

PM 21 4581-206

file 1 of 5



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MAR 7 1994

GARY R. SANDBERG
ELF ATOCHEM NORTH AMERICA INC.
AGRICHEMICALS DIV
2000 MARKET STREET, 21ST FLOOR
PHILADELPHIA, PA. 19103

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 9/21/93 Response to PR Notice 93-7
EPA Reg. No. 4581-206
DES-I-CATE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

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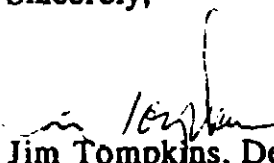
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,


Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

atochem



PROPOSED LABEL

DES-I-CATE®

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

Contains 0.52 lbs. endothall* per gallon

ACTIVE INGREDIENT:

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

INERT 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).

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES, immediately flush with plenty of water for at least 15 minutes. Call a physician.

IF ON SKIN, immediately flush with plenty of water for at least 15 minutes. ~~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 convulsion may be needed.

See Side Panel for Additional Precautionary Statements

EPA Registration No. 4581-206

EPA Establishment No. 4581-TX-1

Net Contents 5 U.S. Gallons/18.9 Liters

Sold by:
ELF ATOCHEM NORTH AMERICA, INC.—AGCHEM DIVISION
Philadelphia, PA

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 any manner where cross-contamination with other pesticides, fertilizers, or feed could occur. In the event of spillage during handling, absorb with sand or other inert material and dispose of absorbent material in accordance with the Pesticide Disposal Instructions listed below.

Pesticide Disposal Instructions: Pesticide wastes are acutely toxic. Improper disposal of excess pesticide, spray mixture, or empty container is a violation of Federal law. If these wastes cannot be disposed of in accordance with the Pesticide Disposal Instructions, contact your State Pesticide Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

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

WARRANTY AND DISCLAIMER

Elf Atochem North America warrants that this material conforms to the chemical label and is reasonably fit for the purposes referred to in the Directions for Use, as referred to therein. ELF ATOCHEM MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY IN CONNECTION WITH THIS PRODUCT. ELF ATOCHEM 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 DAMAGES INCURRED IN PLANTING OR HARVESTING.

Elf Atochem and seller offer this product and the buyer and user accept it subject to the conditions of sale and warranty which may be varied only by agreement in writing with an authorized representative of Elf Atochem.

5-C204S-01 DB (7/93)

Made and

(9/93)

ACCEPTED
with COMMENTS
In EPA Letter Dated

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

BEST AVAILABLE COPY

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

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 sprays and do not apply in windy weather.

This product is toxic to fish and wildlife. Keep out of lakes, streams or ponds. 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.

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 ~~4-24~~ ~~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

Notify workers of the application by warning labels and by posting warning signs at entrance to treated areas.

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GENERAL INFORMATION

DES-I-CATE is a water soluble formulation of endothal containing a surfactant, an organic salt and an amine for use as a defoliant or desiccant for drying, but 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 mornings or evening) if daytime temperatures are expected to reach 80° or higher. Wash out sprayer immediately after use.

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

POTATOES

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.

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ALFALFA AND CLOVER

(See 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 1½ gallons 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 harvest.