



GENERAL DIRECTIONS

CIODRIN® Insecticide Emulsifiable (1.1 lb./gal.) is suitable for use in conventional hydraulic sprayers or low pressure knapsack sprayers. Just prior to use, mix the required amount of CIODRIN® Insecticide Emulsifiable (1.1 lb./gal.) in sufficient water and apply in accordance with State and Federal Recommendations. Do not apply to calves under 6 months of age. Brahman cattle should not be treated as they may show hypersensitivity to organic phosphates.

DIRECTIONS FOR LIVESTOCK PEST CONTROL

For control of stable flies, horn flies, face flies, house flies, lice and lone star ticks on dairy cattle, beef cattle, sheep, goats and hogs: Mix 2 quarts of CIODRIN Insecticide Emulsifiable (1.1 lb./gal.) with 6 gallons of water (1% concentration). Spray to thoroughly cover all parts of the animal, including the legs, using 1-2 pints of spray per large animal and proportionately less for smaller animals. Repeat applications as necessary to maintain control, but not more often than once every 7 days.

For pen or corral operations involving spray applications to livestock with high pressure equipment, do not exceed a 0.5% concentrate. Mix ½ gallon CIODRIN Insecticide Emulsifiable (1.1 lb./gal.) per 12 gallons of water (0.5% concentrations). Spray to thoroughly cover the animal's body and legs (avoid excessive spraying of the head), using 1-2 quarts of spray per large animal and proportionately less for smaller animals. Repeat application as necessary to maintain control but not more often than once every 7 days.

Improved face fly control may be achieved by adding sugar to the spray solution at the rate of 1 pound per 6-10 gallons spray. Repeat above applications as necessary to maintain control, but not more often than once every 7 days.

Low volume application for control of face flies: Mix 4 tablespoons (2 fluid oz.) of CIODRIN Insecticide Emulsifiable (1.1 lb./gal.) per 1½ pints of water (1% concentration). Using a calibrated sprayer, apply 5 teaspoons of spray to the face and a total of 5-10 teaspoons to the back and sides of the animal 3 times per week. Improved control may be achieved by the addition of 1 level teaspoon of sugar per pint of spray solution.

For control of house flies, face flies and stable flies in and around livestock buildings: Mix 2 quarts CIODRIN Insecticide Emulsifiable per 6 gallons water (1% concentrations). Spray premises such as inside and outside barn walls (including dairy barns), eaves, fences and other resting or breeding places such as garbage and manure (do not apply under, in or around poultry houses) at least twice monthly using approximately 1 gallon finished spray per 1000 square feet (40'x25') of area. Do not use in or around poultry houses. Improved house fly and face fly control may be achieved by adding sugar to the spray solution at the rate of 1 pound per 6-10 gallons of spray.

For control of stable flies, horn flies, house flies, and face flies on dairy and beef cattle: Mix 8 tablespoonfuls (4 fluid ounces) per 1½ pints of water (2% concentration). Spray to thoroughly cover all parts of the animal, including the legs, using 1-2 fluid ounces of mixed spray per animal. Apply daily with conventional hand or power sprayers. Improved control may be achieved by the addition of 1 level teaspoon of sugar per pint of spray solution.

For control of lice and winter ticks on dairy cattle, beef cattle, sheep, goats and hogs: Mix 1-2¼ pints CIODRIN Insecticide Emulsifiable (1.1 lb./gal.) in 16 gallons of water (0.1%-0.25% concentration). Spray animals thoroughly using up to 2 gallons of spray for the 0.1% concentration and up to 1 gallon of spray for the 0.25% concentration. Apply a second application 14 days later. Repeat applications as necessary to maintain control, but not more often than once every 7 days.

BACKRUBBER USE

For use in back-rubbers or face-rubbers for the control of horn flies and face flies, mix 1 quart CIODRIN Insecticide Emulsifiable (1.1 lb./gal.) per 3 gallons of backrubber base oil (1% concentration). This may be diesel fuel or fuel oil, kerosene or mineral seal oil in accordance with local recommendations. The face rubber mechanism must be so designed that one end is low enough (not more than 15 to 20 inches above the ground) to allow cattle to rub their faces. Sheet canvas type face treaters should be located at barn door openings, in loafing areas or around salt licks where animals may freely treat themselves as needed for face fly control. This product is only

effective for face fly control on those cattle that rub the face and head on the face treater.

WARNING

Keep out of reach of children. Do not contaminate feed, drinking water or foodstuffs. During commercial exposure in spray-mixing and loading operations, wear clean rubber gloves and a mask or respirator of a type found suitable by the U. S. Bureau of Mines for protection against CIODRIN Insecticide. Use this material only for recommended purposes and at recommended dosages.

WARNING: HAZARDOUS IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN. Do not breathe spray mist. Do not get in eyes, on skin or on clothing.

Wash thoroughly with soap and water after handling and before eating and smoking. Wear clean clothing. In case of spillage on person or clothing, immediately remove clothing and flush skin or eyes with plenty of water; for eyes, get medical attention.

Atropine is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine. Call a physician in all cases of suspected poisoning.

ENVIRONMENTAL CAUTIONS: This product is toxic to fish, birds and other wildlife. Keep out of any body of water. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

DESTROY USED CONTAINERS. Do not reuse for any purposes. Decontaminate containers by rinsing thoroughly with water and alkaline detergent. Destroy containers by breaking and burying fragments in isolated area. Dispose of rinsings in a way as not to constitute a hazard, or contaminate water supplies.

NOTICE: Seller's guarantee shall be limited to the terms of the label, and subject thereto the buyer assumes any risk to persons or property arising out of use or handling and accepts the product on these conditions.

EPA Reg. No. 3770-19
EPA Est. 377C-NB-1

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House flies, face flies and stable flies in and around
hinges: Mix 2 quarts CIODRIN Insecticide Emulsifiable
water (1% concentrations). Spray premises such as
side barn walls (including dairy barns), eaves, fences
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or, in or around poultry houses) at least twice monthly
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EPA Reg. No. 3770-19
EPA Est. 3770-NB-1

3914B-MBPCO

CIODRIN® EMULSIFIABLE INSECTICIDE

(Contains 1.1 lb. Ciodrin® Insecticide Per Gallon)

For Stable Flies, Horn Flies, Face Flies, House Flies, Lice and Lone
Star Tick on Dairy Cattle, Beef Cattle, Sheep, Goats and Hogs

ACTIVE INGREDIENTS:	
*Dimethyl phosphate of alpha-methylbenzyl 3-hydroxy-cis-crotonate	14.40%
Xylene	72.30%
INERT INGREDIENTS:	13.30%
Total	100.00%
*Ciodrin, T.M. Shell Chemical Company	

WARNING

KEEP OUT OF REACH OF CHILDREN
HAZARDOUS IF SWALLOWED, INHALED, OR ABSORBED
THROUGH SKIN. Do Not Get In Eyes, On Skin Or On
Clothing.

See side panel for additional warning statements.

Do Not Use, Pour, Spill Or Store Near Heat Or Open Flame

NET CONTENTS 1 GALLON

Manufactured by
ECONOMY PRODUCTS COMPANY, INC.
SHEMANDOAH, IOWA 51601