

# HARVADE<sup>(R)</sup> - 5F

## HARVEST GROWTH REGULANT

### 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-5F, the selected spray adjuvant and remaining required amount of water. The HARVADE-5F and spray adjuvant will suspend easily with minimum agitation.

### DIRECTIONS FOR USE

**General Information**  
HARVADE-5F is a plant growth regulant that effects certain plant processes which lead to defoliation in cotton.

Since HARVADE-5F 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. HARVADE-5F MUST BE USED WITH ONE OF THE DESIGNATED SPRAY ADJUVANTS BELOW. THEY ARE LISTED FOR EACH CROP SEPARATELY.

### Application Equipment

Nearly all spray application equipment is suitable for applying HARVADE-5F 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-5F is compatible with most commonly used cotton desiccants, defoliants, and insecticides. Consult your supplier or Uniroyal for details.

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS

#### WARNING

May be fatal if inhaled. Harmful if swallowed. Do not breathe vapors or spray mist. Avoid contact with skin, eyes or clothing. In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists. Keep away from food or food products.

Wash hands and face thoroughly with soap and water after use and before eating or smoking.

#### 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 and disposal.

**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) and offer for recycling or reconditioning, or dispose of in a sanitary landfill or by incineration if permitted by State and local authorities.

#### COMPOSITION

Active Ingredient ( ) by weight)	
(2,3 Dihydro-5,6 dimethyl-1,4-dithian	
1,1,4,4 tetraoxide*)	49.0 %**
Inert Ingredients	51.0
Total	100.0 %

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

\*\*Contains 5.0 pounds of active ingredient per gallon

**UNIROYAL**

ACCEPTED

AUG 15 1982

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 499-1007

### KEEP OUT OF REACH OF CHILDREN

## WARNING

### STATEMENTS OF PRACTICAL TREATMENT

If swallowed, drink promptly a large quantity of milk, egg white or gelatin solution. If not available drink large amounts of water. Avoid alcohol. Call a physician immediately.

If on eyes or skin, wash with plenty of water for at least 15 minutes. For eyes call a physician. Remove and wash contaminated clothing before use.

If inhaled and abnormal symptoms develop, see a physician

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

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EPA Reg. No. 400-155

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SHAKE WELL BEFORE USING

### COTTON FOR DEFOLIATION

HARVADE-5F should be applied to mature cotton plants when 60% - 70% or more of the bolls are open and 7 to 10 days prior to anticipated harvest.

#### AIR APPLICATION

Mix ½ pt. (8 fl. oz.)<sup>(1)</sup> of HARVADE-5F plus one of the spray adjuvants designated below in a minimum of 5 gallons of spray solution per acre. A second application at rates of 6 fluid oz/A of HARVADE-5F may be necessary 5-7 days later. See application note<sup>(2)</sup>.

#### Ground Application

Mix ½ pt. (8 fl. oz.)<sup>(1)</sup> of HARVADE-5F plus one of the spray adjuvants designated below in 10-20 gallons of spray solution per acre. A second application at rates of 6 fluid oz/A of HARVADE-5F may be necessary 5-7 days later. See application note<sup>(2)</sup>.

#### Application Notes

(1) One gallon of HARVADE-5F will treat 16 acres of cotton when applied at the 8 fl. oz. rate.

(2) 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 60% open.
- Night temperatures are below 55°F for 3-4 nights after application.
- Rainfall occurs within 6 hours after application.

#### SPRAY ADJUVANTS REQUIRED WITH HARVADE-5F

Any oil based surfactant similar to those listed below should provide equal results when applied at a minimum rate of 1 pint/A: Miller-Aide, MorAct, Western Farm Defoliant Spreader Sticker, Agridex, Prime Oil, Super Oil, Surf Oil.

### PRECAUTIONS

- 1 Do not plant rotational crops within 6 months after application.
2. Spray drift:
  - a) Do not apply HARVADE-5F 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-5F.
  - b) Do not apply HARVADE-5F 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-5F 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.