

DIRECTIONS

WEEDS IN NON-CROPPED AREAS

	AMOUNTS TO USE	WHEN TO SPRAY
Lawns, Parks, Golf Courses, Cemeteries and Similar Turf Areas	2 to 4 pints per acre	Apply in spring or fall, when annual weeds such as knotweed are up but still small and in the seedling stage. To control dandelion, plantain and most other common weeds in turf, apply in spring or fall when these weeds are growing actively. Treat wild garlic or onion in three successive times (Example: spring, fall, spring). Do not apply to newly seeded areas until sod is formed and grass has been cut several times. Do not use EMULSAMINE E-3 for susceptible Southern grasses such as St. Augustine. Bent grasses, dichondra or clover may be injured by this treatment. Do not graze dairy animals on treated areas within 7 days after treatment.
Fencerows, Road-sides, Ditchbanks, and Vacant Lots	3 to 5 pints per acre	Apply when annual weeds are young and growing vigorously. For perennials, spray when actively growing and near the bud stage but before flowering. A second application is usually needed for best results on thistle, nettle, and other hard to control weeds.
Woody Plants* (vacant lots, fence rows, similar areas)	1 1/2 to 2 gallons per 100 gallons water	To control brush susceptible to 2,4-D such as willow, alder, buckbrush, sumac and elderberry; treat in spring or early summer. Wet thoroughly all parts of the brush, including foliage and stems, until spray starts to run off. For knapsack sprayers, use 2 fluid ounces of EMULSAMINE E-3 per gallon of water. Addition of 1-5 gallons of fuel oil may increase weed control.

*Use enough water for uniform coverage; 20-30 gallons per acre in low volume sprayers, 100-250 gallons per acre in high volume sprayers. Use the lower rate where annual weeds are the problem, the higher rate for perennials. Addition of 1-5 gallons of fuel oil may increase weed control.

WEEDS IN CROPPED AREAS

Use low pressure sprayers (25 to 40 psi). Apply in minimum of 7 1/2 to 10 gallons water per acre. Use lower rate of EMULSAMINE E-3 where annual weeds are the problem, the higher rate for perennial weeds.

Wheat,* Barley and Rye	1 to 2 pints per acre	Apply after grains are fully tillered (4 to 6 inches tall) but before they are in the boot stage. Apply when annual weeds are small and perennial weeds are in the bud stage if possible, but do not spray after grains are in the boot to dough stage. Do not use on grains undersown with legumes such as alfalfa or clovers, except where some legume injury can be tolerated. Do not forage or graze treated grain fields within 2 weeks after treatment nor feed treated straw to livestock.
Grain Sorghum	1 to 1 1/2 pints per acre	Treat when sorghum is 6 to 10 inches tall, using drop nozzles, when secondary roots are well established. Do not apply from tassel to dough stage.
Field Corn — post-emergence	2/3 pint per acre	Apply when weeds are small and corn is less than 10" tall. Avoid spraying just after corn leaves unfold as injury may occur. Use drop pipes to spray corn more than 10" tall. Do not apply during or after the tassel to dough stage.
Hayfields, Pastures and Rangelands	1/2 to 4 quarts per acre	Treat when weeds are growing actively. Do not apply when grass is in the boot to milk stage. Do not apply to recently seeded pastures until grass is well established. Most legumes will be injured or killed at rates recommended. Treat wild onion or garlic in early spring and fall and repeat for at least two seasons. Do not graze dairy animals for 7 days after spraying pastures with this product.

For aerial application on grain apply EMULSAMINE E-3 in 3-10 gallons of water per acre.

MIXING SPRAYS

Fill the spray tank with half the required amount of water. Add the recommended amount of EMULSAMINE E-3 while agitating. Then continue filling the spray tank with water.

Use the following table to convert 2,4-D recommendations into terms of EMULSAMINE E-3.

2,4-D Acid Equivalent	2 lb.	1 lb.	1/2 lb.	1/4 lb.	3/8 lb.	1/4 lb.
EMULSAMINE E-3	5-1/3 pt.	2-2/3 pt.	2 pt.	1-1/3 pt.	1 pt.	2/3 pt.

EMULSAMINE E-3 BROADLEAF POSTEMERGENCE HERBICIDE

The oil soluble amine form of 2,4-D

CAUTION: Keep out of reach of children.

See other cautions on right side panel.

ACTIVE INGREDIENTS:

Dodecyl amine salts of 2,4-dichlorophenoxyacetic acid* 50.7%
Tetradecyl amine salts of 2,4-dichlorophenoxyacetic acid* 12.7%

INERT INGREDIENTS: 36.6%

* Total 2,4-dichlorophenoxyacetic acid equivalent 34.2% by weight or 3 pounds per gallon.



AMCHEM PRODUCTS, INC.

First Name in Herbicide Research

AMBLER, PA. ■ Clinton, Iowa ■ St. Joseph, Mo ■ Fremont, Calif

EPA Est. 264-Pa.-1

EPA Reg. No. 264-179 AA

GENERAL INFORMATION

EMULSAMINE E-3 is a concentration of 2,4-D as the new amine.

EMULSAMINE E-3 combines the best of low volatile ester form with maximum safety from volatility. Especially useful in areas of summer temperatures.

CONTROL THESE WEEDS

Annual and Biennial Weeds

bull thistle	mustard
burdock	peppercorn
cocklebur	pigweed
coffeeweed	lettuce (wild)
French weed	radish (wild)
galinsoga	ragweed
jimsonweed	Russian 1
kochia	sowthistle
lambquarters	(corn)
morningglory	velvet leaf

Perennial Weeds

alkali mallow	nettles
aster	orange hawkweed
bindweed	plantains
blue lettuce	poverty weed
blueweed	ragweed
bur ragweed	sowthistle
Canada thistle	stinging nettle
chicory	toad flax
dandelion	wild garlic
docks	wild onion
goldenrod	

EMULSAMINE

BROADLEAF POSTEMERGENCE HERBICIDE

oil soluble amine
of 2,4-D

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amine salts of 2,4-dichlorophenoxyacetic acid* 50.7%
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INGREDIENTS: 36.6%
2,4-dichlorophenoxyacetic acid equivalent 34.2% by weight
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GENERAL INFORMATION

EMULSAMINE E-3 is a concentrated formulation of 2,4-D as the new oil soluble amine.

EMULSAMINE E-3 combines the effectiveness of low volatile ester forms of 2,4-D with maximum safety from volatility damage. Especially useful in areas of high summer temperatures.

CONTROL THESE WEEDS

Annual and Biennial Weeds

bull thistle	mustard (wild)
burdock	peppergrass
cocklebur	pigweed
coffeeweed	lettuce (wild)
French weed	radish (wild)
galinsoga	ragweed (common)
jimsonweed	Russian thistle
kochia	sowthistle
lambsquarters	(common)
morningglory	velvet leaf

Perennial Weeds

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bindweed	plantains
blue lettuce	poverty weed
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chicory	toad flax
dandelion	wild garlic
docks	wild onion
goldenrod	

CAUTION

Harmful if swallowed or absorbed by skin. Do not allow contact with skin or clothing. If contacted, wash exposed skin with plenty of soap and water.

Causes irritation of eyes and skin. Do not get in eyes. In case of contact, flush eyes with plenty of water for at least 15 minutes and get medical attention.

This product is toxic to fish. Keep out of lakes, streams or ponds. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from treated areas. Do not contaminate any body of water by washing of spray equipment or disposal of waste.

Avoid spray drift to susceptible plants such as cotton, beans, tomatoes, and ornamentals as this product may cause injury. Coarse sprays are less likely to drift. Do not use the same spray equipment for other purposes. Do not store near fertilizers, seeds, insecticides or fungicides. Do not contaminate water used for irrigation or domestic purposes. Do not use in a greenhouse.

Do not reuse container. Destroy when empty.

Do not use this product for purposes other than those recommended on this label.

WARRANTY

Amchem warrants that composition of this product conforms to the chemical description given in the ingredient statement and the product is suited for the purposes described when used according to directions. Because of the broad range of conditions which may be encountered with the use of this product, it is impossible to eliminate all risks, even though label directions are followed. Amchem, therefore, makes no other express or implied warranty, and no agent of Amchem is authorized to do so. Buyer agrees, in purchasing this product, to assume the risks and in the event of damages arising from a breach of the warranty to accept refund of the purchase price of the product as full discharge of Amchem's liability.

Form No. 1875 1-2-74 2M TC Printed in U.S.A.

PROPOSED ADDITION

WATER HYACINTH CONTROL IN ST

EMULSAMINE E-3 has proven his cinths, whether applied with air stands of hyacinths, weed foliar MINE E-3, producing a rapid brov spraying.

Use in waters covered with de intercept the spray material. v product is toxic to fish. It sh ments of submersed weeds in ponc

Treatment of aquatic weeds ca tion of dead vegetation, fish ir spray only 1/3 to 1/2 the area i move to untreated areas.

AERIAL APPLICATION:

Use 1-1/3 gallons EMULSAMINE one surface acre. The use of th control.

BOAT APPLICATION:

Use 1-1/3 gallons EMULSAMINE Uniform coverage is essential.

APPLICATION WITH LO-DRIFT[®]

For fixed wing aerial spravin 1 1/2 to 3 oz. LO-DRIFT in the 5

For DIRECTA SPRA[®] spraving, u DRIFT in 50-100 gallons of water gallons of solution. Follow mix

GENERAL INFORMATION

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PROPOSED ADDITION TO EMULSAMINE E-3 LABEL

WATER HYACINTH CONTROL IN STILL WATER (LAKES, PONDS, AND MARSHES)

EMULSAMINE E-3 has proven highly effective for controlling water hyacinths, whether applied with air or boat equipment. In areas of dense stands of hyacinths, weed foliage intercepts and quickly absorbs EMULSAMINE E-3, producing a rapid browning which acts as a marker for later spraying.

Use in waters covered with dense stands of water hyacinths, which can intercept the spray material. When applied directly to open water, this product is toxic to fish. It should not be used for total water treatments of submersed weeds in ponds, lakes or streams.

Treatment of aquatic weeds can result in oxygen loss from decomposition of dead vegetation, fish injury or death may result. To reduce risk, spray only 1/3 to 1/2 the area in a single application allowing fish to move to untreated areas.

AERIAL APPLICATION:

Use 1-1/3 gallons EMULSAMINE E-3 in 5 to 15 gallons of water to cover one surface acre. The use of the MICROFOIL[®] boom will provide added drift control.

BOAT APPLICATION:

Use 1-1/3 gallons EMULSAMINE E-3 in 50 to 100 gallons water per acre. Uniform coverage is essential. Avoid submerging plants after treatment.

APPLICATION WITH LO-DRIFT[®]

For fixed wing aerial spraying, use 1-1/3 gallons EMULSAMINE E-3 plus 1 1/2 to 3 oz. LO-DRIFT in the 5 gallons of water per acre.

For DIRECTA SPRA[®] spraying, use 1-1/3 gallons EMULSAMINE E-3 with LO-DRIFT in 50-100 gallons of water. Use 1 pt. to 1 qt. LO-DRIFT per 100 gallons of solution. Follow mixing directions on LO-DRIFT label.

