

READ ENTIRE LABEL BEFORE USING THIS PRODUCT:

## CAUTION: KEEP OUT OF REACH OF CHILDREN

**CAUTION:** Harmful if swallowed. Avoid contact with skin. Avoid breathing spray mist. Wash hands after using. Avoid storage near feed or food products. Keep children and domestic animals off treated areas until this material has been washed into soil.

**ANTIDOTE:** If taken internally, induce vomiting and call physician at once. Do not feed treated foliage to livestock or graze treated areas. Do not contaminate waters used for domestic consumption, or by animals, wildlife and aquatic life, or for irrigation purposes.

**CONTAINER DISPOSAL:** Do not reuse container. Wash thoroughly with water and detergent, crush if possible and discard in a safe place.

**NON-WARRANTY:** Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.

**GENERAL INFORMATION:** Hi-Yield Super DECIMATE + SURFACTANT is an effective herbicide particularly for grassy weeds when applied pre-plant and post-emergent to cotton, bearing citrus, listed agricultural plantings, non-crop areas and lawn and ornamental turf. It is unnecessary to add any other surfactant to the spray solution. Best results are obtained on young actively growing weeds (temperature above 70° F.). The phytotoxic properties are quickly inactivated on contact with the soil.

**MIXING INSTRUCTIONS:** Hi-Yield Super DECIMATE + SURFACTANT is completely water soluble. Fill the spray tank about half full with water and add required amount of herbicide. Finish filling tank with water using mild agitation. After use, clean equipment thoroughly by flushing with water. Do not store spray solution in tank for a prolonged period.

### COTTON:

**Preplant Application:** For control of weeds and grasses such as johnsongrass, nutsedge, dallisgrass, cocklebur, ragweed, sandbur (sandspur), crabgrass and puncture vine. Mix 1 1/4 gallons of Hi-Yield Super DECIMATE + SURFACTANT in 100 gallons of water. Do not add any surfactant to spray solution per acre. Apply 40 gallons of spray solution per acre. Apply once if cotton planting is delayed and weeds have emerged. Cotton may be planted immediately.

**Post-Emergence Directed Spray Application:** For control of weeds and grasses such as johnsongrass, nutsedge, dallisgrass, cocklebur, ragweed, sandbur (sandspur), crabgrass and puncture vine. Mix 1 1/4 gals. in 100 gallons of water. Do not add any surfactant to spray solution. Apply spray solution at 40 gallons per acre. For band application in 40 inch rows, apply 1 gallon of spray solution per inch of band width per acre. Direct the spray solution to the base of the cotton plant. Nozzles should be placed so as to avoid spraying the cotton foliage. Where practical, withhold irrigation for approximately ten (10) days. A second application may be required during growing season to control perennials such as johnsongrass and nutsedge. Apply the second application 1 to 3 weeks later.

Slight burning and a reddish discoloration of the cotton leaf may occasionally occur following the recommended treatment, but the cotton plant will develop normally.

Apply only when cotton is 3 inches high to first bloom. Do not apply after first bloom. Do not feed treated foliage to livestock or graze treated areas.

### **BEARING CITRUS (Except Florida):**

Hi-Yield Super DECIMATE + SURFACTANT is useful as a directed application in citrus orchards, such as orange, grapefruit, tangerine, lemon and lime orchards. It should be applied at the rate of 1/2 to 1 gallon per acre. Mix Hi-Yield Super DECIMATE + SURFACTANT at the rate of 1/2 gallon in 75 gallons of water. Apply as a directed spray in interspaces and around base of trees. Spray unwanted vegetation to just short of run-off. If regrowth occurs, repeat as required; however do not exceed 3 applications per year. Do not allow spray solution to contact fruit, leaves, stems or bark. Use a shield, if necessary, for nursery plantings or young trees.

As a spot treatment mix Hi-Yield Super DECIMATE + SURFACTANT at the rate of 1/2 gallon in 100 gallons of water. Spray unwanted vegetation to just short of run-off. If regrowth occurs, repeat as required; however, do not exceed 3 applications per year.

Do not allow spray solution to contact fruit, leaves, stems or bark. Use a shield, if necessary, for nursery plantings or young trees.

### **AGRICULTURAL PLANTINGS:**

Hi-Yield Super DECIMATE + SURFACTANT is useful as a directed application in non-bearing deciduous fruit, nut and citrus orchards, such as apple, peach, pear, plum, prune, apricot, cherry, almond, walnut, orange, grapefruit, tangerine, lemon and lime orchards. It should be applied at the rate of 1/2 to 1 gallon per acre. Mix Hi-Yield Super DECIMATE + SURFACTANT at the rate of 1/2 gallon in 50 to 100 gallons of water. Apply as a directed spray in inter-spaces and around base of trees or vines. Spray unwanted vegetation to just short of run-off. If regrowth occurs, repeat as required, however, do not exceed 3 applications per year.

Do not allow spray solution to contact leaves, stems or bark. Use a shield, if necessary, for nursery planting or young trees. Do not apply around trees or vines from which fruit will be harvested within one year of treatment.

**NON-CROP:** Hi-Yield Super DECIMATE + SURFACTANT is useful for control of johnsongrass, nutsedge, dallisgrass, cocklebur, barnyard-grass, crabgrass, sandbur (sandspur), ragweed, puncture vine, tules and certain other weeds on drainage ditchbanks, rights-of-way, fence rows, storage yards and similar non-crop areas.

Mix Hi-Yield Super DECIMATE + SURFACTANT at a rate of 4 pints to 100 gallons of water. Spray unwanted vegetation sufficiently to provide complete coverage. Use spray equipment that gives good low volume coverage. If regrowth occurs, repeat as required.

### **LAWN AND ORNAMENTAL TURF:**

Hi-Yield Super DECIMATE + SURFACTANT is useful for control of dallisgrass, sandbur (sandspur), bahiagrass, nutsedge, crabgrass, chickweed and wood sorrel with little or no injury to tolerant lawn grasses. On new lawns, do not treat until after three mowings. Tolerant grasses may be temporarily discolored. Zoysiagrass, bluegrasses and bermudagrass are quite tolerant. Do not use on St. Augustine or centipede. Mow lawns 1 to 1 1/2 inches high before treatment. Mix 2 fl. ozs. (4 tablespoons) of Hi-Yield Super DECIMATE + SURFACTANT in 2 1/2 gallons of water and apply to an area of 1000 sq. ft. Spray thoroughly to wet all undesirable plants. Repeat applications, 10 to 14 days apart, may be needed for good control.

EPA Reg. No. 7401-246

VOLUNTARY PURCH

ACCEPTED

Approved 23 1974  
UNDER THE FEDERAL INSECTICIDE  
FUNGICIDE AND RODENTICIDE ACT  
FOR ECONOMIC POISON REGISTERED  
ED UNDER NO. 7401-246

Hi-Yield®

Super

# DECIMATE® + SURFACTANT

- FOR SELECTIVE POST-EMERGENCE WEED CONTROL
- FOR FAST, EFFECTIVE WEED CONTROL ON COTTON (preplant and post emergence), BEARING CITRUS, LISTED AGRICULTURAL PLANTINGS, NON-CROP AREAS AND LAWN AND ORNAMENTAL TURF.

ACTIVE INGREDIENT:  
 MONOSODIUM ACID METHANEARSONATE ..... 34.6%  
 INERT INGREDIENTS: ..... 65.4%

TOTAL ARSENIC (AS ELEMENTAL) ALL IN WATER SOLUBLE FORM 16.03%  
 PRODUCT CONTAINS 4.04 LBS. MSMA PER GALLON

**CAUTION: KEEP OUT OF REACH OF CHILDREN**

SEE BACK PANEL FOR ADDITIONAL CAUTIONS

VOLUNTARY PURCHASING GROUPS, INC, BONHAM TEXAS

EPA Est. 7401-TX-1

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**1. WHAT IS THIS PACKAGE FOR?**

This product provides a convenient and effective way to kill Dandelions and Crabgrass.

Also controls Chickweed, Plantains, Dallis Grass, Clover, Nutgrass, Johnson Grass.

**2. HOW DO YOU USE IT?**

Mow lawn 1 to 1 1/2 inches high before treatment. New lawns should not be sprayed until after 3 mowings. Be sure soil is moist before application. Mix 3 teaspoons in 1 gallon of water. Spray on 100 sq. ft. (10' x 10') of lawn area. Spray thoroughly. For best results application should be made in spring through early fall when temperature is above 70° F. and weeds are young and actively growing. Spraying on a bright sunny day usually gives better results. Heavily infested lawns may require repeat application (10-14 days) to kill missed weeds. Do not apply within drip-line of desirable trees and shrubs. Coarse sprays are less likely to drift. Vapors from this product may injure susceptible plants in immediate vicinity. This rate will also kill Chickweed, Plantains, Dallis grass, Johnson grass, Nutgrass and Clovers.

**NOTE:** Do not use on St. Augustine, Carpet, Centipede, Bent-grass or Dichondra grass lawns.

**3. HERE ARE THE RESULTS YOU MAY EXPECT!**

Outstanding dandelion and crabgrass control in your lawn areas will be obtained with use of this product.

**CAUTION:** Harmful if swallowed or absorbed by skin. Causes irritation of eyes and skin. Do not get in eyes. Do not allow contact with skin and clothing. In case of contact, flush eyes with plenty of water for at least 15 minutes and get medical attention. Wash exposed skin with plenty of soap and water. Keep children and domestic animals off treated areas until this material has been washed into the soil. Do not feed treated foliage to livestock or graze treated areas. Direct spray at undesirable plants. Do not use the same spray equipment for applying other material to plants, as injury will result. Do not store near fertilizer, seeds, insecticides or fungicides. Avoid contamination of irrigation ditches and water used for domestic purposes and water used by domestic animals, wildlife and aquatic life. If lawn begins to brown temporarily, water heavily.

**ANTIDOTE:** If taken internally, induce vomiting and call a physician at once.

Food utensils such as teaspoons or measuring cups should not be used for food purposes after use with pesticides.

Do not reuse container for any purpose. Destroy empty container.

Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.

**VOLUNTARY PURCHASING GROUPS, INC.  
BONHAM, TEXAS**

28M-1-75

EPA Reg. No. 7401-263-AA



**ferti·lome**



**Dandelion and  
Crabgrass Killer**



**CAUTION KEEP OUT OF REACH OF CHILDREN  
SEE BACK PANEL FOR ADDITIONAL CAUTIONS**

**ACCEPTED**

JUL 31 1975

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 7401-263