

# SUPPLEMENTAL LABEL



DES-I-GATE  
(EPA Registration No. 4581-206)

NOT FOR USE IN CALIFORNIA

*IR-4 crop - approved 2/5/86. Same label instructions*

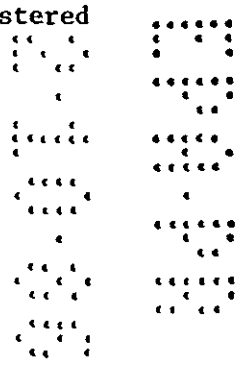
ACCEPTED  
MAR 4 1986  
4581-206

FOR USE IN HOPS SUCKER SUPPRESSION

USE	RATE/ACRE	REMARKS
To suppress hops sucker growth	0.5 - 1.0 ✓ lb. ai	Apply once or twice per season. Make first application when main bines are 2 - 3 feet tall. Subsequent application may be made 7 - 14 days later when hops suckers are 1 - 2 feet long. Spray only basal portion of plant. Avoid spraying main bine within 1 - 2 feet of growing point. Apply in sufficient water for adequate coverage (15 - 40 gpa). Do not apply within 85 days of harvest. Apply with ground equipment only.

Observe all applicable precautions and limitations on the EPA-registered label for this product.

(1/86)



### GENERAL INFORMATION

DES-I-CATE is a water soluble formulation of endothall containing a special inorganic salt and an amine for use as a defoliant or desiccant for drying out, hardening, and removing green plant growth from certain seed crops prior to harvesting to permit direct combining, such as alfalfa and clover.

It is also a contact-type herbicide for killing potato vines. In addition to facilitating harvesting, DES-I-CATE assists in setting potato skins. Use the recommended rate of DES-I-CATE with water as a carrier. DES-I-CATE disperses readily in water and remains uniformly in solution. It is suggested to fill the tank with water first and then add DES-I-CATE since there is a possibility of foaming. In case of excessive foaming add small amount of antifoam to spray tank.

In aerial as well as in ground applications, complete coverage of plants with DES-I-CATE in the liquid state is essential for best results. Therefore, large spray droplet size should be used and application should be made preferably during periods of highest relative humidity (early mornings or evening) if daytime temperatures are expected to reach 80° or higher.

### POTATOES DIRECTIONS FOR USE

Apply to potato vines 10 to 14 days prior to harvest, using the recommended rate of DES-I-CATE thoroughly mixed with water as follows:

**For Aerial Applications:** Light to medium Vine Growth—Apply 1½ to 2 gallons of DES-I-CATE in 5 to 10 gallons of total spray per acre.

**Heavy Vine Growth—**Apply 2 gallons of DES-I-CATE in 5 to 10 gallons total spray per acre. Use of 10 gallons total spray will improve coverage on heavy vine growth. For exceptionally heavy vines it is sometimes advisable to apply one gallon of DES-I-CATE in 5 gallons of spray in one direction followed immediately by a similar amount applied at right angles to the first set of swaths.

**For Ground Applications:** Light to medium Vine Growth—Apply 1½ to 2 gallons of DES-I-CATE per acre in 20 to 100 gallons of total spray. Use higher rate during cool, cloudy weather. Heavy Vine Growth—Apply 2 gallons of DES-I-CATE per acre in 20 to 100 gallons of total spray. For Northwest conditions, it is suggested that total spray in ground equipment not exceed 40 gallons per acre.

**NOTE:** The addition of 3 to 5 gallons per acre of diesel fuel or 1 pint of paraffin base herbicidal oil for each 20 gallons of total spray may increase speed and overall vine kill. No wetting agent or emulsifier is required since DES-I-CATE will normally emulsify diesel fuel or other herbicidal oil. Do not use high rate, diesel fuel or other oils under conditions favorable for rapid vine kill such as low soil moisture or high temperatures since stem-end discoloration may occur. When using diesel fuel, always add the oil last to the DES-I-CATE and water to avoid the possibility of forming an invert emulsion.

### ALFALFA AND CLOVER DIRECTIONS FOR USE

(Seed Crops Only— See Warning)

Alfalfa and Clovers (Crimson C., Alsike C., Ladino C., Red C., Sweet C. and White C.)

**For Aerial Applications** the following rates are recommended:

**Medium Stands:** Use 1¼ gallon of DES-I-CATE in 8½ gallons of water per acre in one application.

**Heavy Stands:** Use ¾ to 1¼ gallons of DES-I-CATE in 8½ to 9 gallons of water per acre and repeat application in 3 to 5 days; or use 1½ gallons of DES-I-CATE in 8 gallons of water per acre in one application.

**For Ground Application** use the same rates of DES-I-CATE per acre, but increase the water to make a total spray of 15 to 20 gallons per acre.

**When to Combine** is dependent on the weather but usually the desiccated alfalfa or clover is ready to combine 5 to 10 days after treatment.

**NOTE:** Seed crops should not be sprayed until the seed is mature and the plants have lost moisture normally following the end of the irrigation season. Spraying before the seed has reached maximum dry weight may result in yield reduction. Seed crops are normally ready for combining 5 to 10 days after treatment. For best results combine the seed crop as soon as it is ready for (rest.)



ACCEPTED  
MAR 22 1979  
Under the Federal Insecticide, Fungicide, and Plant Disease Control Act, as amended, for the pesticide registered under 4581-206



# DIES-1-CAT

**A POTATO VINE KILLER AND A HARVEST AID  
FOR ALFALFA AND CLOVER**

Contains 0.52 lb. endothall\* per gallon

**ACTIVE INGREDIENT:**

Mono (N,N-dimethylalkylamine)\*\* salt of endothall\* 15.9%

INERT INGREDIENTS..... 84.1%

TOTAL..... 100%

\*7-Oxabicyclo (2 2 1) heptane-2,3-dicarboxylic acid equivalent 5.5%

\*\*Alkyl groups as in fatty acids of coconut oil

U.S. Patents 2,900,411, 3,246,015, other patents pending

**DANGER**

**KEEP OUT OF REACH OF CHILDREN**

See Specific Warning Statements of Side Panel

EPA REGISTRATION NO. 4581-206-AA

EPA ESTABLISHMENT NO. 8590-PA-1

NET CONTENTS 30 U.S. GAL.

AGCHEM DIVISION-PENNWALT CORPORATION

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 **PENNWALT**

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## DANGER

Keep out of reach of children. Corrosive, causes eye damage and skin irritation. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. May be fatal if absorbed through the skin. Irritating to nose and throat. Avoid breathing spray mist. Avoid contamination of food.

## FIRST AID

**IN CASE OF CONTACT,** immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.

**IF SWALLOWED,** drink promptly a large quantity of milk, egg whites, gelatin solution or, if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be needed.

## CAUTION

Avoid contact with or drift to other crops, trees, or plants as injury may occur. To avoid drift use coarse sprays and do not apply in windy weather. Do not reuse this container. Wash out sprayer immediately after use to facilitate ease of cleaning. Seed from treated fields should be used for planting purposes only. Do not use seed for food, feed, or oil purposes. Do not feed treated forage to dairy animals or animals being finished for slaughter. Do not use on forage to be sold commercially or to be shipped interstate. Do not graze treated areas.

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

## DESTROY CONTAINER WHEN EMPTY

Flush thoroughly with water in some location where flush water can be run off harmlessly as to not contaminate feed, food, or water sources. Then punch container full of holes or crush so that it cannot be used again for any purpose. Take to city dump or other location where no attempt will be made to salvage for any use whatsoever.

## WARRANTY AND DISCLAIMER

Pennwalt Corporation 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, subject to the risks referred to therein. PENNWALT MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL PENNWALT OR SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS, BUSINESS REPUTATION, OR CUSTOMERS; LABOR COST; OR OTHER EXPENSES INCURRED IN PLANTING OR HARVESTING.

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