

ACCEPTED
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The Federal Insecticide,
Fungicide, and Rodenticide Act.
is authorized for the pesticide
registered under
EPA Reg. No. 45639-54

SUPPLEMENTAL LABELING

ANTOR 4ES

EMULSIFIABLE SOLUTION
(CONTAINS 4 POUNDS ANTOR PER GALLON)

EPA Reg. No. 45639-54

This labeling must be in possession of the user at the time of pesticide application. All applicable directions, restrictions, and precautions on the EPA registered label are to be followed.

WEED CONTROL IN RED BEETS AND SPINACH
(ONLY FOR BEETS INTENDED FOR PROCESSING)
DIRECTIONS FOR USE (EXCEPT WASHINGTON STATE)

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Read entire Directions for Use and Disclaimer of Warranties before using this product.

GENERAL INFORMATION

ANTOR 4ES is a selective soil-applied herbicide for use in red beets and spinach. It can be applied either preplant incorporated or preemergence. The seedbed should be firm, fine and free of clods and trash. When applied preemergence, ANTOR 4ES requires rainfall or irrigation prior to weed germination for optimum weed control. Similarly, when applied preplant incorporated, moisture in the form of rainfall, irrigation or existing soil moisture must be available to activate the product.

When dry weather conditions prevail or furrow irrigation is used, preplant incorporation of ANTOR 4ES is recommended for best results.

WEED SPECIES CONTROLLED:

Annual Grass Weeds

| | |
|----------------------------|-------------------------|
| Barnyardgrass (watergrass) | Echinochloa crus-galli |
| Yellow foxtail | Setaria glauca |
| Green foxtail | Setaria viridis |
| Giant foxtail | Setaria faberi |
| Foxtail millet | Setaria italica |
| Wild oats | Avena fatua |
| Canarygrass | Phalaris canariensis |
| Johnsongrass (seedling) | Sorghum halepense |
| Large crabgrass | Digitaria sanguinalis |
| Italian ryegrass (annual) | Lolium multiflorum |
| Broadleaf signalgrass | Brachiaria platyphylla |
| Witchgrass | Panicum capillare |
| Junglerice | Echinochloa colonum |
| Fall panicum | Panicum dichotomiflorum |

Annual Broadleaf Weeds

| | |
|-----------------------|---------------------------|
| Redroot pigweed | Amaranthus retroflexus |
| Prostrate pigweed | Amaranthus biitoides |
| Spiny pigweed | Amaranthus spinosus |
| Annual sowthistle | Sonchus oleraceus |
| Sibara | Sibara virginica |
| Henbit | Lamium amplexicaule |
| Smallflower galinsoga | Galinsoga parviflora |
| Hairy galinsoga | Galinsoga ciliata |
| Groundcherry | Physalis longifolia |
| Shepherdspurse | Capsella bursa-pastoris |
| Pineappleweed | Matricaria matricarioides |

✓ SPRAY EQUIPMENT

Apply ANTOR 4ES alone or in tank mixes using standard low pressure (20-50 psi) spray equipment. The equipment should be carefully calibrated before use and checked frequently during application to ensure that it is functioning properly. Uniformly apply the recommended rates. Use a spray volume of 20 to 40 gallons per acre broadcast basis. Use proportional amounts for band spraying. See section on Band Applications on the container label for calculations.

✓ MIXING THE SPRAY

For ANTOR 4ES alone, add 1/4 to 1/2 the total amount of water to the tank. Then add the required amount of ANTOR and the remaining quantity of water with the bypass agitator running. When tank-mixing ANTOR 4ES with flowable formulations, mix the proper amount of flowable formulation into half the required amount of water in the spray tank

with the agitator running. Add the required amount of ANTOR 4ES and then add the remaining required amount of water. Before tank-mixing with other herbicides, refer to the specific product labels for additional mixing directions.

ROTATIONAL CROPS ✓

Crops, except wheat, may be rotated at 3 months post application. Wheat may be planted 9 months after application.

METHOD OF APPLICATION ✓

Preplant Incorporated

In arid regions where furrow irrigation is practiced or where the rainfall pattern is erratic, soil incorporation of ANTOR 4ES is required to provide optimum weed control.

Incorporation immediately after treatment is not required but must be done prior to weed germination. Use a hooded-power or ground-driven rotary tiller, rolling cultivator, or similar equipment properly adjusted to uniformly incorporate ANTOR 4ES to a depth of 1 to 2 inches. Deeper incorporation may reduce effectiveness.

Preemergence ✓

Preemergence application of ANTOR 4ES is recommended where sprinkler irrigation is used for crop germination and where rainfall can be depended on to activate the product.

Apply ANTOR 4ES to the soil surface at time of planting or shortly after, but prior to weed germination. One-half inch of rainfall or irrigation is usually adequate for activation. It is important that the top 2 inches of soil be thoroughly wetted.

RED BEET ✓

Do not use ANTOR or ANTOR tank mixes on red beets within 75 days of harvest.

Apply ANTOR 4ES preplant incorporated or preemergence using rates recommended in Dosage Table 1.

DOSAGE TABLE 1
ANTOR 4ES Alone

| Soil Texture | Broadcast Rate of ANTOR 4ES (1) Per Acre |
|---|--|
| Coarse: Loamy sands and sandy loams | 2-3 qts. |
| Medium/Fine: Loams, silt loams, clay loams and clays containing less than 5% organic matter | 3-4 qts. |
| Fine: Clay loams and clays containing more than 5% organic matter | 4-6 qts. |

(1) Within each soil texture category use the higher rate on the finer textured soils and/or where shepherdspurse or groundcherry is expected to be a problem.

ANTOR 4ES + PYRAMIN (1) TANK-MIX

A tank mix of ANTOR 4ES with Pyramin FL may be used in red beets to control a broader spectrum of weeds. In addition to the weeds controlled by ANTOR 4ES alone, this mixture controls:

| | | | |
|---------------------------|-----------------------------|-------------------------|-------------------------|
| Common ragweed | Ambrosia artemisiifolia | Common lambsquarters | Chenopodium album |
| Wild mustard | Brassica kaber | Common purslane | Portulaca lanceolata |
| Pennsylvania smartweed | Polygonum pennsylvanicum | Nettleleaf goosefoot | Chenopodium murale |
| Fanweed (stinkweed) | Thlaspi arvense | | |

Apply this tank mix preemergence using rates recommended in Dosage Table 2. Do not use this mixture under conditions where Pyramin FL alone is not recommended. Before use, read the Pyramin FL label for additional information and precautions.

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DOSAGE TABLE 2
ANTOR 4ES + Pyramin Tank-Mix

| Soil Texture | Broadcast Rate Per Acre | |
|---|-------------------------|-------------------|
| | ANTOR 4ES (qts.) | Pyramin FL (qts.) |
| Coarse: | | |
| Sandy loams only | 2 | 3 |
| Medium: | | |
| Loams, silt loams and clay loams containing less than 3% organic matter | 2 to 3 ⁽¹⁾ | 3 |
| Fine: | | |
| Clay loams and clays containing more than 3% organic matter | 3 | 3 |

(1) Use higher rate on clay loam soils.

SPINACH

Apply ANTOR 4ES preplant incorporated or preemergence using rates recommended in Dosage Table 3.

DOSAGE TABLE 3

| Soil Texture | Broadcast Rate of Per Acre | |
|--|----------------------------|-----|
| | (1) | (2) |
| Coarse: | | |
| Loamy sands and sandy loams | 2-3 qts. | |
| Medium/Fine: | | |
| Loams, silt loams, clay loams and clays containing less than 5% organic matter | 3-4 qts. | |

- (1) Within each soil texture category, use the higher rate on the finer-textured soils and/or where shepherdspurse or groundcherry is expected to be a problem.
- (2) The use of ANTOR on clay loams or clays containing more than 5% organic matter has not been fully investigated. Do not use ANTOR on these soils.

DISCLAIMER OF WARRANTY

THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL.

No agent of NOR-AM Chemical Company is authorized to make any warranties beyond those contained herein or modify the warranties contained herein.

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