

4581-206

11-8-2002

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NOV 8 2002

Christopher Davis  
Cerexagri, Inc.  
630 Freedom Business Center  
Suite 402  
King of Prussia, PA 19406

Dear Mr. Davis:

SUBJECT: Label Revision Amendment - First Aid Statement  
EPA Registration No. 4581-206  
Application Dated September 4, 2002

The labeling, referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) as amended, is acceptable provided the following changes are made:

1. Under "IF SWALLOWED" last sentence add "Do not give anything by mouth to an unconscious person."
2. The "HOT LINE NUMBER" should be on same page as "FIRST AID STATEMENT".

The amended label supersede all previously accepted ones. A stamped copy is enclosed for your records. Please submit one copy of your printed label before you release the product for shipment.

Sincerely yours,

Joanne I. Miller  
Product Manager 23  
Herbicide Branch  
Registration Division (7505C)

Enclosure

W. Coakle

11-8-02

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# DES-I-CATE®

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

Contains 0.52 lbs. endothall\* per gallon

ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
NOV 8 2002

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 4581-206

ACTIVE INGREDIENT:	
Mixed Mono- and Di- (N,N-dimethylalkylamine)** endothall* salt. ....	15.9%
OTHER INGREDIENTS: .....	84.1%
 TOTAL .....	 100.0%

\*7-oxabicyclo [2.2.1] heptane-2,3-dicarboxylic acid equivalent 5.5%  
\*\*Alkyl groups as in fatty acids of coconut oil

### KEEP OUT OF REACH OF CHILDREN PELIGRO DANGER

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail).

#### FIRST AID

##### IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
- Call a poison control center or doctor for treatment advice.

##### IF ON SKIN:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

##### IF INHALED:

- Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for treatment advice.

##### IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow. Do not induce vomiting unless told by a poison control center or doctor.

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

See Side Panel for Additional Precautionary Statements.

EPA REGISTRATION NO. 4581-206

EPA ESTABLISHMENT NO. 4581-MI-1

Cerexagri, inc.  
630 Freedom Business Center, Suite 402  
King of Prussia, PA 19406

Net Contents:

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)**

**DANGER**

CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS. MAY BE FATAL IF ABSORBED THROUGH SKIN. HARMFUL IF SWALLOWED OR INHALED. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. AVOID BREATHING VAPOR OR SPRAY MIST.

**PERSONAL PROTECTIVE EQUIPMENT**

Applicators and other handlers must wear:

- Coveralls over long-sleeved shirt and long pants
- Waterproof gloves
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing or loading
- Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**ENGINEERING CONTROLS STATEMENTS:**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**USER SAFETY RECOMMENDATIONS:**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

Avoid contact with or drift to other crops, trees, or plants as injury may occur. To avoid drift use coarse spray and do not apply in windy weather.

This product is toxic to fish and wildlife. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

Do not feed treated forage to dairy animals being finished for slaughter. Do not use on forage to be sold commercially or to be shipped interstate. Do not graze treated areas.

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### DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls over long-sleeved shirt and long pants
- Waterproof gloves
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

### 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 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 morning or evening) if daytime temperatures are expected to reach 80 degrees or higher. Wash out sprayer immediately after use.

Do not apply this product through any type of irrigation system.

### POTATOES

Treated Potatoes Must Be Harvested By Mechanical Means Only. Culling Of Harvested Potatoes Is Allowed

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 1 1/2 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 1 1/2 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 discolorations 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

Treated Alfalfa and Clover Must be Harvested by Mechanical Means Only.

**Seed Crops Only--** (Seed from treated fields should be used for planting purposes only. Do not use seed for food, feed, or oil purposes.)

**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 1 1/4 gallons of DES-I-CATE in 8 1/2 gallons of water per acre in one application.

**Heavy stands:** Use 3/4 to 1 1/4 gallons of DES-I-CATE in 8 1/2 to 9 gallons of water per acre and repeat application in 3 to 5 days; or use 1 1/2 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 harvest.

### For Use in Hops Sucker Suppression – Not for Use in California

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.

### EMERGENCY TELEPHONE NUMBERS

**CHEMTREC: (800) 424-9300**

**MEDICAL: (303) 623-5716**

**Rocky Mountain Poison Control Center**

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**Storage Instructions:** Store in the original container. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. In the event of spillage during handling or storage, absorb with sand or other inert material and dispose of absorbent in accordance with the Pesticide Disposal Instructions listed below.

**Pesticide Disposal Instructions:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Container Disposal Instructions:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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**WARRANTY AND DISCLAIMER**

Cerexagri, Inc. 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. CEREXAGRI MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY IN NO CASE SHALL CEREXAGRI 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.

Cerexagri and seller offer this product and the buyer and user accept it subject to the foregoing conditions of sale and warranty which may be varied only by agreement in writing signed by a duly authorized representative of Cerexagri.