

>> SELECTIVE HERBICIDE

VELOCITY® SP

THE ONLY POST-EMERGENT HERBICIDE
THAT SELECTIVELY REDUCES
ANNUAL BLUEGRASS POPULATIONS.



CHALLENGE

Annual bluegrass (*Poa annua*), commonly known as Poa, is found on many golf courses and has a number of attributes that make it unappealing to turf managers. There are many ecotypes of annual bluegrass that each grow at different rates and when mixed with creeping bentgrass can contribute to uneven playing surfaces, create management challenges and increase overwintering risks. Transitioning annual bluegrass out of fairways and tees can be a tough task.



NUFARM SOLUTION

Velocity® SP herbicide is the best way to convert Poa-infested turf back to creeping bentgrass. A post-emergent herbicide, Velocity gives golf course superintendents an effective way to make a gradual transition from annual bluegrass infested turf to pure stands of creeping bentgrass. In addition, Velocity provides secondary benefits by suppressing dollar spot and controlling other pesky broadleaf weeds.



REGISTERED USES

Golf course and sod farms – creeping bentgrass, Kentucky bluegrass, perennial ryegrass, and tall fescue

BEST MANAGEMENT PRACTICES

- Use lower rates and wider application interval for slowest conversion
- Vary your spray patterns to reduce overspray into Kentucky bluegrass collars
- Dollar spot suppression at 31 g/ha rate and higher
- Establish small marked plots and take photos of the same areas all season long to monitor species population shifts
- If you have difficulty reestablishing divots from seed while using Velocity reduce the rate and increase number of application to offset the lower rate (example, instead of 31 g applied every 28 days, modify to 16 g every 21 days)
- Don't make applications if soil is at field capacity or heavy rain is forecasted within 24 hours

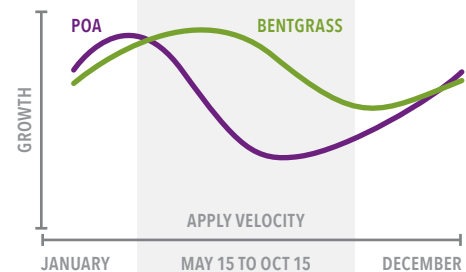
PCP NO.	28833	WSSA GROUP	2
ACTIVE INGR.	bispiribac sodium (76.1%)		
FORMULATION	water-dispersible granule		
CHEM. FAMILY	pyrimidinyl(thio)benzoate		
PACKAGE SIZE	5 x 56.7 g soluble packets (one case) one packet treats 18 acres (at 31 g/ha)		
RAINFAST	avoid application when heavy rain is forecast		
APPLICATION / SEASON	do not apply more than a total of 370.8 g/ha per season		
SURFACTANT NEEDED	no		

BENEFITS

- The only option available in Canada for golf courses and sod farms to remove annual bluegrass
- Selectively reduces the presence of Poa with certain species of turf including creeping bentgrass, perennial ryegrass, Kentucky bluegrass and tall fescue
- Part of a programmed approach to gradually transition Poa-infested turf back to pure stands
- Offers suppression of dandelion, white clover, and dollar spot

TIMING

- Apply May 15 - October 15 once daily temperatures reach 21°C



Nufarm

Grow a better tomorrow.

VELOCITY® SP

ANNUAL BLUEGRASS TRANSITION PROGRAMS

Golf course superintendents and sod growers have new options for using Velocity® SP Herbicide to effectively transition annual bluegrass out of turf, with several updates to the product's label on rates and timing.

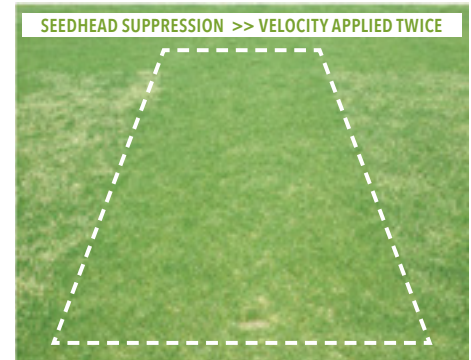
New label updates provide added flexibility for rates and timing, as part of a planned program to convert Poa-infested turf back to creeping bentgrass, perennial ryegrass, Kentucky bluegrass or tall fescue.

- New extended application window from May 15–October 15, adding one more month for fall application
 - Apply once daily high air temperatures reach 21°C consistently
 - Don't apply if freezing air temperatures are predicted within 3 days of application
- New 16 g/ha rate designed for annual bluegrass reduction only
- New options for application interval timing, depending on the transition program used, including 5–10, 14, 21 and 28 day intervals

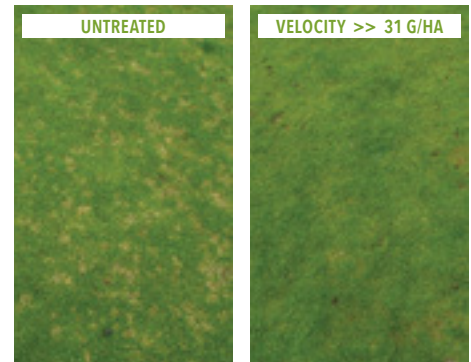
FIVE PROGRAM OPTIONS	PROGRAM RATES AND RECOMMENDATIONS
CREeping BENTGRASS AND PERENNIAL RYEGRASS PROGRAMS	
PROGRAM 1 Slow Steady Removal of Small Poa Seedlings	<ul style="list-style-type: none"> • 16 g/ha every 21 to 28 days throughout the summer • In the fall, one application of 31 g/ha as late in the season as possible (without getting into freezing temperatures)
PROGRAM 2 Conversion Over 4 Years - 4 Applications Per Year	<ul style="list-style-type: none"> • 31 g/ha application - two applications in spring and two applications in fall on a 14-day interval • You'll see a dramatic reduction in Poa (expect a minimum of 75% over that time) in 4 years • Some yellowing to bentgrass may occur at 31 g/ha rate
PROGRAM 3 Complete Removal in One Season	<ul style="list-style-type: none"> • 31 g/ha every 7 to 10 days • Use only when complete removal of Poa is acceptable • Some yellowing to bentgrass may occur at 31 g/ha rate
PROGRAM 4 Quick Removal of Light Infestations (<15%)	<ul style="list-style-type: none"> • 93 g/ha four times every 14 days • Use for light infestations (<15%) for quick removal of Poa • Yellowing of bentgrass will occur at 93 g/ha rate
KENTUCKY BLUEGRASS AND TALL FESCUE PROGRAM	
PROGRAM 5	<ul style="list-style-type: none"> • 16–31 g/ha every 7 to 14 days • Begin early in the season – based on temperature and timing • Shorter mowing height will increase the tolerance of Kentucky bluegrass • Rates less than 31 g/ha greatly help to reduce any negative effects on all cultivars of Kentucky bluegrass



Wade Hampton Golf Course. Velocity applied at 31 g/ha. Pictures taken 14 days after fourth application.



Michigan State University. Velocity applied at 31 g/ha September 1 and October 1.



Michigan State University. Velocity applied monthly at 31 g/ha beginning on May 18. Pictures taken on August 24.



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