

# **TURF GROWN FOR TURF OR SEED - POSTEMERGENCE - EARLY TILLERING TO HEADING**

## General Information

### PRODUCT INFORMATION

Willowood Pronamide 3.3SC is effective for the control of a wide range of grasses and certain broadleaf weeds. The product is a soil active herbicide with uptake by sensitive weeds occurring through the roots. Before using this herbicide for a specific crop use, study the following product use information that provides important instructions for the safe and effective application of the product.

**Use Restrictions:** Hand-spray applications of Willowood Pronamide 3.3SC may be made only to ornamentals and nursery stock of ornamentals.

**Chemigation:** Do not apply this product through any type of irrigation system except as specified on the label or in Willowood, LLC supplemental labeling.

### WEED SPECTRUM

Willowood Pronamide 3.3SC may be used for both preemergence and early post-emergence control of winter annual and perennial grasses and chickweed and for preemergence control only of certain other broadleaf weeds and certain other grasses listed.

**Note:** The weed species controlled by Willowood Pronamide 3.3SC are dependent on the rate used, specific crop culture involved, and the associated conditions of temperature, soil type and moisture availability. Refer to specific crop use directions for weed species controlled.

### TIMING AND APPLICATION

Unless specific directions are given under the crop to be treated, apply Willowood Pronamide 3.3SC in the fall or early winter, when temperatures do not exceed 55°F, but prior to freeze-up. Best weed control results occur when Willowood Pronamide 3.3SC is applied preemergence to the weeds and when application is followed by rainfall or irrigation to move the product into the root zone of the germinating

weeds.

Mix Willowood Pronamide 3.3SC thoroughly in clean water at the required concentration and apply uniformly as a spray. For ground application, use a conventional low-pressure herbicide sprayer equipped with flat fan nozzles spaced and calibrated to uniformly deliver 20 to 50 gallons of spray per acre. For aerial applications, apply in a coarse droplet spray at 5 to 10 gallons per acre. Accurately calibrate spray equipment prior to each use.

#### EFFECT OF SOIL TYPE, MOISTURE AND TEMPERATURE

Willowood Pronamide 3.3SC is most active in coarse to medium texture soils of low organic matter and relatively inactive in peat or muck soils or mineral soils high in organic matter content at rates specified in the label. Herbicidal activity is best in soils containing less than 4 percent organic matter. Use in soils with higher organic matter may result in inconsistent or incomplete weed control.

The herbicidal activity of Willowood Pronamide 3.3SC is mainly through root absorption in sensitive weed species.

Rain, melting snow or irrigation is essential following treatment to move Willowood Pronamide 3.3SC into the root zone of germinating weeds.

Under field conditions, Willowood Pronamide 3.3SC will remain relatively stable with little loss of herbicidal activity when soil temperatures are less than 55°F. As soil temperatures increase, degradation of the active ingredient takes place. Willowood Pronamide 3.3SC may degrade rather quickly if left exposed on the soil surface in warm weather. If Willowood Pronamide 3.3SC is applied when air temperature exceeds 85°F, the treatment must be soil incorporated to a shallow depth (top two to three inches) or watered into the soil as soon as possible.

#### CULTURAL CONSIDERATIONS

For best results, apply Willowood Pronamide 3.3SC to a trash-free soil surface. Clean cultivation before application is preferable, but not necessary. To obtain optimum weed control in areas not clean cultivated, the area to be treated must be free of surface litter (dead or decaying crop and weed debris, mowing clippings, etc.). Trash-free areas create ideal conditions for rapid movement of Willowood Pronamide 3.3SC into the weed root zone following rain or irrigation.

## Limitations, Restrictions, and Exceptions

### TURF GROWN FOR SOD

This product may only be used on turf grown for sod or on nonresidential sites including but not limited to golf course, industrial and office building sites, stadium fields or professional athletic fields.

### Product Information

Willowood Pronamide 3.3SC is a selective herbicide for the preemergence and postemergence control of annual bluegrass (*Poa annua*) from warm season grasses and the removal of perennial rye grass (*Lolium perenne*) from warm season during spring transition. Warm season grasses include ornamental bermudagrass (*Cynodon dactylon*), Zoysiagrass, St. Augustinegrass and Centipedegrass.

### Annual Bluegrass (*Poa Annua*) Control

Willowood Pronamide 3.3SC will control annual bluegrass from pre-germination and seedling stages through tillering, heading and seed formation. Willowood Pronamide 3.3SC acts slowly on seedling to mature annual bluegrass. Following application of Willowood Pronamide 3.3SC annual bluegrass may first become dark green and then gradually turn yellow and die over a 3- to 5-week period.

For effective control of annual bluegrass in turf or seed crops, moisture is necessary to move Willowood Pronamide 3.3SC in the weed root zone. Refer to the Moisture Requirements section of the label for details.

### Dosage and Timing

For annual bluegrass control, Willowood Pronamide 3.3SC is applied at the rate of 1.25 to 3.5 pints of product (0.5 to 1.5 lb. active ingredient) per acre broadcast application. The dosage rate required is dependent on the growth stage of annual bluegrass at time of application.

1 One acre equals 43,560 sq. ft.

2 Use the higher rate when longer preemergence residual control is desired.

### Turf Grown for Sod – Specific Use Restrictions

- This product may be used on non-residential seeded, sodded, or sprigged turf or

turf grown for sod that is well established. Use of this product on turf that has been weakened by weather-, pest-, disease-, chemical-, or mechanical-related stress may increase the chances of turf injury.

- This product must only be applied to turf areas that are composed of the following turfgrass species:

- o Bermudagrass (*Cynodon dactylon*)
- o Centipedegrass (*Eremochloa ophiuroides*)
- o St. Augustinegrass (*Stenotaphrum secundatum*)
- o Zoysiagrass (*Zoysia japonica*)

- Avoid spraying on hill sides, fairways, or approaches that may drain onto bentgrass greens or to area overseeded with sensitive cool season grasses. Do not make an application of a wetting agent for the purpose of frost protection or soil penetration to greens or tees 14 days prior to or after a Willowood Pronamide 3.3SC application as injury may result.

- Do not apply Willowood Pronamide 3.3SC herbicide to areas that are to be overseeded with susceptible cool season grasses within 90 days of treatment unless deactivation is planned.

- Do not apply Willowood Pronamide 3.3SC to dichondra, perennial bluegrass, annual and perennial ryegrasses, fescues and bentgrasses.

- Do not graze treated areas and do not feed clippings to livestock.

- Do not apply more than 1.5 lbs./acre active ingredient (3.5 pints/acre of Willowood Pronamide 3.3SC) or make more than one application of Willowood Pronamide 3.3SC per crop season.

## Method

[Broadcast/Foliar Ground](#)

## Rates

[field\\_rates 0](#)

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## Restricted Entry Interval

24 hours

## Timings

[Postemergence \(Weed\)](#)

[Early tillering to heading](#)