

KEEP OUT OF REACH OF CHILDREN

SHAKE WELL BEFORE USE

NOT TO BE APPLIED TO AREAS GRAZED BY ANIMALS

biostart®

BioShield® LAWN CARE

Biological agent for control
of New Zealand grass grub
(*Costelytra giveni*)

For home lawn use only

Active ingredient: Contains a minimum of 4×10^{10} cfu/mL
Serratia entomophila (strain 626) in the form of a suspension concentrate.
Approved pursuant to HSNO Act 1996, Approval code: HSR000001
See www.epa.govt.nz for approval conditions.



Store under refrigeration
at 4°C out of sunlight

net
contents **1 L**

Made in New Zealand

BioStart BioShield® Lawn Care is a biological agent for controlling New Zealand grass grub (*Costelytra giveni*). Use BioShield® Lawn Care to prevent a build-up of grass grub numbers. BioShield® Lawn Care starts a disease cycle in grass grub larvae that leads to a population decline thereby reducing the damage caused by the larvae. It does not affect humans, animals or any other insects.

General Information: BioShield® Lawn Care contains a naturally occurring soil bacterium (*Serratia entomophila*) that causes amber disease in the New Zealand grass grub. When BioShield® Lawn Care is ingested by the grass grub larvae they stop feeding within 2-3 days. Death of the infected, non-feeding larvae may take 1-2 months to occur. Diseased larvae are characterised by a clear gut giving them an amber appearance. The dead grass grub larvae may not be visible as they disappear by natural decay processes.

DIRECTIONS FOR USE:

User Rate	Application	Application Timing
Apply BioShield® Lawn Care at 1 mL/m² as a surface application.	Dilute BioShield® Lawn Care at 10mL/L of clean water prior to application; use 1 L of diluted spray to treat 10 m ² of lawn. Apply via a knapsack sprayer and water the lawn after application for 15 minutes. Apply within 4 hours of mixing.	Apply to actively feeding grass grub larvae between February and April . Call BioStart 0800 116 229 for more information.

NOTE: BioShield® Lawn Care works best when the **population density is between 100 and 300 larvae/m²**. Application to very high larvae populations will not prevent all lawn damage in the season of application. BioShield® Lawn Care will start a cycle of disease in the grass grubs that will lead to a population decline. After applying BioShield Lawn Care do not heavy roll or apply other insecticide treatments to your lawn as this will reduce the effectiveness of BioShield® Lawn Care.
This product must not be used on plants that are intended to produce food for consumption by humans or animals. This product must not be applied to areas that may be grazed by food-producing animals. BioShield® Lawn Care must not be applied directly on to or into water.

Compatibility: Call BioStart 0800 116 229 for a compatibility list.

Precautions: Avoid skin contact and inhalation of spray mist. Wash hands and exposed skin before meals and after work. Store in original packaging, tightly-closed away from children. Do not store diluted product.

Disposal of containers: Triple rinse container and return to an approved AgRecovery recycling centre.

Storage: Store under refrigeration (4°C) at all times prior to application. Once the bottle is opened use within 24 hours. Exposure to sunlight or warm temperatures will reduce viability. Keep out of each of children.

Resistance management: BioShield® Lawn Care contains *Serratia entomophila* strain 626 and is part of the FRAC BM 02 group that consists of Biologicals with multiple modes of action (MOA). The BM 02 category was established by FRAC to accommodate a wide range of microbes with multiple modes of action that are not known to produce resistance issues and have a low risk of producing resistance. BioShield Lawn Care will assist in managing biopesticide resistance provided it is used strictly in accordance with the label instructions.

FIRST AID MEASURES

EYES: If liquid comes into contact with eyes, wash eyes with fresh water.
SKIN: Wash affected areas thoroughly with water (and soap if possible). Seek medical attention in the event of irritation.



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