

AUG 9 1982

Mr. James G. Nicholas  
Vineland Chemical Co., Inc.  
P.O. Box 745  
Vineland, NJ 08360

Dear Mr. Nicholas:

Subject: Amendment: Add Use on Cotton  
Rad-E-Cate 35  
EPA Registration No. 2853-28  
Your Submission of July 30, 1982

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), is acceptable provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment:
  - a. Specify "EPA Registration No. 2853-28."
  - b. Delete the paragraph "MIXING INSTRUCTIONS...added defoliant at 1 - 1-1/2 pints per acre."
  - c. Add to the Tank Mixing Instructions:

Observe all directions, precautions, and limitations on both products' labels. Do not exceed recommended label rates for each individual defoliant chemical. Do not add additional surfactant or oils when using tank-mix applications.
  - d. "Net Contents, EPA Reg. No., EPA Est. No., Printed in U.S.A." are duplicated on the label.
  - e. Delete "Run rinse water in area away from domestic water sources."
  - f. To the directions for non-crop use add:

Do not contaminate water used for irrigation or domestic purposes.

- g. Delete "WARNING" on the right panel. You should change "CAUTION" to "Precautions."
3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.


If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(a). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

The following additional brand names are acceptable. The text must be identical to the basic label except for the brand name.

Clean-Boll<sup>TM</sup> Cotton Defoliant  
Shed-A-Leaf Cotton Defoliant

Sincerely yours,

Richard F. Mountfort   
Product Manager (23)  
Fungicide-Herbicide Branch  
Registration Division (TS-767)

Enclosure

# RAD-E-CATE 35

A Post-Emergent, Non-Selective Grass and Weed Killer and Cotton Defoliant

## ACTIVE INGREDIENTS:

Sodium Cacodylate .....	29.00%
Dimethylarsinic Acid (Cacodylic Acid) .....	5.00%
INERT INGREDIENTS:	66.00%

Total	100.00%
Total Arsenic (as elemental) all in water soluble form	16.28%
Contains 3.25 lbs. Cacodylic Acid Equivalent per gallon.	

KEEP OUT OF REACH OF CHILDREN

## CAUTION:

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed or inhaled. Avoid breathing spray mist. (Coarse sprays are less likely to drift.) Avoid contact with eyes, skin or clothing. Causes eye irritation. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Keep children and domestic animals off treated areas until washed into the soil. Avoid contamination of feed or food products.

### STATEMENT OF PRACTICAL TREATMENT

If swallowed, call a physician immediately. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. If on skin, wash with plenty of soap and water. Get medical attention if irritation persists.

If inhaled, remove victim to fresh air. Apply artificial respiration, preferably mouth to mouth, if indicated.

If in eyes, flush with plenty of water. Get medical attention if irritation persists.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

**GENERAL INFORMATION:** RAD-E-CATE 35 Cotton Defoliant is used as a harvest aid for the defoliation of cotton. Its phytotoxic properties are quickly inactivated on contact with the soil. It is a combination of a defoliating agent and surfactant (which is cleared for application to growing crops). It is desirable to add additional surfactant (which is cleared for application to growing crops) when using ground

application equipment (see use directions); none need be added for aerial application.

**CARE OF EQUIPMENT:** Although Cotton Defoliant is only moderately corrosive, do not apply with any applicator having zinc, aluminum, magnesium or alloy components.

### DIRECTIONS FOR USE:

**DEFOLIATION OF DRYLAND COTTON:** Apply 2-2½ pints per acre 7-10 days prior to harvest and when over 50% of bolls are open.

**DEFOLIATION OF IRRIGATED COTTON:** Apply ½ pint per acre more than dryland cotton rate.

**NOTE:** For defoliation all leaves must be contacted by properly placed nozzles. If applied by aircraft use 5-10 gallons of water per acre. If applied by ground equipment a volume of 15-20 gallons of water per acre should be used to which is added about ½ pint of a non-ionic surfactant.

Do not feed treated foliage to livestock or graze treated areas.

Avoid contact with aircraft components to avoid corrosion.

**TANK MIXING INSTRUCTIONS:** Tank mixtures with DEF cotton defoliant may be added for more consistent defoliation under wider range of conditions. Use RAD-E-CATE 35 at 1½ to 2 pints per acre and an added defoliant at 1-1½ pints per acre.

### STORAGE AND DISPOSAL

**PROHIBITION:** Do not store near feed or food products.

**PESTICIDE DISPOSAL:** Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of according to applicable Federal, state or local procedures.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then puncture and dispose of in a sanitary landfill or by other approved state and local procedures.

**BEFORE USING ANY HERBICIDE, STOP AND READ THE LABEL.**

NET CONTENTS

EPA REG. NO. 2853  
EPA EST. NO. 2853-NJ-1

Printed in U.S.A.

**GENERAL INFORMATION:** Rad-E-Cate 35 is a sodium cacodylate. It is a non-selective herbicide. Destruction of weeds on contact. Destruction of bushes may be accomplished by direct application.

**DIRECTIONS FOR USE: RAD-E-CATE 35** sections of lawns and turf, apply Rad-E-Cate 35. Sun and high temperature thoroughly to run-off using the spray.

Rate	Ar
1 quart	
1 gallon	

To prepare spray solution fill spray tank with water, add the required amount of Rad-E-Cate 35. AGENT NEED BE ADDED TO THE spray solution. Calibrated for best results and the spray amount of water to the properly measure. RAD-E-CATE 35 will top-kill perennial weeds. Second treatment 5 days after first application. Rad-E-Cate 35 Herbicide may be used in drainage ditches. Do not use in vegetable gardens. Clean equipment after use by flushing with domestic water sources.

### USE IN ACCORDANCE WITH LABEL

Reseeding after weed control should be done at experimental station and extension stations. Seeds may be worked into soil by dressing of screened peat moss with seed. Reseeding a minimum of 5 days after application.



VINELAND CHEMICAL COMPANY

VINELAND, NEW JERSEY

