

PRODUCT DATA SHEET

NET CONTENTS: 12 OUNCES

5575



Enide® 50w

DIPHENAMID

Selective Preemergence Herbicide

For: Tobacco seedbeds and transplants, Tomato, Strawberry, Ornamentals, Okra, Pepper, Irish Potato, Sweetpotato plantbeds and transplants

Active Ingredient: Diphenamid
(N,N-Dimethyl-2,2-diphenylacetamide) 50%
Inert Ingredients: 50%
..... 100%

Registered Trademark, TUCO, Division of The Upjohn Co.

WARNING: Keep out of reach of children.

Warning: Harmful if swallowed. Induce vomiting and call physician immediately. Avoid prolonged or repeated contact with skin. If spilled on hands or other skin areas, wash immediately with soap and water. In case of eye contact, wash with water for fifteen minutes and call a physician. Avoid breathing of dust. Avoid contamination of feed or foodstuffs. Do not reuse container. Destroy by burying with waste or by burning. Stay away from smoke and fumes.

Do not contaminate water by cleaning of equipment or disposal of wastes.

Apply this product only as specified on this label.

General Use Precautions: Use ENIDE 50W only on recommended crops at recommended rates. ENIDE 50W controls only weeds. Disease and insect control procedures should be used when necessary. However, do not use ENIDE 50W in direct combination with fertilizers, insecticides, and fungicides. Edible crops other than those registered should not be planted in ENIDE 50W treated soil for 6 months after date of last application. Small grain cover crops sown within 6 months after date of ENIDE 50W treatment may be injured. Do not use cover crops for food or feed within 6 months after application.

IMPORTANT—READ BEFORE USE

Disclaimer of Warranty: Tobacco States Chemical Co., Inc. warrants that this material conforms to the chemical description on this label and is reasonably fit for use under the direction on this label. TOBACCO STATES CHEMICAL CO., INC. MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS, OR OTHERWISE.

Limitation of Liability: Tobacco States Chemical Co., Inc. and Seller limit their liability for breach of warranty or any other cause to the replacement cost of the product used. Package contains full net weight. Head space is necessary to allow accurate filling and avoid spilling.

See back panel for additional cautions.

DIRECTIONS FOR USE:

General Information: Read all label directions, precautions, and conditions of sale before using ENIDE 50W. ENIDE 50W is a 50% wettable powder formulation of diphenamid for selective preemergence weed control. ENIDE 50W does not control all weeds, but controls many annual grass and broadleaf weeds as they germinate.

Soil Preparation: Prepare soil for seeding, planting or transplanting according to good agricultural practices. All weed growth and crop debris should be worked into soil before treatment. Soil should be moist and loose with all clods broken down.

How to Apply: See Recommendations for rate of application. Use knapsack, back-pack or other low-pressure sprayers with nozzles that deliver a coarse spray. Sprayers vary in amount of water required to cover a given area, usually 4 to 6 gallons per 1,000 feet are adequate. Test sprayer by determining amount of water required to spray an area of known size twice. Determine size of area to be treated. Add recommended amount of ENIDE 50W in enough water to spray this area twice. Stir well. Moving over the area at a steady rate in one direction, evenly apply one-half of the spray mixture. Apply the other half to the same area spraying across or at right angles to the first application. Shake sprayer occasionally while spraying. Do not use more than recommended rate of ENIDE 50W or crops may be injured.

To be effective, ENIDE 50W must be moved into the top few inches of soil. This may be done by rainfall, sprinkler irrigation or raking in. If it does not rain within 24 hours after application sprinkle the treated area with 1/2 inch of water (about 300 gal. per 1000 sq. ft.).

Cultivation: Weeds which emerge after treatment should be destroyed by shallow cultivation (1/2 to 2 inches) or removed by hand weeding. Deeper cultivation that brings untreated soil to the surface may result in poor weed control.

RECOMMENDATIONS:

For control of the following annual grass and broadleaf weeds in the crops listed below.

Weeds Controlled: GRASS WEEDS: Annual bluegrass, Annual sedge, Barnyardgrass (Watergrass), Cheat, Crabgrass, Fall panicum (Panic grass), Foxtail, Goosegrass (Crowfoot grass), Johnsongrass (from seed), Ryegrass, Sandbur (Sandspur), Stinkgrass, Wild oat, Witchgrass (Ticklegrass). BROADLEAF WEEDS: Carpetweed, Common chickweed, Corn smut, Eveningprimrose, Field pepperweed, Florida pusley, Groundsel, Knotgrass (German moss), Knotweed, Lambsquarters, Mouseear chickweed, Pigweed (Careless weed), Purslane, Red sorrel, Shepherds-purse, Smartweed, Spiny amaranth (Stickerweed), Thymeleaf Sandwort.

Crop	When to Apply	Oz. ENIDE 50W per 1,000 sq. ft.		Remarks
		Light Soil	Heavy Soil	
Tobacco Seedbed	At seeding	3	4 1/2	Do not mix ENIDE 50W with other chemicals before application.
Field Before transplanting:	From 0 to 7 days before transplanting. OR	3	4 1/2	Apply ENIDE 50W evenly to the soil surface and thoroughly incorporate into the top 2 inches of soil. Plant crop in usual manner.
	After transplanting:	From transplanting to 7 days after transplanting	3	4 1/2
Okra	At planting	2 1/2	3%	
Pepper	At direct seeding, transplanting, or 2 1/2 to 4 in 1 month after transplanting.	2 1/2	3%	May be applied over top of transplants.
Potato	At planting to emergence, or at lay-by	3	4 1/2	Shallow cultivation (1/2 to 2 inches) after application will not destroy effectiveness of ENIDE 50W. However, any tillage operation such as dragging-off, hilling, etc., that brings untreated soil to the surface may result in poor weed control. At lay-by apply as a directed spray to base of plants. Do not apply within 50 days before harvest.
Tomato	From 1 week before to 1 month after direct seeding or transplanting.	3	4 1/2	Incorporate ENIDE 50W into soil when applied before seeding or transplanting. May be applied over top of plants.
Strawberry Newly planted	2-6 weeks after planting but not before new foliage has appeared.	3	4 1/2	A temporary delay in the rooting of daughter plants may occur but will not affect yield. Do not use on the herbicide sensitive variety Shasta. Do not apply within 60 days before harvest.
Established	While strawberries are dormant or semidormant or after renovation. Additional applications may be made at intervals of 6 months or more.	3	4 1/2	
Sweetpotato Plantbeds	At bedding	3	4 1/2	Apply to soil after covering potatoes.
Transplants	At transplanting	3	4 1/2	May be applied over top of transplants.
*Evergreens, Shrubs and Trees	In fall or spring before weeds emerge.	4 1/2	6	ENIDE 50W may be used on new plantings and container stock after plants are established.
*Annual and Perennial Flowers	At transplanting, in fall or spring before weeds emerge.	4 1/2	6	Do not apply ENIDE 50W until plants are well established.

Equivalents: 2 1/4 ounces of ENIDE 50W = 1/4 standard cupful; 3 ounces ENIDE 50W = 1 standard level cupful; 3 1/2 ounces ENIDE 50W = 1 1/4 standard cupfuls; 4 1/2 ounces ENIDE 50W = 1 1/2 standard cupfuls; 16 table-spoons ENIDE 50W = 1 standard level cupful.

***Tolerant Ornamental Plants:** **Apple, aborvitae, ash, azalea, barberry, beauty-bush, beech, birch, **Blackberry, **Blueberry, carnation, **cherry, cotoneaster, **crab apple, **currant, dogwood, elaeagnus, English ivy, euonymus, firethorn, forsythia, hemlock, holly, honeysuckle, hydrangea, juniper, laurel, lilac, mock orange, myrtle, oak, oleander (marginal leaf chlorosis may develop), ornamental strawberry, **peach, **pear, **pecan, **palm, privet, **raspberry, red bud, rhododendron, rose, spiraea, sweet gum, taxus (yew), viburnum, weigela.

**Non-bearing

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EPA Est. 226-KY-1

TOBACCO STATES CHEMICAL CO., INC.
LEXINGTON, KENTUCKY

DEFICIENCY DATA SHEET

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How to Apply: See Recommendations for rate of application. Use knapsack, back-pack or other low-pressure sprayers with nozzles that deliver a coarse spray. Sprayers vary in amount of water required to cover a given area usually 4 to 6 gallons per 1,000 feet are adequate. Test sprayer by determining amount of water required to spray an area of known size twice. Determine size of area to be treated. Add recommended amount of ENIDE 50W in enough water to spray this area twice. Stir well. Moving over the area at a steady rate in one direction, evenly apply one-half of the spray mixture. Apply the other half to the same area spraying across or at right angles to the first application. Shake sprayer occasionally while spraying. Do not use more than recommended rate of ENIDE 50W or crops may be injured.

To be effective, ENIDE 50W must be moved into the top few inches of soil. This may be done by rainfall, sprinkler irrigation or raking in. If it does not rain within 24 hours after application sprinkle the treated area with 1/2 inch of water (about 300 gal. per 1000 sq. ft.).

Cultivation: Weeds which emerge after treatment should be destroyed by shallow cultivation (1/2 to 2 inches) or removed by hand weeding. Deeper cultivation that brings untreated soil to the surface may result in poor weed control.

RECOMMENDATIONS:

For control of the following annual grass and broadleaf weeds in the crops listed below.

Weeds Controlled: GRASS WEEDS: Annual bluegrass, Annual sedge, Barnyardgrass (Watergrass), Cheat, Crabgrass, Fall panicum (panic grass), Foxtail, Goosegrass (Crowfoot grass), Johnsongrass (from seed), Ryegrass, Sandbur (Sandspur), Stinkgrass, Wild oat, Witchgrass (Ticklegrass). BROADLEAF WEEDS: Carpetweed, Common chickweed, Corn smut, Eveningprimrose, Field pepperweed, Florida pusley, Groundsel, Knotgrass (German moss), Knotweed, Lambsquarters, Mouseear chickweed, Pigweed (Careless weed), Purslane, Red sorrel, Shepherdspurse, Smartweed, Spiny amaranth (Stickerweed), Thymeleaf Sandwort.

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		Light Soil	Heavy Soil	
Tobacco Seedbed	At seeding	3	4 1/2	Do not mix ENIDE 50W with other chemicals before application.
Field Before transplanting	From 0 to 7 days before transplanting OR	3	4 1/2	Apply ENIDE 50W evenly to the soil surface and thoroughly incorporate into the top 2 inches of soil. Plant crop in usual manner.
After transplanting	From transplanting to 7 days after transplanting	3	4 1/2	May be applied over top of transplants. When ENIDE 50W is applied more than 2 days after transplanting, tillage is required immediately before or at time of application to destroy germinating weed seeds.
Okra	At planting	2 1/4	3 1/4	
Pepper	At direct seeding, transplanting or within 1 month after transplanting	2 1/4	3 1/4	May be applied over top of transplants.
Potato	From planting to emergence or at lay-by	3	4 1/2	Shallow cultivation (1/2 to 2 inches) after application will not destroy effectiveness of ENIDE 50W. However, any tillage operation such as dragging-off, hilling, etc., that brings untreated soil to the surface may result in poor weed control. At lay-by apply as a directed spray to base of plants. Do not apply within 50 days before harvest.
Tomato	From 1 week before to 1 month after direct seeding or transplanting	3	4 1/2	Incorporate ENIDE 50W into soil when applied before seeding or transplanting. May be applied over top of plants.
Strawberry Newly planted	2-6 weeks after planting but not before new foliage has appeared.	3	4 1/2	A temporary delay in the rooting of daughter plants may occur but will not affect yield. Do not use on the herbicide sensitive variety Shasta. Do not apply within 60 days before harvest.
Established	While strawberries are dormant or semidormant or after renovation. Additional applications may be made at intervals of 6 months or more.	3	4 1/2	
Sweetpotato Plantbeds	At bedding	3	4 1/2	Apply to soil after covering potatoes.
Transplants	At transplanting	3	4 1/2	May be applied over top of transplants.
*Evergreens Shrubs and Trees	In fall or spring before weeds emerge	4 1/2	6	ENIDE 50W may be used on new plantings and container stock after plants are established.
*Annual and Perennial Flowers	At transplanting in fall or spring before weeds emerge.	4 1/2	6	Do not apply ENIDE 50W until plants are well established.

Equivalents: 2 1/4 ounces of ENIDE 50W = 1/4 standard cupful; 3 ounces ENIDE 50W = 1/3 standard level cupful; 3 1/2 ounces ENIDE 50W = 1/2 standard cupful; 4 1/2 ounces ENIDE 50W = 2/3 standard cupful; 16 table-spoons ENIDE 50W = 1 standard level cupful.

*Tolerant Ornamental Plants: **Apple, aborvitae, ash, azalea, barberry, beauty-bush, beech, birch, **Blackberry, **Blueberry, camellia, **cherry, cotoneaster, **crab apple, **currant, dogwood, elaeagnus, English ivy, euonymus, firethorn, forsythia, hemlock, holly, honeysuckle, hydrangea, juniper, laurel, lilac, mock orange, myrtle, oak, oleander (marginal leaf chlorosis may develop), ornamental strawberry, **peach, **pear, **pecan, **plum, privet, **raspberry, red bud, rhododendron, rose, spiraea, sweet gum, taxus (yew), viburnum, weigela, **Non bearing.

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