use

After vat has been filled with water to proper level, pour required amount of Delnav emulsifiable livestock concentrate over length of the vat and stir well. When replenishing vat, add proper amounts of fresh water and Delnav emulsifiable concentrate to bring vat up to desired level.

DIRECTIONS FOR USE:

CATTLE

Ticks - Mix Delnav emulsifiable livestock concentrate at the rate of one gallon to 100 gallons of water. This results in a concentration of 0.15% Delnav. The health of the animal is important for best results. Do not use Delnav on animals until at least one week after the animal has been vaccinated.

Cattle (contd.)

Horn Fly - Mix Delnav emulsifiable ~~livestock~~ concentrate at the rate of one gallon to 200 gallons of water. Apply diluted material at the rate of two quarts per animal. Repeat application when necessary, but not more often than once every two weeks.

Lice - Mix Delnav emulsifiable livestock concentrate at the rate of one gallon to 200 gallons of water. Thorough wetting of the animal is important. A single thorough application is usually all that is required to control lice.

Do not dip animals under three months of age. Do not apply to dairy animals.

HOGS

Lice - Mix Delnav emulsifiable livestock concentrate at the rate of one gallon to 200 gallons of water. A single thorough application is usually all that is required for control of lice.

SHEEP AND GOATS

Lice - Mix Delnav emulsifiable livestock concentrate at the rate of one gallon to 200 gallons of water. A single thorough application is usually all that is required for control of lice.

Sheep Ked - Mix Delnav emulsifiable livestock concentrate at the rate of one gallon to 200 gallons of water. A single thorough application is usually all that is required for control of Sheep Ked.

Do not apply to dairy goats.

NONWARRANTY:

Hercules warrants that this product conforms to the chemical description on its label. When used in accordance with label directions under normal conditions, this product is reasonably fit for its intended purpose. Since timing, method of application, weather, plant, and soil conditions, mixtures with other chemicals, and other factors affecting the use of this product are beyond our control, no warranty is given concerning the use of this product contrary to label directions or under conditions which are abnormal or not reasonably foreseeable. The user should read the label carefully before use.

Net Contents: _____

USDA Registration No. 891- 140

MANUFACTURED BY:

SYNTHETICS DEPARTMENT ·· AGRICULTURAL CHEMICALS

HERCULES INCORPORATED

WILMINGTON, DELAWARE, U.S.A.