

**POUR ON:** To control hornflies on beef cattle, dilute 1 gallon of HELENA ANIMAL HEALTH DELNAV 30 EM with 49 gallons of water and apply 1 qt. of solution along the back line of each animal. Do not retreat more often than every 30 days.

**USE HELENA ANIMAL HEALTH DELNAV 30 EM AS A PREMISE SPRAY TO CONTROL FLEAS AND TICKS:** To control fleas and ticks in outdoor areas such as kennels and lawns, dilute HELENA ANIMAL HEALTH DELNAV 30 EM at the rate of 1 quart in 15 gallons of water (for smaller quantities, use 4 tablespoons HELENA ANIMAL HEALTH DELNAV 30 EM per 1 gallon of water). Thoroughly spray areas where dogs frequent & sleep. On lawns and other open areas, apply 1 gallon of dilute mixture per 1000 square feet with sprinkling can or sprayer. Repeat application as required.

**DO NOT TREAT PETS OR ANIMALS WITH CONCENTRATION. PAY STRICT ATTENTION TO WARNING STATEMENTS ON THE HELENA ANIMAL HEALTH DELNAV 30 EM CONTAINER.**

**WARNING:** Delnav is a cholinesterase inhibitor. Do not use this product on animals simultaneously or within a few days before or after treatment with or exposure to cholinesterase inhibiting drugs, pesticides or chemicals. Consult veterinarian at the first sign of adverse reaction. Atropine is antidotal.

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

**WARNING:** HELENA ANIMAL HEALTH DELNAV 30 EM Concentrate is toxic and may be fatal if swallowed or absorbed through the skin. Do not use in concentrations greater than those recommended. Do not inhale spray, get in eyes, or on skin or clothing. Wash with soap and water in case of contact. Do not contaminate feed or feedstuffs. Keep away from children. Wash hands, arms, and face with soap and water after handling and before eating or smoking. Wash all contaminated clothing with soap and hot water before reuse. Keep all unprotected persons out of the operating area or vicinity where there may be danger of drift. Wear mask or respirator of a type recommended by the U. S. Bureau of Mines to give adequate protection against Dioxathion.

**POISON-ANTIDOTE:** Call a physician immediately in case of poisoning. If swallowed, induce vomiting with warm water. If on skin, remove clothing and wash immediately with soap and water. Atropine is antidotal.

**WARRANTY AND LIMITATION OF DAMAGES.** Helena Chemical Company warrants that this material conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use and Conditions of Sale, subject to the inherent risks referred to therein. Helena Chemical Company makes no other express or implied warranty, including any other express or implied warranty of FITNESS or of MERCHANTABILITY, and no agent of Helena Chemical Company is authorized to do so except in writing, with a specific reference to this warranty. Any damages arising from a breach of this warranty shall be limited to direct damages, and shall not include consequential commercial damages such as loss of profits, or value, etc.

**NET CONTENTS** \_\_\_\_\_



# DELNAV 30 EM

ONE GALLON MAKES 200 GALLONS OF SPRAY OR DIP

**KILLS:** TICKS, LICE, HORNFLIES, KEDS AND WOOL MAGGOTS ON BEEF CATTLE, SWINE, SHEEP, AND NON-DAIRY GOATS.

NO WAITING PERIOD BETWEEN LAST APPLICATION AND SLAUGHTER  
PROTECTS AGAINST REINFESTATION  
HELPFUL IN CONTROLLING SCREWORM INFESTATIONS

**WARNING: KEEP OUT OF REACH OF CHILDREN SEE OTHER PRECAUTIONS ON SIDE PANEL.**

**DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME**

## ACTIVE INGREDIENTS:

*Dioxathion [2,3-p-dioxanedithiol S,S-bis (O,O-diethyl phosphorodithioate)]	21.10%
Related Compounds in Dioxathion	8.90%

## INERT INGREDIENTS:

Benzene	1.00%
Heavy Aromatic Naphtha	59.00%
Inerts From Emulsifiers	10.00%
<b>TOTAL</b>	<b>100.00%</b>

\*DELNAV and this product are covered by U.S. Patent 2,725,328

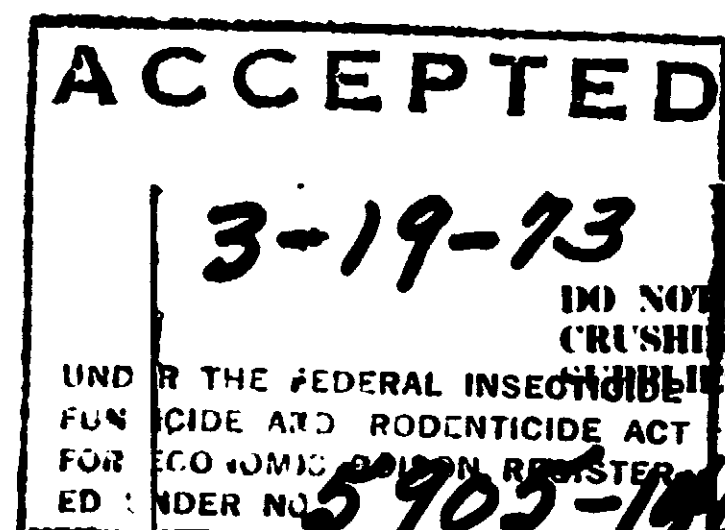
MANUFACTURED BY  
**HELENA CHEMICAL COMPANY**

E.P.A. Reg. No. 5905-190

**ACCEPTED**

MAR 19 1973

UNDER THE FEDERAL INSECTICIDE  
FUNGICIDE AND RODENTICIDE ACT  
FOR ECONOMIC POISON REGISTERED  
ED UNDER NO. 5905-190 SUBJECT  
TO ATTACHED COMMENTS.



**DIRECTIONS FOR USE**  
**ON BEEF CATTLE, SHEEP, GOATS AND SWINE**

To kill, Hornflies, Lice, Ticks, Keds (sheep Ticks) and Wool Maggots

**SPRAY OR DIP:** Do not use on dairy animals or in dairy barns. Mix at the rate of 1 gallon **HELENA ANIMAL HEALTH DELNAV 30 EM** in 200 gallons of water. Mix thoroughly. Spray or dip as required but no more often than every two weeks. The use of **HELENA ANIMAL HEALTH DELNAV 30 EM** requires no waiting period between last application and slaughter.

**RESIDUAL PROTECTION:** **HELENA ANIMAL HEALTH DELNAV 30 EM** provides long-lasting protection against reinfestation against ticks, 3 weeks against ticks, 3 weeks against hornflies and a single treatment is usually sufficient for lice and keds. For biting lice on goats, a second application after 21 days may be required for complete cleanup. **HELENA ANIMAL HEALTH DELNAV 30 EM** is valuable in post-shearing protection of sheep and goats against screwworm and will provide up to two months' protection against wool maggots.

**SPRAYING:** Make sure spray is thoroughly mixed before application. Spray to thoroughly wet animals for best results. Do not allow animals to drink from runoff pools.

**DIPPING:** Thoroughly mix dip before dipping. Water animals before dipping to prevent drinking of dip wash. In routine dipping, if it is necessary to treat animals under the age of 3 months, spraying is recommended. In quarantine dipping, for fever tick control, when animals of all ages must be dipped, individual hand immersion of young animals is essential to avoid swallowing of dip wash. Do not dip animals under 3 months of age.

**REPLENISHMENT:** Add 1 gallon of **HELENA AMINAL HEALTH DELNAV 30 EM** to each 200 gallons of fresh water added to dipping vat or control replenishment by vatside test.

**BACKRUBBERS:** As an aid in the control of hornflies and lice on beef cattle, dilute **HELENA AMINAL DELNAV 30 EM** at the rate of 1 gallon to 19 gallons of diesel fuel or light motor oil. Charge rubbing device as required. Do not spray animals with this oil solution.

Amount of <b>HELENA ANIMAL HEALTH DELNAV 30 EM</b>	Volume of Water Spray or Dip	Volume of Oil Back Rubber use only
8 Oz.	12 Gal.	1 Gal. and 1 Qts.
1 Pt.	25 Gal.	2 1/2 Gal.
1 Qt.	50 Gal.	5 Gal.
2 Qt.	100 Gal.	10 Gal.