

# HARVADE-25F

HARVEST GROWTH REGULANT  
FOR COTTON

BEST DOCUMENT AVAILABLE

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS DANGER

Corrosive, causes burns. Do not get in eyes, on skin or on clothing. Harmful if swallowed, inhaled or absorbed through skin. Avoid breathing vapors. Wear protective clothing and impermeable gloves during mixing, loading, flagging, or application of HARVADE. Wash thoroughly with soap and water after use and before eating or smoking. Remove contaminated clothing and wash before reuse.

### ENVIRONMENTAL HAZARDS

Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply when weather favors drift from treated area.

### DIRECTIONS FOR USE

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

### STORAGE AND DISPOSAL

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

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

**UNIROYAL**

ACCEPTED

MAY 22 1984

U.S. Environmental Protection Agency  
Office of Pesticide Programs  
EPA Reg. No. 400-5748

### COMPOSITION

Active Ingredient: (%) by weight  
dimethipin (2,3-Dihydro-5,6-dimethyl-1,4-dithiin  
1,1,4,4-tetraoxide\*) ..... 22.4%\*\*  
Inert Ingredients: ..... 77.6%

Total: ..... 100.0%

\*U.S. Patent No. 3,920,438

\*\*Contains 2 pounds of active ingredient per gallon.

## KEEP OUT OF REACH OF CHILDREN. DANGER

### STATEMENT OF PRACTICAL TREATMENT

**IF ON SKIN:** Wash thoroughly with soap and water. Call a physician immediately.

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

**IF IN EYES:** flush eyes with plenty of water for at least 15 minutes. Contact a physician.

**IF INHALED:** remove to fresh air; if abnormal symptoms develop, contact a physician.

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

Mfg by UNIROYAL CHEMICAL — Division of UNIROYAL, Inc.  
Naugatuck, Connecticut 06770  
EPA EST. NO.  
EPA Reg. No. 400-  
HARVADE is a registered trademark of UNIROYAL, Inc.

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SHAKE WELL BEFORE USING

NET CONTENTS:

400 300

2

### MIXING INSTRUCTIONS

Invert container several times before using to insure that the contents are uniformly mixed. Fill the spray tank with 2/3 of the required amount of water. Add the desired amount of HARVADE and remaining required amount of water. HARVADE will suspend easily with minimum agitation.

### DIRECTIONS FOR USE

#### General Information

HARVADE is a plant growth regulant that effects certain plant processes which lead to defoliation in cotton. Since HARVADE must enter the plant through the leaves for optimum activity, it must be applied in a manner that will allow maximum penetration through the leaf surface. Complete coverage of the entire plant is essential for optimum effectiveness.

#### Application Equipment

Nearly all spray application equipment is suitable for applying HARVADE if fine spray droplets can be deposited. If aerial equipment is used, it should be fitted with a fixed boom set at 45-90° relative to the trailing edge of wing and flown 10-12 ft. above the crop canopy.

#### Compatibility

HARVADE is compatible with most commonly used cotton desiccants, defoliants, and insecticides. Consult your supplier or Uniroyal for details.

### COTTON FOR DEFOLIATION

HARVADE should be applied to mature cotton plants when 70% or more of the bolls are open and 7 to 10 days prior to anticipated harvest.

#### Air Application

Mix 1 1/2 pints (20 fl. oz.) of HARVADE in a minimum of 5 gallons of spray solution per acre. A second application at rates of 15 fluid oz/A of HARVADE may be necessary 5-7 days later. See application notes.

#### Ground Application

Mix 1 1/2 pints (20 fl. oz.) of HARVADE in 10-20 gallons of spray solution per acre. A second application at rates of 15 fluid oz/A of HARVADE may be necessary 5-7 days later. See application notes.

#### Application Notes

- (1) Partial defoliation from the first application will most likely result from one or more of the following conditions, requiring a second application.
  - Rank cotton foliage is dense enough to inhibit spray droplets from reaching bottom leaves.
  - Bolls are not 70% open
  - Night temperatures are below 55°F for 3-4 nights after application.
  - Rainfall occurs within 6 hours after application.
- (2) On rain-belt cotton if a high percentage of cotton leaves are still actively growing, then 2-4 fluid oz/A of Paraquat should be added to the labeled rate of HARVADE for more complete defoliation.

### USE PRECAUTIONS

1. Do not plant rotational crops within 6 months after application.
2. Spray drift
  - a. Do not apply HARVADE directly to, or permit mist to drift onto citrus, broccoli, almonds, grapes, peppers, tomatoes, lettuce, alfalfa, sugarbeets or winter wheat. These crops may sustain significant injury if contacted with HARVADE.
  - b. Do not apply HARVADE to, or permit mist to drift onto soil that will subsequently be seeded to peppers, tomatoes, lettuce, broccoli, alfalfa or sugarbeets. Significant crop injury may occur from such an application.
  - c. Do not apply HARVADE to, or permit mist to drift onto irrigation water that will subsequently be applied to peppers, tomatoes or lettuce.

**IMPORTANT NOTICE** — Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions and instructions specified on the label under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product, contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDE PROGRAMS REGISTRATION DIVISION (WH 567) WASHINGTON, D.C. 20460	EPA REGISTRATION NO.	DATE OF ISSUANCE 5/22/84
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT	
NOTICE OF PESTICIDE: REGISTRATION, RENEWAL, OR REREGERISTRATION <i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended.)</i>		
NAME AND ADDRESS OF REGISTRANT (include ZIP code)		
BEST DOCUMENT AVAILABLE		
NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.		
On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.		
A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.		
Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.		
<input type="checkbox"/> ATTACHMENT IF APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL		DATE