

## GENERAL INSTRUCTIONS:

SHORTSTOP is a suspension concentrate formulation for spray application after dilution with water. Apply to dry or wet turf and water in immediately with 4-6mm of sprinkler irrigation. The degree of annual poa control will be influenced by application rate as well as the turf management practices, climate, soil type, grass variety and annual poa biotype. Growth of annual poa will be reduced 1-2 weeks after application. Higher application rates will cause annual poa to discolour (yellow to brown) and stop or slow its growth allowing desirable turf species to dominate. Application 1-2 weeks prior to annual poa seed-head emergence will reduce its visibility but not its formation. Repeat applications 4-8 weeks apart (depending on rate) are required where annual poa content is high (see Critical Comments for restrictions). Overseeding is recommended to hasten the conversion from annual poa grass to more desirable grasses. To avoid stunting the growth of desirable seedlings, allow at least 14 days after treatment before overseeding, and in newly overseeded areas, make treatments at least 6 weeks after overseeding. On new grass plantings delay application until after establishment. Delay planting grass seed until after heavy rain or watering and not sooner than 1 month after application.

**MIXING:** Add the required quantity of SHORTSTOP to water in the spray tank and mix thoroughly.

**APPLICATION:** Apply SHORTSTOP with well maintained, accurately calibrated boom sprayer fitted with flat fan nozzles and calibrated to apply sufficient spray mixture per hectare to cover the foliage well without causing run-off. Volumes between 400-800 L/ha are suitable. Even application is essential. Avoid double application at boom edges to maintain uniformity in turfgrass response. High pressures are not required and should not be used to avoid drift onto non-target plants such as garden beds, shrubs and trees. Spray pressures of 150-200 kpa are sufficient.

**COMPATIBILITY:** SHORTSTOP should not be used in conjunction with sterol inhibitor (SI) fungicides or with dimethylation inhibitor (DMI) fungicides. A seven (7) day window should separate fungicide applications and the use of SHORTSTOP.

**SURFACTANTS:** SHORTSTOP contains a surfactant and additional surfactant is not recommended.

**RE-ENTRY PERIOD:** Do not allow re-entry into treated areas until the spray has dried. When prior entry is necessary, wear protective footwear.

**SPILLAGE:** Wear appropriate protective clothing. Shovel or sweep up and dispose of waste safely in an approved landfill.

**DISPOSAL OF CONTAINER:** Triple rinse empty container and add rinsate to spray tank. Burn, if circumstances, especially wind direction permit, otherwise bury in an approved landfill. Do not reuse container. Dispose of this product only by using according to label directions. Always follow local authority requirements.

## POISON

KEEP OUT OF REACH OF CHILDREN  
READ SAFETY DIRECTIONS BEFORE OPENING OR USING



# SHORTstop® 200SC

ACTIVE CONSTITUENT: 200 g/L PACLOBUTRAZOL

For the suppression of *Poa annua* (Winter grass)  
and growth regulation in turf

## 2.5 Litres

PLANT PROTECTION  
TURF GROWTH REGULATOR

## NOTICE TO BUYER:

Careful tests have proved that the product is suitable for the recommended purposes when used in accordance with our instructions. However, since storage and use of product are beyond our control, we do not therefore accept any liability for damage or loss of efficacy which may result from the use of this product, whether used in accordance with the directions or not. We are liable for a consistent quality of the product, but the risk of its storage and use is not borne by us.

## READ LABEL BEFORE MIXING OR APPLYING

### HARMFUL:

May be harmful if swallowed, inhaled or absorbed through the skin. May cause mild irritation and eye irritation. May cause reproductive/development damage from repeated oral exposure. May cause organ damage from repeated oral exposure at high doses.

Harmful to terrestrial vertebrates. Do not allow spray drift outside the target area.

### PRECAUTIONS:

Keep out of reach of children.

Avoid skin and eye contact.

Avoid breathing concentrate or spray mist.

Do not eat, drink or smoke while using.

When mixing or applying wear waterproof gloves, hat, safety goggles, overalls and footwear. Wash hands and face before meals and after work.

Store in original container, tightly closed and under lock and key.

Do not store with Class 1, 2, 3.2, 4 or 5 substances or feed, seeds or foodstuffs.

### FIRST AID:

If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766) or a doctor immediately. If spilt on skin, remove contaminated clothing and wash affected areas of skin. DO NOT SCRUB THE SKIN. If concentrate is splashed in eyes, flush with running water for at least 15 minutes. Take to hospital without delay. If inhaled, remove to fresh air. Take to hospital without delay.

Distributed in New Zealand by Living Turf NZ, 24D Allright Pl, Mt Wellington  
PO Box 18001, Glen Innes, Auckland  
Tel: 0800 428 268 Email: [servicenz@livingturf.com](mailto:servicenz@livingturf.com)  
[www.livingturf.co.nz](http://www.livingturf.co.nz)

### Batch No.:

### Date of Manufacture:

## DIRECTIONS FOR USE

**DO NOT** apply when daytime temperatures are consistently above 32°C or when grasses are stressed from heat, cold or lack of moisture.

**DO NOT** apply when soils are saturated (waterlogged) as fixing onto the soil will not occur and the product may move away from treated areas especially if heavy rainfall or irrigation follows application.

**DO NOT** apply when turf has been thinned from disease or insect infestation or damaged from aeration or scarifying – wait until recovery has occurred.

**DO NOT** apply to overseeded areas until after establishment and then only use the lower rates until recovery has occurred.

**DO NOT** scarify and topdress greens whilst annual poa grass is undergoing growth regulation.

### This product must not be:

- (a) used on plants that are intended to produce food for consumption by humans or animals; and
- (b) applied to areas that may be grazed by food-producing animals.

SITUATION	TARGET	RATE	CRITICAL COMMENTS
Bent grass, ryegrass, couch grass (not hybrid couch) turfgrass	Annual poa ( <i>Poa annua</i> ) suppression and long term control	2.0-2.8 L/ha (20-28 mL/100 m <sup>2</sup> )	Use the lower rate when the percentage of annual poa in the turf is so high that the resultant yellowing and retardation would be too extensive to be acceptable. Otherwise use the higher rate. Do not apply more than 2 Spring or 1 Autumn application. Continue normal cultural practices after application.
Bent grass, ryegrass, annual poa turfgrass	Growth regulation – decrease in vertical height, enhanced greening and quality	0.5-2 L/ha (5-20 mL/100 m <sup>2</sup> )	Apply the 0.5 L/ha rate at 2-4 week intervals or the 1-2 L/ha rate at 4-8 week intervals. Use only the low rate (0.5 L/ha on winter grass. Continue normal cultural practices after application rate at 4-8 week intervals.