

95.11.06

(Pamphlet)

CLEAN CROP®

DDVP 20% EC

Oil Concentrate Insecticide

Commercial

DANGER

POISON

READ THE LABEL BEFORE USING

GUARANTEE: Dichlorvos.....20%

REGISTRATION NO. 23914 PEST CONTROL PRODUCTS ACT

NET: 10L

UNITED AGRI PRODUCTS  
R.R.#2  
Dorchester, Ontario N0L 1G5

DIRECTIONS FOR USE

DDVP 20% OC is an oil concentrate which can be diluted with base oil for use in mechanical fogging equipment or as a surface spray, or used undiluted in ULV applicators. Do not apply by aircraft.

- \* For 0.5% solution, mix 25 mL of DDVP 20% OC with 1 L base oil (1 part to 39 parts).
- \* For 1% solution, mix 50 mL of DDVP 20% OC with 1 L base oil (1 part to 19 parts).
- \* For 5% fogging solution, mix 1 part DDVP 20% OC with 3 parts base oil.

## FOGGING AND ULV APPLICATIONS

For the control of listed insects in food processing plants, grain storage facilities, mushroom houses, tobacco warehouses, wineries, and for outdoor mosquito control.

**INDOOR APPLICATIONS:** Vacate all persons and animals. Turn off pilot lights, close all doors, windows and ventilators, lock or barricade all entrances and post warning signs. All switches operating electrical equipment which might function during misting, fogging should be turned off. Remove unprotected food and cover food handling equipment before applying DDVP 20% OC. Late afternoon application is preferable because the building can be closed all night. Workers may re-enter building next day after ventilating. For use in fogging machines, use a 5% fogging solution.

### FOOD PROCESSING PLANTS, INDUSTRIAL PLANTS, THEATRES AND WAREHOUSES:

For control of exposed stages of confused flour beetle, cocoa bean moth, fruit flies, flour beetle, gnats, rice weevil, wasps.

1. ULV apply 60-150mL of DDVP 20% OC per 1000 m<sup>3</sup>.
2. Fogging apply 300-700 mL of 5% fogging solution per 1000 m<sup>3</sup>.

Repeat application as necessary to maintain control but not more often than once a week. In food processing plants, apply during shutdown periods only. Remove or cover all food, packaging materials, utensils, and food processing equipment before treatment. After spraying wash all surfaces that may contact food and rinse with potable water before reuse. Do not use in milk rooms or milk processing rooms.

**WINERIES OR WINE CELLARS:** For control of drosophila.

1. ULV: apply 60 mL of DDVP 20% OC per 1000 m<sup>3</sup>.
  2. Fogging: apply 300 mL of 5 % fogging solution per 100 m<sup>3</sup>.
- Repeat treatment a necessary but not more often that once a week.

**TOBACCO WAREHOUSE:** For control of cigarette beetle and tobacco moth.

1. ULV: apply 150-300 mL of DDVP 20% OC to each 1000 m<sup>3</sup> of space.
2. Fogging: apply 700 mL - 1.4 L of 5% fogging solution to each 1000 m<sup>3</sup> of space.

Make applications as necessary to maintain control, usually twice per week.

**MUSHROOM HOUSES:** for control of sciarid and phorid flies.

Treat at a house temperature of about 21°C. Close windows, doors, and ventilators. Apply as a dry fog using mechanical fogging equipment. Wear a full face respirator during application. Use 5 mL of insecticide for each 100 m<sup>3</sup> of space. Direct fog downward while walking backwards through building. Keep fogger nozzle at least 3 metres away from the beds. Expose for one hour. Ventilate area with fans before resuming work. Use twice weekly during spawn run to prevent fly buildup. Thereafter, use as required. Do not harvest within 24 hours of application.

EMPTY GRAIN STORAGE FACILITIES: for control of exposed stages of foreign grain beetle, granary weevil, meal moths, red flour beetle, rusty grain beetle and sawtoothed grain beetle. Use 8 mL of insecticide for each 100 m<sup>3</sup> of space. Apply using mechanical fogging equipment. Make application as necessary to maintain control, usually twice a week.

OUTDOOR MOSQUITO CONTROL: Fog bushes and heavy foliage. Apply in early morning or late evening when air currents are at a minimum.

1. ULV application use DDVP 20% OC undiluted in machines designed to disperse ultra low volume such as Mirco-Gen. Apply close to the ground at the rate of 250-600 mL per hectare.
2. Fogging - prepare a 1% fogging solution. Use a dry fog for best results. A 'wet' fog may cause injury to vegetation.

#### SURFACE SPRAY APPLICATIONS

DDVP 20% OC can be applied as a surface spray to the areas noted below.

1. LIVESTOCK BARNs, SHEDs, STABLEs, LOAFING SHEDs, PIG PENS, OUTDOOR AREAs: For the control of flies, gnats, mosquitoes, cockroaches, fleas and sowbugs. Prepare a 0.5% spray as outlined above and apply as a coarse wet spray at the rate of 5 L of spray per 100 m<sup>2</sup>. Remove animals before spraying and close all windows and doors. Thoroughly ventilate building before returning animals.
2. POULTRY HOUSEs: to control flies, gnats, mosquitoes, cockroaches, fleas and sowbugs. Prepare a 0.5% spray. Apply to window sills and outside of penned enclosures at the rate OF 5 L SPRAY PER 100 M<sup>2</sup>.
3. OUTDOOR LIVING AREAs, PICNIC GROUNDS, BACKYARD AREAs, PATIOS, LATRINES, LOADING DOCKs, PARKING AREAs, REFUSE AREAs AND OTHER AREAs AROUND BUILDINGs: To control flies, gnats, mosquitoes, fleas, ants and sowbugs. Prepare a

- 0.5% spray and apply at the rate of 5 L spray per 100 m<sup>2</sup>.
4. AROUND DWELLINGS AND OTHER BUILDINGS: To control honey bees, paper nest wasps, hornets and yellow jackets. Prepare a 1% spray. Soak areas of colonies where insects congregate. Apply at night when insects are inactive for greatest safety. Do not apply to areas of vegetation since serious injury will result.
  5. DOG KENNELS: To control fleas, flies, gnats and mosquitoes, apply a 0.5% spray to the outside dog runways, window sills, and ledges. Use 10 L spray per 100 m<sup>2</sup>.
  6. BEEF AND DAIRY CATTLE (LACTATING, NON-LACTATING), HORSES: As protection against horn flies, house flies, stable flies and mosquitoes, prepare a solution by mixing 500 mL of DDVP 20% OC with 10 L of kerosene and applying as a mist spray. Spray animals enough to wet ends of hair but not enough to soak the skin. Approximately 30 mL to 60 mL of diluted spray is enough to treat an adult cow. Take care not to spray in animal's eyes or mouth. Do not apply to udders of milking cows. Repeat twice daily if necessary. Do not over spray dairy cattle. On horses, apply lightly to all parts of animal. Do not contaminate feed, water or litter.
- NOTE: Do not use oil-based space sprays on vegetation as serious damage will result.

#### PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. Do not contaminate food handling equipment. Do not get on skin or in eyes. Do not breathe fumes. Wear natural rubber gloves and protective clothing when handling. Wear a mask or respirator offering protection against Dichlorvos insecticide. Keep in original container. Do not store near nor contaminate litter, feed or foodstuffs. Do not contaminate streams, lakes, ponds, irrigation water, water used by livestock or water for domestic purposes. Keep product away from flame or heat. Do not use in milk rooms or milk processing rooms. Do not use in areas where bee-keeping equipment or supplies are stored. Wash after using and before eating, drinking or smoking. In meat packing and food processing plants, only spray when plant is not in operation. No exposed meat products, ingredients or packaging materials are to be left in the room. Cover food handling equipment. Any treated surface that may contact meat food products or other food products should be washed and rinsed thoroughly with potable water after spraying and before re-use for food processing. Ventilate area thoroughly before readmitting animals. Do not apply fog within 8 hours to areas

where livestock have received pesticide treatment.

#### FIRST AID

In case of skin contact, wash immediately with soap and water. Wash all contaminated clothing before reuse. In case of eye contact, flush eyes with running water for 15 minutes. Get medical attention. This product contains petroleum distillate. If swallowed, DO NOT induce vomiting. Get medical attention or call a poison-control centre. Do not give anything by mouth if unconscious. Keep victim still and quiet. Give artificial respiration if victim is not breathing. CALL A DOCTOR IMMEDIATELY.

#### TOXICOLOGY

Symptoms of poisoning include weakness, headache, tightness in chest, blurred vision, non-reactive pinpoint pupils, salivation, sweating, nausea, vomiting, diarrhea and abdominal cramps. If there are signs of parasympathetic stimulation, atropine sulphate 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.

#### DISPOSAL:

1. Follow provincial instructions for any required cleaning of the container prior to its disposal.
2. Make the empty container unsuitable for further use.
3. Dispose of the container in accordance with provincial requirements.
4. For information on the disposal of unused, unwanted product and the clean up of spills contact the Provincial Regulatory Agency or the manufacturer.

#### NOTICE TO USER:

This control product is to be used only in accordance with the directions on this label. It is an offence under the Pest Control Products Act to use a control product under unsafe conditions.

#### NOTICE TO BUYER:

Seller's guarantee shall be limited to the terms set out on the label and subject thereto. The buyer assumes the risk to persons or property arising from the use or handling of this

product and accepts the product on that condition.

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