

Supplemental Label



FIERCE HERBICIDE 999

EPA Reg. No. 59639-193
(For Use in Idaho, Oregon and Washington Only)

FIERCE® HERBICIDE FOR USE IN GRASS GROWN FOR SEED (Fine Fescue, Perennial Ryegrass, Tall Fescue and Orchardgrass)

This supplemental label expires November 17, 2021 and must not be used or distributed after this date.

THIS LABELING MUST BE IN THE POSSESSION OF THE USER AT THE TIME OF APPLICATION. READ THE LABEL AFFIXED TO THE CONTAINER FOR *FIERCE* HERBICIDE BEFORE APPLYING. USE OF *FIERCE* HERBICIDE ACCORDING TO THIS LABELING IS SUBJECT TO THE USE PRECAUTIONS AND LIMITATIONS IMPOSED BY THE LABEL AFFIXED TO THE CONTAINER FOR *FIERCE* HERBICIDE

DIRECTIONS FOR USE

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

Table 1. *Fierce* Herbicide Rate Summary

| Ounces of <i>Fierce</i> Herbicide | Pounds of flumioxazin | Pounds of pyroxasulfone |
|--|----------------------------------|------------------------------------|
| 1.5 | 0.032 | 0.041 |
| 3.0 | 0.063 | 0.080 |

Fierce Herbicide applied in the fall, preemergence to the weeds, in newly carbon-banded plantings, spring planted (at least 8 tillers) and established stands, for residual weed control (at beginning of fall rains) of many annual grasses, volunteer sprouts and winter annual broadleaf weeds (see Table 2. Weeds Controlled or Suppressed by Residual Activity of *Fierce* Herbicide see weed table below). Complete applications by January 31. *Fierce* Herbicide may be applied as a broadcast application. *Fierce* Herbicide must be incorporated with 1/4 inch of rainfall or evenly applied irrigation. Use *Fierce* Herbicide in a sufficient volume of water (at least 20 gallons per acre) for adequate coverage. *Fierce* Herbicide can be tank mixed with metribuzin at 0.28 lb ai/A, Goal® 2XL (oxyfluorfen) at 4 oz/A (0.063 lb ai/A) or Kerb® SC (pronamide) at 5 oz/A (0.13 lb ai/A).

Grass Weeds Controlled by *Fierce* Herbicide

Annual Bluegrass (*Poa annua*) and Roughstalk Bluegrass (*Poa trivialis*); Rattail Fescue and Annual Fescue (*Vulpia myuros*); *Brome* spp.; Italian Ryegrass and Annual Ryegrass (*Lolium perenne* L. subsp. *multiflorum*).

New Plantings

Fierce Herbicide may be applied at 1.5 oz/A as a broadcast treatment over the seed rows that have the activated carbon band above them. The activated carbon over the seed row will adsorb *Fierce* Herbicide and allow the seed beneath to germinate. Seed germination is dependent on the

quality of the carbon band above the seed. Apply activated carbon at 25 lb/A in a 1 inch band (equal to a 300 lb/A broadcast application) at planting. Apply to smooth, crop residue-free seedbeds. A spray unit on a 12-inch drill applying a slurry band 1 inch wide directly over the seeded rows works well. Use proper agitation to keep the carbon in suspension. Mix activated carbon with water at 0.5 lb/gallon. This band may be compromised due to poor seed bed preparation, heavy rainfall, standing water, steep slopes and other possible disturbances allowing the herbicide to move into the seed row and inhibit crop germination. The grower utilizing this system assumes all risks of crop injury and/or stand loss associated with the application.

Spring Planted Grass Seed Crops

Apply *Fierce* Herbicide at 1.5 to 3 oz/A in the fall following a spring planting if the crop has attained a growth stage of at least eight tillers and depending on stand vigor.

Established Grass Seed Crops (at least one seed harvest)

Apply *Fierce* Herbicide following seed harvest at 1.5 to 3 oz/A depending on stand vigor.

USE RESTRICTIONS

- Do not apply more than 3 oz (0.063 lb flumioxazin; 0.080 lb pyroxasulfone) of *Fierce* Herbicide per acre per application.
- Do not make more than 1 application of *Fierce* Herbicide per acre per year.
- Do not apply more than 3 oz (0.063 lb flumioxazin; 0.080 lb pyroxasulfone) of *Fierce* Herbicide per acre per year.
- Do not apply within 60 days of harvest.
- Graze treated fields or feed treated hay to livestock no sooner than 60 days after application.

Table 2. Weeds Controlled or Suppressed by Residual Activity of *Fierce* Herbicide

| Common Name | Scientific Name | <i>Fierce</i> Herbicide Rates* |
|-------------------------------|--------------------------------|--|
| | | 3 oz/A C = Control or S = Suppression |
| BROADLEAF WEED SPECIES | | |
| Bristly Starbur | <i>Acanthospermum hispidum</i> | S |
| Carpetweed | <i>Mollugo verticillata</i> | C |
| Chickweeds | | |
| Common | <i>Stellaria media</i> | C |
| Mouseear | <i>Cerastium vulgatum</i> | C |
| Coffee Senna | <i>Cassia occidentalis</i> | S |
| Copperleaf, Hophornbeam | <i>Acalypha ostryifolia</i> | S |
| Dandelion | <i>Taraxacum officinale</i> | C |
| Eclipta | <i>Eclipta prostrata</i> | C |
| Evening-primrose, Cutleaf | <i>Oenothera laciniata</i> | C |
| Florida Beggarweed | <i>Desmodium tortuosum</i> | S |
| Florida Pusley | <i>Richardia scabra</i> | C |
| Golden Crownbeard | <i>Verbesina encelioides</i> | S |
| Hairy Indigo | <i>Indigofera hirsuta</i> | S |
| Hemp Sesbania | <i>Sesbania exaltata</i> | C |
| Henbit | <i>Lamium amplexicaule</i> | C |
| Jimsonweed | <i>Datura stramonium</i> | C |
| Kochia | <i>Kochia scoparia</i> | C |
| Lambsquarters, Common | <i>Chenopodium album</i> | C |
| Little Mallow | <i>Malva parviflora</i> | C |
| Marestail/Horseweed | <i>Conyza canadensis</i> | C |

* See Table 1 for lb ai.

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|-------------------------------|---|---------------------------------------|
| | | 3 oz/A |
| | | C = Control or S = Suppression |
| BROADLEAF WEED SPECIES | | |
| Morningglories ¹ | | |
| Entireleaf | <i>Ipomoea hederacea</i> var. <i>integruscula</i> | S |
| Ivyleaf | <i>Ipomoea hederacea</i> | S |
| Red/Scarlet | <i>Ipomoea coccinea</i> | S |
| Tall | <i>Ipomoea purpurea</i> | S |
| Mustard, Wild | <i>Brassica kaber</i> | C |
| Nightshades | | |
| Black | <i>Solanum nigrum</i> | C |
| Eastern Black | <i>Solanum ptycanthum</i> | C |
| Hairy | <i>Solanum sarrachoides</i> | C |
| Palmer Amaranth | <i>Amaranthus palmeri</i> | C |
| Pigweeds | | |
| Redroot | <i>Amaranthus retroflexus</i> | C |
| Smooth | <i>Amaranthus hybridus</i> | C |
| Spiny Amaranth | <i>Amaranthus spinosus</i> | C |
| Tumble | <i>Amaranthus albus</i> | C |
| Prickly Sida (Teaweed) | <i>Sida spinosa</i> | C |
| Puncturevine | <i>Tribulus terrestris</i> | C |
| Purslane, Common | <i>Portulaca oleracea</i> | C |
| Radish, Wild | <i>Raphanus raphanistrum</i> | C |
| Ragweeds | | |
| Common | <i>Ambrosia artemisiifolia</i> | S |
| Giant | <i>Ambrosia trifida</i> | S |
| Redmaids | <i>Calandrinia ciliata</i> var. <i>menziessii</i> | C |
| Russian Thistle | <i>Salsola iberica</i> | S |
| Shepherd's-purse | <i>Capsella bursa-pastoris</i> | C |
| Smallflower Morningglory | <i>Jacquemontia tamnifolia</i> | C |
| Spotted Spurge | <i>Euphorbia maculata</i> | C |
| Smartweeds | | |
| Ladysthumb | <i>Polygonum persicaria</i> | S |
| Pennsylvania | <i>Polygonum pennsylvanicum</i> | S |
| Spurred Anoda | <i>Anoda cristata</i> | S |
| Tropic Croton | <i>Croton glandulosus</i> | S |
| Velvetleaf | <i>Abutilon theophrasti</i> | C |
| Venice Mallow | <i>Hibiscus trionum</i> | C |
| Waterhemp | | |
| Common | <i>Amaranthus rudis</i> | C |
| Tall | <i>Amaranthus tuberculatus</i> | C |
| Wild Buckwheat | <i>Polygonum convolvulus</i> | S |
| Wild Poinsettia | <i>Euphorbia heterophylla</i> | S |
| Wormwood, Biennial | <i>Artemisia biennis</i> | S |

*See Table 1 for lb ai.

continued

Table 2. Weeds Controlled or Suppressed by Residual Activity of Fierce Herbicide

| Common Name | Scientific Name | Fierce Herbicide Rates* |
|---------------------------|--------------------------------|--------------------------------|
| | | 3 oz/A |
| | | C = Control or S = Suppression |
| GRASS WEED SPECIES | | |
| Barnyardgrass | <i>Echinochloa crus-galli</i> | C |
| Bluegrass, Annual | <i>Poa annua</i> | C |
| Cheat | <i>Bromus secalinus</i> | C |
| Crabgrass | | |
| Large | <i>Digitaria sanguinalis</i> | C |
| Smooth | <i>Digitaria ischaemum</i> | C |
| Cupgrass, Southwestern | <i>Eriochloa gracilis</i> | C |
| Downy Brome | <i>Bromus tectorum</i> | C |
| Foxtails | | |
| Giant | <i>Setaria faberi</i> | C |
| Green | <i>Setaria viridis</i> | C |
| Yellow | <i>Setaria glauca</i> | C |
| Goosegrass | <i>Eleusine indica</i> | C |
| Johnsongrass (seedling) | <i>Sorghum halepense</i> | C |
| Lovegrass, California | <i>Eragrostis diffusa</i> | C |
| Panicums | | |
| Fall | <i>Panicum dichotomiflorum</i> | C |
| Texas | <i>Panicum texanum</i> | C |
| Red Rice | <i>Oryza sativa</i> | C |
| Ryegrass | | |
| Italian | <i>Lolium multiflorum</i> | C |
| Rigid | <i>Lolium rigidum</i> | C |
| Signalgrass, Broadleaf | <i>Brachiaria platyphylla</i> | C |

*See Table 1 for lb ai.

¹ Morningglory species are not adequately controlled on fine soils or soils with greater than 3% organic matter.

PLEASE CONTACT VALENT U.S.A. LLC AT 800-6-VALENT (682-5368) TO DETERMINE IF THIS USE IS REGISTERED IN YOUR STATE.

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