

# Piper<sup>®</sup>

## HERBICIDE

## RYEGRASS CONTROL ON ROADSIDES.

Piper<sup>®</sup> Herbicide provides an excellent tool for DOT managers and others to selectively control Italian ryegrass and other winter annual weeds on unimproved roadsides. Control of Italian ryegrass reduces mowing costs. Piper Herbicide also releases desirable Bermudagrass and bahiagrass, which in turn reduces soil erosion.

### COMPETITIVE ADVANTAGES

#### SUPERIOR PERFORMANCE

- Controls Italian ryegrass and other winter annual weeds: reducing mowing costs
- Releases desirable Bermudagrass and bahiagrass: reducing soil erosion
- Provides resistance management: two modes of action to control ALS-resistant Italian ryegrass and slow resistance evolution
- Wide application window: long-lasting pre-emergence and early post-emergence control

### EXCELLENT CONTROL OF ITALIAN RYEGRASS

- Piper Herbicide unleashes a new level of Italian ryegrass and broadleaf weed control. This trial demonstrates unparalleled, long-lasting control of Italian ryegrass.



March 7, 2016 (56 DAA) | University of Georgia

### AT-A-GLANCE INFO

EPA REG. NO.	59639-193
ACTIVE INGR.	flumioxazin (33.5%), pyroxasulfone (42.5%)
FORMULATION	water-dispersible granule
CHEM. FAMILY	flumioxazin, N-phenylphthalimide, pyroxasulfone, pyrazole herbicide
GROUP NO.	14 and 15
MODE OF ACT.	flumioxazin– protoporphyrinogen oxidase (PPO) inhibitor, pyroxasulfone–very long chain fatty acid (VLCFA) inhibitor
SIGNAL WORD	caution
RESTRICTED	no
PACKAGE SIZE	3.75 lb bottle (4 per case)



## RYEGRASS CONTROL ON ROADSIDES.

### KEY USES

Hard-to-control weeds in unimproved roadsides and non-crop areas where bare ground is desired

(airports, brickyards, farm buildings, fence rows, gravel shoulders, guard rails, improved roadside areas, industrial plant sites, lumber yards, military installations, parking, pipelines, plant sites, pumping stations, railroad beds, railroad yards, shelter belts, storage, substations, tank farms, ungrazed wind breaks)

### KEY WEEDS CONTROLLED

(See product label for complete list)

Barnyardgrass  
 Carpetweed  
 Chickweeds; common, mouseear  
 Crabgrass; large, smooth  
 Dandelion  
 Eclipta  
 Evening primrose, cutleaf  
 Florida beggarweed  
 Florida pusley  
 Foxtails; giant, green, yellow  
 Hairy indigo  
 Hemp sesbania  
 Henbit  
 Jimsonweed  
 Kochia  
 Lambsquarters; common  
 Marehail  
 Morningglory; entireleaf, ivyleaf, red, tall  
 Mustard, wild  
 Nightshades; black, hairy  
 Pigweeds; redroot, smooth, Palmer  
 and spiny amaranth, tumble  
 Prickly sida, teaweed  
 Puncturevine  
 Purslane, common  
 Radish, wild  
 Ragweed, common  
 Russian thistle  
 Ryegrass; Italian, rigid  
 Shepherd's-purse  
 Velvetleaf  
 Waterhemp; common, tall

### USE SUMMARY

Ground applications can be made using standard commercial sprayers equipped with flat fan nozzles or other appropriate nozzles that are designed to deliver the desired spray pressure and spray volume.

**RATE:** 8 to 10 oz/A

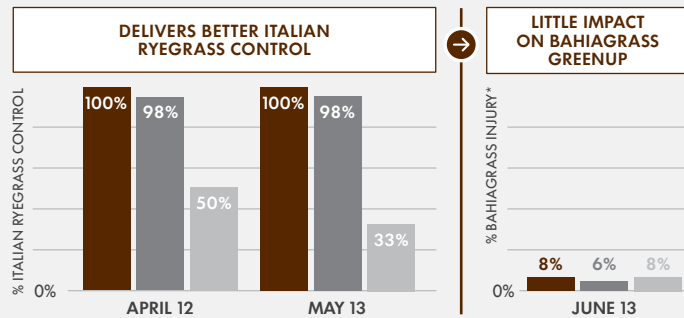
Apply Piper® Herbicide during the fall, winter or spring when bahiagrass and Bermudagrass are dormant or semi-dormant. Optimal application timing is prior to germination of target weeds.

Piper Herbicide can be applied with glyphosate or other systemic herbicides where weeds are greater than 2 inches in height or when more post-emergence activity is needed.

See label for complete directions for use.

### CONTROL ITALIAN RYEGRASS AND IMPROVE ROADSIDE TURF

Application of Piper alone or in combination to control Italian ryegrass and improve roadside turf

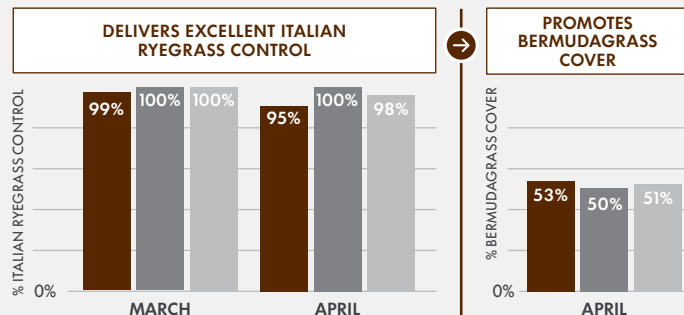


■ Piper® 8 oz/A + Payload® 8.5 oz/A + Envoy Plus® 16 fl oz/A (applied Feb 13, 2019)

■ Glyphosate\* 16 fl oz/A + Esplanade® 200 SC 4 fl oz/A (applied Dec 12, 2018)

■ Glyphosate\* 16 fl oz/A + Spyder® 0.5 oz/A (applied Feb 13, 2019)

MS. State Roadside Trial. Meridian, MS.



■ Piper® 8 oz/A + Glyphosate\* 16 fl oz/A (applied Dec 2018)

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2019 UGA Roadside Trial. Jackson, GA.

\*3 lb ae/gal formulation



[nufarm.com/uscrop](http://nufarm.com/uscrop)

For specific application rates, directions, mixing instructions and precautions, read the product label. Please visit [www.nufarm.com/uscrop](http://www.nufarm.com/uscrop) to download a full label.

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