



SPECIMEN LABEL  
 REDUCED TO 90%  
 (BACK)

**DOSAGES and DIRECTIONS for USE on TURF**

Pest	Dosage DURESAN 4E per 1000 sq. ft.	Remarks
Ants Armyworm Beetle larvae Chironomid fly Clematis bug Crickets Cynipids Fire ants Grasshoppers Sod webworm	3/4 fl. oz.	Spray when pests first appear; retreat when needed. For sod webworms delay watering or mowing the treated area for 12 to 24 hours after treatment.
Turfgrass (Phytophagous)	1 1/2 fl. oz.	Spray untreated problem areas in mid-April and again in mid-May or as recommended by your local Agricultural Extension Service (specialist for your area).
White grubs (European chafer and Japanese beetle larvae only)	1 1/2 to 3 fl. oz.	For white grub spray when grubs are young and actively feeding near the soil surface, usually during late July and August or as recommended by your local Agricultural Extension Service (specialist for your area). Spray the treated area with 1/2 to 1 inch of water to wash the insecticide into the underlying soil.

1 1/2 fl. oz. per 1000 sq. ft. = 3/4 fl. oz. per 500 sq. ft. = 1/2 fl. oz. per 10,000 sq. ft. = 1 quart per acre

Note: To help prevent infestation of buildings by ants, crickets, earwigs, millipedes, and sowbugs (pillbugs), wash a band of soil 6 to 10 feet wide around and adjacent to the building, also the surrounding area, with DURESAN 4E. The pests are active and may find entrance. Use 2 1/2 fl. oz. per 1000 sq. ft. of DURESAN 4E. Use 10 gallons of water and apply at a steady spray to thoroughly and uniformly wet the band area.

**Pests of Ornamentals:** Use DURESAN 4E to treat flowers, shrubs, vines, shade and flowering trees, and evergreens found to be infested with the pests listed in the following table. Dilute DURESAN 4E with water according to directions given in the table and apply using wickable hand or power spray equipment in a manner to provide complete and uniform coverage. For best results apply a wetting spray to both upper and lower leaf surfaces and infested limb and trunk areas. Repeat applications at 7 to 10-day intervals if needed. Note: Do not use on stinkwood, conifers, poinsettias, rose bushes, or variegated ivy because of possible injury to these plants.

**Note:** Mosquitoes coming to rest on ornamentals for control of turf and ornamental plant pests will be killed for varying periods of time after treatment, depending on exposure of treated areas to weathering conditions.

**Attention (Lawn and Ornamental Plant Pests):** Keep children and pets off treated areas until spray has dried. Keep out of lawn and garden (paths and other bodies of water).

**Area Control of Fleas and Chiggers:** Use DURESAN 4E to control fleas and chiggers infesting non-recreational areas where these pests are present and create a nuisance or for a public health problem. Apply DURESAN 4E in water at the rate of 1/2 pint per acre (equivalent to 2 1/2 fl. oz. per 1000 sq. ft.) to the areas to be treated. Use 10 gallons of water per acre and apply at a steady spray until debris is wet enough spray volume to obtain thorough coverage. Do not allow a thick surface and application or until spray has dried.

**MOSQUITOES:** Apply DURESAN 4E to mosquito infested, overcast areas according to the directions given in the table. Use DURESAN 4E in water at the rate of 1/2 pint per acre (equivalent to 2 1/2 fl. oz. per 1000 sq. ft.) to the areas to be treated. Use 10 gallons of water and apply at a steady spray to thoroughly and uniformly wet the band area.

**Warning (Mosquito Control):** Read complete Environmental and Use Precautions and consult your State Fish and Game Department before using this product for mosquito control.

**DOSAGES and DILUTIONS for USE on ORNAMENTAL PLANTS**

Pests Controlled	Amount of DURESAN 4E in Water to Make		
	3 gallons	10 gallons	100 gallons
Aphids	0.25 fl. oz.	0.8 fl. oz.	0.5 pint
Beetworms			
Orange-peeped sawworm			
Spittlebug			
Whiteflies			
Full webworm			
Caterpillar			
Tallhorned caterpillar			
Cinchoppers			
Minors (ashburn)	0.5 fl. oz.	1.6 fl. oz.	1 pint
Leafhoppers			
Red-footed caterpillar			
Mealbugs			
Ash borer	1.0 fl. oz.	3.2 fl. oz.	1 quart
Saw caterpillars			
Oak lecanium			
Pine needle			
Tea			
White peach			

Equivalent to 4 ounces of chlorpyrifos per 100 gallons.  
 Equivalent to 8 ounces of chlorpyrifos per 100 gallons.  
 Equivalent to 1 pound of chlorpyrifos per 100 gallons.

**CONDITIONS and RATES to USE for MOSQUITO CONTROL**

Condition of Area to be Treated	Amount to Use Per Acre		Number Acres DURESAN 4E Will Treat
	DURESAN 4E (fluid ounces)	Chlorpyrifos (pounds)	
Larval Control			
None to medium vegetative cover	0.4 to 0.8	0.0125 to 0.025	370 to 160
Medium to heavy vegetative cover	0.8 to 1.6	0.025 to 0.05	160 to 80
Adult Control			
Light to medium vegetative cover	0.8	0.025	160
Medium to heavy vegetative cover	1.6	0.05	80

The higher dosage will also give better back-burn and longer residual control where there is little or no vegetation.

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