

# SUPPLEMENTAL LABELING

READ THE ENTIRE LABEL FOR CERTAINTY® TURF HERBICIDE BEFORE PROCEEDING WITH THE USE DIRECTIONS CONTAINED IN THIS SUPPLEMENTAL LABELING.

When using Certainty turf herbicide as permitted according to this supplemental labeling, read and follow all applicable directions, restrictions, and precautions on the label booklet provided with the pesticide container and on this supplemental labeling. This supplemental labeling must be in the possession of the user at the time of pesticide application.



EPA Reg. No. 524-534

Certainty is a trademark of Monsanto Technology LLC.

## Weed Control in Established Cool-Season Turfgrasses

Keep out of reach of children.

### CAUTION!

In case of an emergency involving this product or for user safety information on this product, Call Collect, day or night (314) 694-4000.

#### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling.

This label must be in the possession of the user at the time of application.

See the "GENERAL INFORMATION" and "MIXING" and "APPLICATION EQUIPMENT AND TECHNIQUES" sections of the Complete Directions For Use for Certainty turf herbicide for essential product information.

#### SITE AND USE RECOMMENDATIONS

Certainty turf herbicide may be used for general weed control on highly managed ornamental turf and native grasses. This product may be applied to residential and commercial turf sites, including athletic fields, cemeteries, golf course fairways, golf course roughs, golf course tees, and other golf course areas, parks, public turf areas, school grounds, sod and turfgrass seed farms, and other highly managed turfgrass sites. **Do not apply to golf course putting greens or within 4 feet of the greens.**

#### COOL-SEASON TURFGRASSES

This product generally has been shown to be safe for use on the cool-season turfgrasses listed below:

- Creeping bentgrass
- Kentucky bluegrass

Use of this product may result in temporary chlorosis and/or stunting of the desirable turf. Creeping bentgrass is more sensitive to this product depending on environmental conditions, cultivar differences and other influential factors. If discoloration occurs, skip or delay additional applications to allow turf to recover to a desirable quality. Test this product on a small area prior to wide-scale use to determine if this product is suitable for your management and cultural practices.

#### WEED CONTROL IN ESTABLISHED CREEPING BENTGRASS

Use of this product may result in temporary chlorosis and/or stunting of creeping bentgrass turf. Cool temperatures, heavy moisture levels and high soil clay content will enhance chlorosis or stunting. If turf discoloration or excessive thinning occurs, skip or delay additional application to allow turf to recover to a desirable quality.

Sodding or overseeding may be needed to cover open areas and maintain overall turf quality. Creeping bentgrass can be slit-seeded into treated areas beginning 14 days after the last application of this product.

#### • Roughstalk Bluegrass (*Poa trivialis*) Control in Established Creeping Bentgrass Golf Course Fairways, Roughs, Approaches and Tees

For suppression of *Poa trivialis* in established creeping bentgrass turf, apply 0.25 ounce of this product per acre. For enhanced control, up to two sequential applications of 0.25 ounce of this product per acre at 14- to 21-day intervals may be made. Make all applications between June 1 and September 15.

#### WEED CONTROL IN ESTABLISHED KENTUCKY BLUEGRASS

Weed control recommendations in this section are for use ONLY on pure stands of Kentucky bluegrass. Some chlorosis or stunting of the desirable turf may occur following application.

#### • Sedge Control in Established Kentucky Bluegrass

For control of purple or yellow nutsedge in established Kentucky bluegrass turf, apply a single application of 0.75 ounce of this product per acre after nutsedge has reached the 3- to 8-leaf stage of growth. Or, for enhanced control,

apply this product at 0.75 ounce per acre, followed by a second application of 0.75 ounce per acre 4 or more weeks after initial treatment.

- **Roughstalk Bluegrass (*Poa trivialis*) Control in Kentucky Bluegrass**

For control of *Poa trivialis* in established Kentucky bluegrass turf, apply a single application of 0.75 ounce of this product per acre. Or, for enhanced control, apply this product at 0.75 ounce per acre, followed by a second application of 0.75 ounce per acre 14 to 21 days after the initial treatment.

- **Tall Fescue Control in Kentucky Bluegrass**

For control of tall fescue, apply this product at 0.75 ounce per acre, followed by a sequential application of 0.75 ounce per acre 21 to 28 days after the initial treatment. Applications should be made when tall fescue is actively growing.

- **Creeping Bentgrass Control in Kentucky Bluegrass**

For suppression of creeping bentgrass in established Kentucky bluegrass turf, apply a single application of 0.75 ounce of this product per acre. For enhanced control, apply 0.75 ounce of this product per acre, followed by a sequential application of 0.75 ounce per acre 14 to 21 days after the initial application.

Treat creeping bentgrass in late fall or early winter when air temperatures drop consistently below 50 degrees F. Time of application based on air temperature can be measured using Growing Degree Days (GDD). GDD = average maximum air temperature + average minimum air temperature divided by 2 minus 50. Start applications when the GDD is at 0 to 10. Temporary chlorosis and/or stunting of the desirable turf may occur following application and up until the following spring. As creeping bentgrass infestations are controlled, open turf spaces may occur. Regrowth of creeping bentgrass may occur. To minimize bentgrass regrowth and to maintain overall turf quality, sodding or overseeding of open areas may be needed. Kentucky bluegrass can be sodded or slit-seeded into treated areas beginning 14 days after the last application of this product, or as early as possible the following spring.

- **General Weed Control in Kentucky Bluegrass**

For control of other weeds listed on this supplemental label in established Kentucky bluegrass turf, apply a single application of this product at 0.75 ounce per acre. Or, for enhanced control, apply 0.75 ounce of this product per acre, followed by a sequential application of 0.75 ounce per acre 4 or more weeks after the initial treatment.

## WEEDS CONTROLLED

<b>Barley, little</b> <i>Hordeum pusillum</i>	<b>Ivy, ground</b> <i>Glechoma hederacea</i>
<b>Barley, volunteer</b> <i>Hordeum vulgare</i>	<b>Johnsongrass</b> <i>Sorghum halepense</i>
<b>Bedstraw; catchweed</b> <i>Galium aparine</i>	<b>Kyllinga, false green</b> <i>Kyllinga gracilima</i>
<b>Bentgrass, creeping</b> <i>Agrostis stolonifera</i>	<b>Kyllinga, fragrant</b> <i>Kyllinga sesquiflorus</i>
<b>Bluegrass, annual</b> <i>Poa annua</i>	<b>Kyllinga, green</b> <i>Kyllinga brevifolia</i>
<b>Bluegrass, roughstalk</b> <i>Poa trivialis</i>	<b>Mustard, tumble</b> <i>Sisymbrium altissimum</i>
<b>Bluegrass, bulbous</b> <i>Poa bulbosa</i>	<b>Mustard, wild</b> <i>Sinapis arvensis</i>
<b>Buttercup</b> <i>Ranunculus arvensis</i>	<b>Nutsedge, purple</b> <i>Cyperus rotundus</i>
<b>Buttonweed<sup>1</sup></b> <i>Diodia virginiana</i>	<b>Nutsedge, yellow</b> <i>Cyperus esculentus</i>
<b>Chamomile, mayweed</b> <i>Anthemus cotula</i>	<b>Pennycress, field</b> <i>Thlaspi arvense</i>
<b>Chickweed, common</b> <i>Stellaria media</i>	<b>Pennywort, lawn<sup>1</sup></b> <i>Hydrocotyle sibthorpioides</i>
<b>Clover, white</b> <i>Trifolium repens</i>	<b>Quackgrass<sup>1</sup></b> <i>Elytrigia repens</i>
<b>Crowfootgrass</b> <i>Dactyloctenium aegyptium</i>	<b>Ryegrass, perennial</b> <i>Lolium perenne</i>
<b>Dandelion</b> <i>Taraxacum officinale</i>	<b>Sedge, globe</b> <i>Cyperus croceus</i>
<b>Fescue, tall</b> <i>Festuca arundinacea</i>	<b>Sedges, annual</b> <i>Cyperus spp.</i>
<b>Garlic, wild</b> <i>Allium vineale</i>	<b>Shepherd's-purse</b> <i>Capsella bursa-pastoris</i>
<b>Geranium, Carolina</b> <i>Geranium carolinianum</i>	<b>Violet, wild</b> <i>Viola pratincola</i>
<b>Henbit<sup>1</sup></b> <i>Lamium amplexicaule</i>	<b>Woodsorrell, yellow</b> <i>Oxalis stricta</i>

<sup>1</sup> Suppression or partial control only

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**Read the "LIMIT OF WARRANTY AND LIABILITY" in the label pamphlet for Certainty turf herbicide before using. These terms apply to this supplemental labeling and if these terms are not acceptable, return the product unopened at once.**

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