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Perform3G

Pre-emergent Turf Herbicide
Complete, Long-Lasting Control

HiCap

HiCap's Turf Herbicide:

PERFORM 3G

Powered by a groundbreaking 0-8 anchoring technology,
Perform 3G redefines pre-emergent herbicide safety and performance.

Perform 3G's 08 technology optimizes active ingredient distribution for dual-action weed control

1.

Anchors AIs within the top 8 cm of soil
— the primary weed germination zone
— to maximize disruption of seed germination

2.

Distributes AIs on the soil surface to prevent weed seedling emergence

- The dual-action technology outperforms traditional pre-emergent herbicides, which rely only on dispensing a thin herbicide layer at the soil surface to block weed emergence.
- By distributing Perform 3G's active ingredients throughout a larger volume of soil, rather than concentrating them solely on the soil surface, turf safety is also significantly enhanced.

Why Perform 3G Is Uniquely Competitive

	Perform 3G	Market Leaders ¹
	Dual	Single
Weed control mechanism	<ol style="list-style-type: none"> 1. Inhibits weed seed germination within the top 0-8 cm of soil 2. Prevents weed seedling emergence at the soil surface 	<ol style="list-style-type: none"> 1. Prevents weed seedling emergence at the soil surface
Number of weeds controlled	~100	19 – 74
1 application, >90% control of key weeds, lasting 7-8 months	Yes	No None delivers >90% control lasting 7-8 months for claimed weeds with a single application
Cost to control key winter weeds	\$246/ha	\$270 – \$3,713/ha
Cost to control key summer weeds	\$246/ha	\$270 – \$7,480/ha

¹ Market leaders: Andersons Goosegrass/Crabgrass, Oxadiazon 2G (Ronstar[®] G), Specticle[®] FLO, Barricade[®] 4FL, BENSUMEC[™] 4 LF, Dimension[®] 2EW, Pendulum[®] 3.3 EC + Tower[®], Pendulum[®] 3.3 EC, and Surflan[®] A.S.

0-8 Anchoring technology delivers unprecedented safety and efficacy



March 26, 2018:

The ryegrass-overseeded green was tested for safety by applying 2, 3, ..., and up to 8 times the standard dose of Perform 3G, as indicated by the white markers above.

The dormant Bermudagrass outside the green was treated once with the standard dose of Perform 3G.

April 12, 2018 (17 days after application):

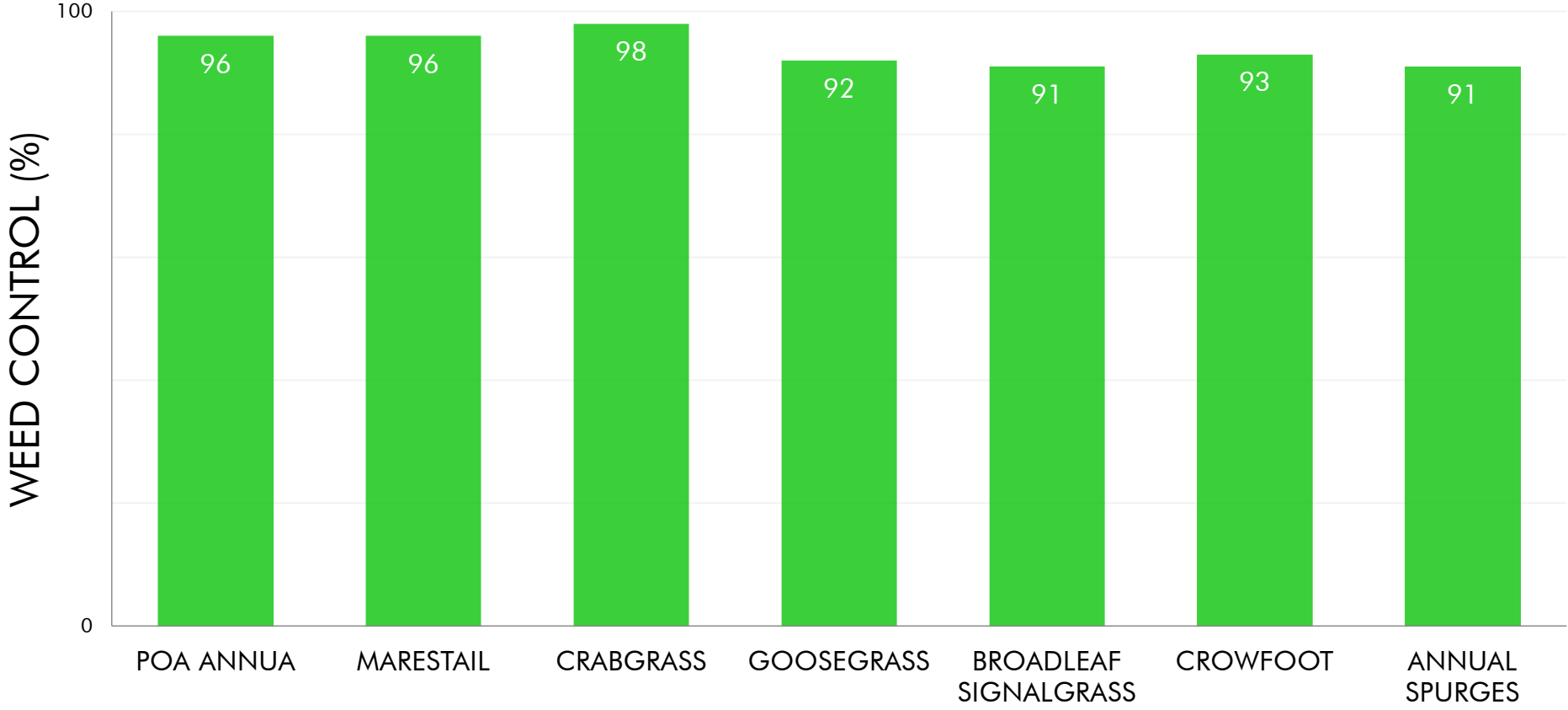
The overseeded green showed no signs of phytotoxicity.

No delay in re-emergence of the Bermudagrass outside the green.

May 28, 2018 (63 days after application):

Treatment areas remained uniformly green, healthy, and weed-free.

0-8 Anchoring technology provides better and longer weed control



Perform 3G Pre-emergent Control of Key Weeds

180-210 DAYS AFTER TREATMENT








































Perform 3G: A single application in August controls *Poa annua* through March

Pre-emergent Herbicide	Tolerant Turfs	Total Cost/ha	Applications Required for >90% Control of <i>Poa annua</i>								Total Labor Cost/ha
			Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Perform 3G	14	\$246									
Bensumec 4LF	9	\$2156									
Barricade 4FL	13	\$385									
Oxadiazon 2G (Ronstar G)	6	\$3713									
Specticle FLO	6	\$592									
Dimension 2EW	14	\$475									
Pendulum 3.3 EC + Tower	11	\$611									
Pendulum 3.3 EC	11	\$296									
Surflan	7	\$270									

Notes:

- (1) In addition to *Poa annua*, Perform 3G delivers exceptional performance against other troublesome winter weeds. Please contact us to learn more.
- (2) The application timing and duration of weed control are based on weather conditions similar to those in New York City, USA. If your local climate differs significantly, please contact us for the relevant application timing and performance data.

Perform 3G: A single application in February delivers >90% control of spring and summer weeds through September

Pre-emergent Herbicide	Tolerant Turfs	Total Cost/ha	Applications Required for >90% Control of Crabgrass and Goosegrass							Total Labor Cost/ha
			Feb	Mar	Apr	May	Jun	Jul	Aug	
Perform 3G	14	\$246								
Bensumec 4LF	9	\$2156								
Barricade 4FL	13	\$385								
Andersons Goosegrass/Crabgrass	6	\$7480								
Oxadiazon 2G (Ronstar G)	6	\$3713								
Specticle FLO	6	\$592								
Dimension 2EW	14	\$475								
Pendulum 3.3 EC + Tower	11	\$611								
Pendulum 3.3 EC	11	\$296								
Surflan	7	\$270								

Notes:

- (1) In addition to crabgrass and goosegrass, Perform 3G delivers exceptional performance against other troublesome spring & summer weeds. Please contact us to learn more.
- (2) The application timing and duration of weed control are based on weather conditions similar to those in New York City, USA. If your local climate differs significantly, please contact us for the relevant application timing and performance data.

Pair Perform 3G with HiCap's post-emergent solutions for bulletproof, year-round, full-spectrum weeds control:

PAIR PERFORM 3G WITH

EXQUISITE

FOR WINTER WEEDS

Exquisite delivers 90-100% control of *Poa annua* with a single application and is safe for both warm- and cool-season turfs.

Perform 3G + Exquisite delivers comprehensive protection against *Poa annua* for the entire season.

PAIR PERFORM 3G WITH

KOMMAND

FOR SUMMER WEEDS

Kommand delivers >99% control of crabgrass and goosegrass with a single application and is safe for select warm- and cool-season turfs.

Perform 3G + Kommand eliminates crabgrass and goosegrass for the entire season.