

## DIRECTIONS

### FOLIAGE STEM SPRAY

For general brush control on highways and rights-of-way spray both foliage and stems of all plants from the time foliage is fully developed until plants begin to go dormant. For effective control, all leaves, stems and suckers must be thoroughly wet to ground line.

Add 1-1.3 gallons of EMULSAMINE® BK WOODY PLANT HERBICIDE to 100 gallons (1.3 pint in 3 gallons) of water. Mix thoroughly before spraying.

### MODIFIED BASAL SPRAY

Treat when brush is in full foliage.

Drench the base of brush, then wet remaining stems and leaves to run off, spraying the lower 4-5 of the brush from bottom up. This method may be used where susceptible species have been controlled by prior sprays and resistant species such as maple, oak and ash remain.

**Early season spraying:** Mix 1-1.3 to 2 gallons of EMULSAMINE® BK WOODY PLANT HERBICIDE to 10 gallons of oil. Then add this mixture to 89 gallons of water with constant agitation.

**Dry weather or later season spraying:** Mix 1 gallon of EMULSAMINE® BK WOODY PLANT HERBICIDE to 10 gallons of oil. Then add this mixture to 3 gallons of water with constant agitation. Stir thoroughly. If the material allowed to stand for more than an hour after mixing.

### BASAL BARK SPRAY

This method can be used at any time of year.

Wet the base of all stems until spray puddles form, sides and collect around the root collar at ground line. Use low pressure with either knapsack or power equipment. The nozzle should produce a narrow spray pattern, approximating a solid stream. Keep the nozzle close to the stems and near the base.

Mix 4 to 5 gallons of EMULSAMINE® BK WOODY PLANT HERBICIDE to 10 gallons of pint in 3 gallons of oil. Use the higher rate when brush is not growing actively. Old or tough bark generally requires more spray than young or smooth bark.

### STUMP TREATMENT

This method can be used any time of year, but is most effective when applied as soon as possible after trees are cut.

Wet the base of all surface and exposed roots of all stumps until spray puddles and collect around the root collar at ground line. Spray is most effective and economical on stumps 3 to 4 inches and larger.

Mix 4 to 5 gallons of EMULSAMINE® BK WOODY PLANT HERBICIDE to 10 gallons of pint in 3 gallons of oil. Apply with a low pressure knapsack or power sprayer. Use a solid cone nozzle of medium orifice (1/2 or 3/4 inch) bark requires more spray than young or smooth bark.

### DORMANT CANE BROADCAST

Treat any time brush is dormant and leaves have dropped.

Concentrate spray at the base of stems, then spray the upper parts of stems enough to wet them. For root suckering species such as locust, sumac and sassafras, also spray all the ground within the drip line of these trees to control small root suckers that may be covered by the leaf litter.

Mix 2 gallons of EMULSAMINE® BK WOODY PLANT HERBICIDE to 100 gallons (1.3 pint in 3 gallons) of oil. Use about 150 gallons of this mixture per acre of dense brush 4 to 6 feet high.

### GENERAL INFORMATION

EMULSAMINE® BK WOODY PLANT HERBICIDE is a concentrate formulation of 2,4-D and 2,4,5-T as the water emulsifiable, oil soluble concentrate.

EMULSAMINE® BK WOODY PLANT HERBICIDE combines the effectiveness of brush of ester formulations with the safety from volatility of amine formulations. Especially useful in areas of high summer temperatures.

EMULSAMINE® BK WOODY PLANT HERBICIDE emulsifies in water, is oil soluble, and can be used in a water spray.

EMULSAMINE® BK WOODY PLANT HERBICIDE is not recommended for selective weeding of trees or crops.

Among the types of brush controlled are:

ASH	WALNUT
ASPEN	RED MAPLE
BLACK CHERRY	RED OAK
BLEEDING HEART	SALICED OAK
BRAMBLES	SUMAC
CLOVER	WEET GUM
ELM	WHITE PINE
HICKORY	YEW

### MIXING SPRAYS:

Add one half the required amount of water (oil) to the spray tank. Then add the concentrate with agitation. Finally, the balance of water (oil) with constant agitation. If this material is to be used in a spray, the rest of water (oil) must be added to the water (oil) when the material is just being mixed. Stir thoroughly before using. If the material is to be used in a broadcast, the material should stand for any length of time after being mixed. The stored material is stable.

WHEN MIXING IN SPRAYS: (1) Mix 1/2 of WATER (oil) in the spray tank. (2) Add the concentrate to the spray tank. (3) Add the balance of water (oil) with agitation. (4) When possible, mix the required amount of concentrate with an equal volume of oil before adding to the spray tank.

# EMULSAM BK WOODY PLANT

Contains the Oil Soluble A 2,4-D and 2,4,5-T. Control Plants on highways and rights-of-way.

**CAUTION:** Keep out of reach of children. on right side panel.

### ACTIVE INGREDIENTS:

- \*Dodecyl amine salts of 2,4-dichlorophenoxyacetic
- \*Tetradecyl amine salts of 2,4-dichlorophenoxyacetic
- \*\*Dodecyl amine salts of 2,4,5-trichlorophenoxyacetic
- \*\*Tetradecyl amine salts of 2,4,5-trichlorophenoxyacetic

### INERT INGREDIENTS:

- \*Total 2,4-dichlorophenoxyacetic acid equivalent 1 or 1.5 pounds per gallon.
- \*\*Total 2,4,5-trichlorophenoxyacetic acid equivalent 1 or 1.5 pounds per gallon.

MADE IN U.S.A.



**AMCHEM PRODUCTS**

First Name in Herbicide Research  
AMBLER PA ■ Clinton Iowa ■ St. Joseph Mo  
Subsidiary of Union Carbide Corp.

EPA Reg. No. 264-163-ZA

# MALSAMINE

## WOODY PLANT HERBICIDE

Oil Soluble Amine of 2,4,5-T. Controls Woody plants on highways and utility ways.

Keep out of reach of children. See other cautions.

Weight	
lbs of 2,4-dichlorophenoxyacetic acid	25.1%
salts of 2,4-dichlorophenoxyacetic acid	6.3%
lbs of 2,4,5-trichlorophenoxyacetic acid	23.6%
salts of 2,4,5-trichlorophenoxyacetic acid	5.9%
<b>Total 2,4,5-T</b>	<b>39.1%</b>

2,4,5-T equivalent 16.9% by weight per gallon.

2,4-D equivalent 16.9% by weight per gallon.

MADE IN U.S.A.

## MICHEM PRODUCTS, INC.

Leading Name in Herbicide Research

Blair PA ■ Clinton Iowa ■ St Joseph Mo ■ Fremont Calif  
A subsidiary of Union Carbide Corp.

Label Reg. No. 264-163-2A EPA Est. 264-PA-1

### PRECAUTIONARY STATEMENTS

Hazard to Humans and Domestic Animals

#### CAUTION

Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin, or on clothing. Avoid breathing vapors or spray mist. Remove and wash contaminated clothing before reuse. Wash thoroughly after treatment. Do not drink.

#### Statement of Practical Treatment

In case of contact with skin, wash with soap and water. If eyes touch with water for at least 15 minutes and get medical attention. Never give anything by mouth to an unconscious person. Get medical attention.

#### Environmental Hazards

This product is toxic to fish. Keep out of lakes, streams or ponds. Do not contaminate water by cleaning of equipment or disposal of wastes.

#### Directions for Use

Use in accordance with Federal Law to use this product in a manner consistent with its labeling.

Do not apply when wind velocity exceeds 5 mph. Do not apply when weather conditions favor drift from treated areas.

Do not use around the home, in parks, or recreational areas. Do not graze dairy animals in treated areas within 2 weeks after application.

Do not graze meat animals in treated areas within 2 weeks of slaughter.

Do not use the same spray equipment for other purposes unless thoroughly cleaned. Do not contaminate water used for domestic or irrigation purposes. Do not use or store near a greenhouse.

Do not apply MALSAMINE® BK Woody Plant Herbicide directly to, or permit to drift on, crops or ornamental plants, fruit trees, vegetables, flowers, or shade trees, or to ornamental plants which are susceptible to 2,4-D or 2,4,5-T herbicides. Do not apply near susceptible plants in very small quantities. If you do, 2,4-D will cause severe injury during the growing period and 2,4,5-T will cause permanent injury. Do not apply to susceptible plants labeled by MALSAMINE® BK Woody Plant Herbicide spray or spray drift. Do not apply to susceptible plants with water, oil, lime, or other substances.

Do not apply when a temperature inversion exists. Do not apply in the U.S. at a temperature below 40°F. Do not apply when a temperature inversion exists with a temperature below 40°F.

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#### Storage and Disposal Statements

Do not contaminate or store near food, feedstuff, fertilizers, seeds, insecticides, fungicides or other pesticides. Do not burn. Open dumping is prohibited.

#### Container Disposal

Triple rinse and offer for recycling, reconditioning, or disposal in an approved landfill area or puncture and bury in a safe place in non-croplands away from water supplies.

Local conditions may affect the use of herbicides. Consult your State Agriculture Experiment Station, Farm Advisors or Extension Weed Specialists for advice in selecting treatment from this label to best fit local conditions.

Be sure that use of this product conforms to all applicable laws, rules and regulations. Certain states have restrictions pertaining to application distances from susceptible crops. The applicator should become familiar with these laws, rules or regulations, and follow them exactly. Apply this product only as specified on this label.

#### WARRANTY

Michem warrants that composition of this product conforms to the label as described in the product statement and the directions listed for the purposes described when used according to directions. Because of the wide range of conditions which may occur, Michem does not warrant that this product is impossible to use in all cases. Michem does not warrant that directions are followed. Michem does not warrant that directions are followed. Michem does not warrant that directions are followed.

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