

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

DANGER



POISON

Poisonous if swallowed, inhaled or absorbed through skin. Do not breathe spray mist. Do not get in eyes, on skin or on clothing.

STATEMENT OF PRACTICAL TREATMENT

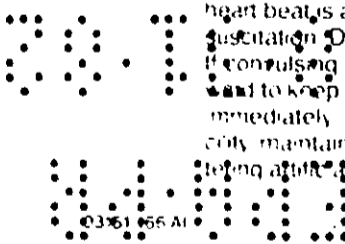
If on skin: Remove by washing with soap and water. Get medical attention.

If in eyes: Flush the eyes with clean water for 10 minutes. Get medical attention.

If inhaled: Remove victim to fresh air. Transport immediately to emergency treatment facility.

If swallowed and victim is conscious and not convulsing: Call a physician immediately. Give a glass or two of water and induce vomiting by touching back of throat with finger. It is preferable to induce vomiting under medical supervision or to use gastric lavage with a cuffed endotracheal tube because of aspiration hazard. Remove victim immediately to emergency treatment facilities.

If swallowed and victim is unconscious: Clear the upper airway and if victim is not breathing, administer mouth-to-mouth resuscitation. If heart beats absent, administer cardiac resuscitation. Do not give anything by mouth if convulsing; hold head back with jaw forward to keep upper airway clear. Transport immediately to emergency treatment facility, maintaining clear airway and administering artificial respiration.



© 1961-1966 Al

INFORMATION FOR PHYSICIANS

Endrin is a CNS depressant and hepatotoxin. Toxic dosage causes convulsions, respiratory depression, and liver damage. Impaired respiration must be supported by oxygen given by mechanical ventilation. Diazepam is useful in controlling convulsions. Intravenous glucose and B vitamins help to protect the liver. There is no specific antidote. Do not give vegetable oils or milk (which increase GI absorption). Large amounts of activated charcoal and saline laxatives help to limit GI absorption. Do not give adrenergic agents (myocardial irritability). Excretion of endrin from the body may require days or weeks.

WORK SAFETY RULES

Wear clean synthetic gloves and a mask or a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part II. Wash thoroughly with soap and water after handling and before eating or smoking. Wear clean clothing daily.

Required Clothing For Female Workers

Female ground applicators, mixers and loaders and flagpersons must wear long-sleeved shirts and long pants made of a closely woven fabric and wide-brimmed hats. Mixers and loaders must also wear rubber or synthetic rubber boots and aprons.

Warning to Female Workers

The United States Environmental Protection Agency has determined that endrin causes birth defects in laboratory animals. Exposure to endrin during pregnancy should be avoided. Female workers must be sure to wear all protective clothing and use all protective equipment specified on this label. In case of accidental spills or other unusual exposure, cease work immediately and follow directions for contact with endrin.

RESTRICTED USE PESTICIDE
 FOR RETAIL SALE TO AND USE ONLY BY
 APPLICATORS OR PERSONS UNDER THE
 SUPERVISION AND ONLY FOR THOSE USES
 THE CERTIFIED APPLICATOR'S CERTIFICATE

VELSICO
ENDRIN
 AGRICULTURAL



CONTAINS 1
 PI

Active Ingredients:

Endrin
 Xylene Range Aromatic Solvent
 Inert Ingredients
 Total

*Hexachloroepoxyoctahydro-endo-endo-dimethanon-

KEEP OUT OF THE REACH OF CHILDREN
DANGER



POISON

SEE SIDE PANELS FOR STATEMENT OF PRACTICAL
 TREATMENT AND ADDITIONAL PRECAUTIONARY STATEMENTS

VELSICO CHEMICAL CORPORATION

RESTRICTED USE PESTICIDE

FOR RETAIL SALE TO AND USE ONLY BY
CERTIFIED APPLICATORS OR PERSONS
UNDER THEIR DIRECT SUPERVISION AND
ONLY FOR THOSE USES COVERED BY THE
CERTIFIED APPLICATOR'S CERTIFICATION.

VELSICOL®

ENDRIN 1.6 EC

AGRICULTURAL INSECTICIDE

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO
USE THIS PRODUCT IN A MANNER INCON-
SISTENT WITH ITS LABELING

E.P.A. Reg. No. 876-153-AA

THIS LABELING MUST BE IN THE POSSESSION OF THE USER AT
THE TIME OF PESTICIDE APPLICATION

Refer to pages 8, 9, 10 and 11 of this booklet
for 24(c) Special Local Need Labeling

© VELSICOL CHEMICAL CORPORATION 1980

ACCEPTED
with COMMENTS
In J.P.A. 1-2-82

DEC 20 1982

876-153

IMPORTANT

Before using Endrin 1.6 EC Agricultural Insecticide read and follow the precautions appearing on the container. Refer to the container for proper storage and disposal procedures.

MIXING DIRECTIONS

Mix with water by agitation or by circulating the mixture through spray pump and back into the tank. A proper water mixture will have the appearance of a milky emulsion with no free oil on the surface. Agitate before use until a uniform milky emulsion is formed. If precipitate deposits in cold weather warm gently with agitation until redissolved before using.

CONTENTS

IMPORTANTPage 1
 Mixing DirectionsPage 1
 CottonPages 2 & 3
 Small GrainsPages 4 & 5
 Apple OrchardsPages 6 & 7
 24(c) Special Local Need Labeling
 Nebraska For Grasshopper Control in Non-Cropland or as a Perimeter Treatment EPA SLN No. NE-780013Pages 8 & 9
 Oklahoma For Grasshopper Control in Non-Cropland as a Perimeter Treatment Only EPA SLN No. OK-780017Pages 10 & 11

FOR USE ON COTTON IN AREAS WEST OF INTERSTATE HIGHWAY #36 ONLY

Application Restrictions

Do not apply this product within 1/4 mile of human habitation. Do not apply this product by air within 1/4 mile or by ground within 1/4 mile of lakes, ponds or streams. Application may be made at distances closer to ponds owned by the user but such application may result in excessive contamination and fish kills. Do not apply when rainfall is imminent. Apply only when wind velocity is between 2 and 10 mph.

Prophylactic Use

Unnecessary use of this product can lead to resistance in pest populations and subsequent lack of efficacy.

Equipment

Ground Application

For use with boom-nozzle ground equipment. Apply at not less than 5 gallons total mixture water and chemical per acre. Do not use nozzle liquid pressure at greater than 40 pounds per square inch (psi). Do not use cone nozzle size smaller than one capable of delivering 0.16 gallons per minute (gpm) at 40 psi such as type D2-25 or TX-10 or any other atomizer or nozzle giving smaller drop size.

Aerial Application

Do not apply at less than 2 gallons total mixture of water and chemical per acre. Do not operate nozzle liquid pressure over 40 psi or with any fan nozzle smaller than one capable of delivering 0.4 gpm or fan angle greater than 65 degrees such as type 6504. Do not use any cone type nozzles smaller than those capable of delivering 0.4 gpm nor whirl plate smaller than #46 such as type D-46 or any other atomizer or nozzle giving smaller drop size. Do not release this material at greater than 10 feet above the crop.

FOR USE ON COTTON IN AREAS WEST OF INTERSTATE HIGHWAY #36 ONLY

(Con 1)

INSECTS AND DIRECTIONS	DOSAGE/ACRE ENDRIN 1.6 E.C.	LIMITATIONS
Beet weevil, bollworm For early season apply 1 pt. A For late season apply 1-2 pts. A	1-2 pts.	Workers entering treated fields within 5 days after application should be protected. Do not graze dairy animals or animals being finished for slaughter.
Thrips, leafhoppers Early season—apply 1/2 pt. A Mid season—apply 1/2 pt. A Late season—apply 1 pt. A	1/2-1 pt.	
Brown cotton leafworm, cabbage looper, celery leafminer, cotton leafworm, cutworms, garden webworm, leaf perforator, lygus bugs, rapid plant bug, salt marsh caterpillar, tarnished plant bug. Apply when insects are present. Repeat as necessary.	1-2 pts.	
Grasshoppers Fall armyworm, garden webworm, Greenhouse weaver. Apply when necessary.	1-2 pts. 1 1/2 pts. 2 pts.	

**FOR USE IN SMALL GRAINS
(Barley, Oats, Rye, Wheat)**

Application Restrictions

Do not apply this product within 1/2 mile of human habitation.
Do not apply this product by air within 1/2 mile or by ground within 1/2 mile of lakes, ponds or streams. Application may be made at distances closer to ponds owned by the user but such application may result in excessive contamination and fish kills.
Do not apply when rainfall is imminent.
Apply only when wind velocity is between 2 and 10 mph.

Equipment

Ground Application

For use with boom-nozzle ground equipment. Apply at not less than 5 gallons total mixture water and chemical per acre. Do not use nozzle liquid pressure at greater than 40 pounds per square inch (psi). Do not use cone nozzle size smaller than one capable of delivering 11.6 gallons per minute (gpm) at 40 psi such as type DZ-25 or TX-10 or any other atomizer or nozzle giving smaller drop size.

Aerial Application

Do not apply at less than one gallon total mixture of water and chemical per acre. Do not operate nozzle liquid pressure over 40 psi or with any nozzle smaller than 0.4 gpm or fan angle greater than 65 degrees such as type 6504. Do not use any cone type nozzles smaller than those capable of delivering 0.4 gpm nor whirl plate smaller than #46 such as type 24-46 or any other atomizer nozzle giving smaller drop size. Do not release this material at greater than 10 feet above the crop.

4

**FOR USE IN SMALL GRAINS
(Barley, Oats, Rye, Wheat) Can't**

INSECTS AND DIRECTIONS	DOSAGE/ACRE ENORM 1.6 EC	LIMITATIONS
Army cutworms and pine western cutworm. Make single application when insects first appear.	1-1 1/2 pts	Single application only. Do not apply within 45 days of harvest or feeding. Do not graze treated fields. Do not feed freshings to livestock.

5

FOR USE IN APPLE ORCHARDS

Pests For Which This Product May Be Applied

This product may be applied to control the following pests only:

- eastern United States—Pine Vole
(*Microtus pennsylvanicus*)
- western United States—Meadow Vole
(*Microtus species*)

Application Restrictions

Do not apply this product within 50 feet of lakes, ponds or streams.
Do not apply this product within 50 feet of areas occupied by unprotected humans.
Do not apply when rainfall is imminent.

Prophylactic Use

Unnecessary use of this product can lead to resistance in the vole population and subsequent lack of efficacy.

Equipment

Apply by ground equipment only.
Use a very coarse spray with minimum pressure necessary to penetrate ground cover. Do not apply as a fine spray. Power air blast equipment must be modified to meet the above application restriction. Consult the State recommendations for acceptable methods of adapting equipment.

6

FOR USE IN APPLE ORCHARDS (Con't)

PESTS AND DIRECTIONS	DOSAGE/ACRE ENDRIN 1.6 EC	LIMITATIONS
<p>For control of pine vole use 3 pints per 100 gals. water. Boom application apply 100 gals. of spray in a band 11 ft. wide and 670 ft. long on each side of a tree row. 350-400 gals. per acre. Hand done application apply 11 gals. of spray to each under tree area - 5.5 gals. per side.</p> <p>For control of meadow vole use 2 pints per 100 gals. water. Apply 300 to 350 gals. of spray per acre as directed for pine vole control.</p>	8-12 pils	<p>Make post harvest applications only. Allow a minimum of 2 months before culling after spraying during cool periods of autumn in accordance with the State Agriculture Extension Service.</p> <p>Post and otherwise exclude entry to treated orchards for at least 30 days.</p>

7

24(c) FOR GRASSHOPPER CONTROL IN NON-CROPLAND OR AS A PERIMETER TREATMENT (Con't) E.P.A. SLN No. NE-780013

USE RESTRICTIONS

Do not apply this material until evidence of insect infestation at damaging levels exists. Follow local recommendations for integrated pest management and field scouting. Consult State Cooperative Extension Service and Agricultural Experiment Stations for additional information as to use of this product.

INSECT	Dosage Acre Endrin 1.6 EC	Directions and Limitations
Grasshopper	1 pint	Do not apply in a manner that will cause drift onto crops. Do not graze treated areas or feed clippings or use clippings for bedding. Apply as a barrier strip around a planted field or broadcast over non crop areas with ground equipment only using 20-60 gallons of water per acre.

9

24(c) SPECIAL LOCAL NEED LABELING
FOR GRASSHOPPER CONTROL IN NON-CROPLAND
OR AS A PERIMETER TREATMENT
FOR USE ONLY IN THE STATE OF NEBRASKA
E.P.A. SLN NO. NE-780013

IMPORTANT
OBSERVE ALL PRECAUTIONS AND
RESTRICTIONS ON THE CONTAINER LABEL
ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. Birds feeding on treated areas may be killed. Do not apply closer than specified under limitations to any body of water or waterways or open water supply. Do not apply within 1/4 mile of human or domestic animal habitation or over highways. Do not apply within 12 hours preceding irrigation or when rainfall is imminent. Do not contaminate any water supply by application, cleaning of equipment or disposal of wastes resulting from empty containers or leftover spray liquids.

BENEFICIAL INSECT CAUTION

This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the treated area. Do not apply when bees are actively visiting the crop, cover crop or weeds blooming in the treated area. Follow local regulations or recommendations regarding notification to beekeepers on applications to be made.

DIRECTIONS FOR USE

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

RE-ENTRY STATEMENT

Do not treat areas where unprotected humans or domestic animals are present or birds are feeding. Do not allow entry into treated areas earlier than five days unless full protective clothing is worn. Consult appropriate State regulatory officials for State Re-Entry Restrictions which take precedence if more restrictive than those stated on this label.

MIXING DIRECTIONS

Mix with water by agitation or by circulating the mixture through spray pump and back into the tank. A proper water mixture will have the appearance of a milky emulsion with no free oil on the surface. Agitate before use until a uniform milky emulsion is formed. If a precipitate deposits in cold weather, warm gently with agitation until redissolved before using.

8

24(c) SPECIAL LOCAL NEED LABELING
FOR GRASSHOPPER CONTROL IN NON-CROPLAND
AS A PERIMETER TREATMENT ONLY
FOR USE ONLY IN THE STATE OF OKLAHOMA
E.P.A. SLN NO. OK-780017

IMPORTANT
OBSERVE ALL PRECAUTIONS AND
RESTRICTIONS ON THE CONTAINER LABEL
ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. Birds feeding on treated areas may be killed. Do not apply closer than specified under limitations to any body of water or waterways or open water supply. Do not apply within 1/4 mile of human or domestic animal habitation or over highways. Do not apply within 12 hours preceding irrigation or when rainfall is imminent. Do not contaminate any water supply by application, cleaning of equipment or disposal of wastes resulting from empty containers or leftover spray liquids.

BENEFICIAL INSECT CAUTION

This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on treated area. Do not apply when bees are actively visiting the crop, cover crop or weeds blooming in the treated area. Follow local regulations or recommendations regarding notification to beekeepers on applications to be made.

DIRECTIONS FOR USE

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

RE-ENTRY STATEMENT

Do not treat areas where unprotected humans or domestic animals are present or birds are feeding. Do not allow entry into treated areas earlier than five days unless full protective clothing is worn. Consult appropriate State regulatory officials for State Re-Entry Restrictions which take precedence if more restrictive than those stated on this label.

MIXING DIRECTIONS

Mix with water by agitation or by circulating the mixture through spray pump and back into the tank. A proper water mixture will have the appearance of a milky emulsion with no free oil on the surface. Agitate before use until a uniform milky emulsion is formed. If a precipitate deposits in cold weather, warm gently with agitation until redissolved before using.

10

24(G) FOR GRASSHOPPER CONTROL IN NON-CROPLAND AS A PERIMETER TREATMENT ONLY (Con't) E.P.A. SLN No. DK-780017

USE RESTRICTIONS

Do not apply this material until evidence of insect infestation at damaging levels exists. Follow local recommendations for integrated pest management and field scouting. Consult State Cooperative Extension Service Agricultural Experiment Stations for additional information as to use of this product.

INSECT	Dosage/Acre (Endna 16 EC)	Directions and Limitations
Grasshopper	1.1 x pts	Do not apply in a manner that will blow drift onto crops, range and/or gardens. Do not graze treated areas or feed chopings. Apply as a barrier strip around field with ground equipment only using 20-60 gallons of water per acre.

THIS LABELING MUST BE IN THE POSSESSION OF THE USER AT THE TIME OF PESTICIDE APPLICATION

NOTICE: Read "LIMITED WARRANTY AND LIABILITY" on the container before buying or using. If terms are not acceptable, return at once unopened.

PROSPER WITH PESTICIDES
BY USING THEM PROPERLY.
READ AND FOLLOW LABEL
DIRECTIONS



VELSICOL CHEMICAL CORPORATION
341 East Ohio Street, Chicago, Illinois 60611

03151-150AG

300/77711
17/7

DEC 20 1982

Velsicol Chemical Corporation
World Headquarters
341 East Ohio Street
Chicago, IL 60611

Attention: Mr. Bergman

Gentlemen:

Subject: Amendment - Alternate Formula and Revised Labeling
Velsicol Endrin 1.6 EC Agricultural Insecticide
EPA Registration No. 876-153
Your Application Dated August 26, 1982

رسول
11/17/82

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.

Sincerely yours,

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

Enclosure

RD:LAROCCA:DCR-39810;WANG-0954C:pjb:Raven:479-2013:11/2/82