

Protect turf health package



agrovista
amenity



This 5l container recycles 77 batteries and saves 4kg of CO₂e from the atmosphere

Product	Pack contains	Application rate	Water rate
Bullet Calcium Phosphite	2 x 5l	10l/ha	300l/ha
Bullet Recharge	1 x 5l	5l/ha	
Green Lawngr® TR	2 x 1l	2l/ha	

Protect turf health package

A tank mix combination bringing together the biostimulant, effects of calcium phosphite, and Green Lawngr® TR to strengthen the grass against disease attack, promote recovery and presentation; an economic solution as part of an ongoing IPM programme.

Package treats: 1ha

Phosphonate formulations

All phosphonate formulations, whether potassium phosphite or fosetyl-AI, are broken down into phosphite ions (H₂PO₃⁻) acid and once in the plant g/g they are equally bioactive.

Trials to determine whether products made with potassium phosphite or fosetyl-AI have the greatest influence on turf have shown little difference in response, regardless of the active ingredient or formulation.

Bullet Calcium Phosphite

A stabilised 50% calcium phosphite foliar applied suspension concentrate formulation supporting nutrient uptake and utilisation from the soil. It is pH buffered with a high level of tank mix compatibility designed to minimise a loss of activity.

Calcium phosphite is stable within plant cells with the phosphite component known to promote beneficial structural and metabolic processes such as nutrient assimilation, gene activation and enzyme synthesis. Calcium promotes enhanced primary cell wall integrity and tolerance to abiotic stress.

Stabilised calcium phosphite

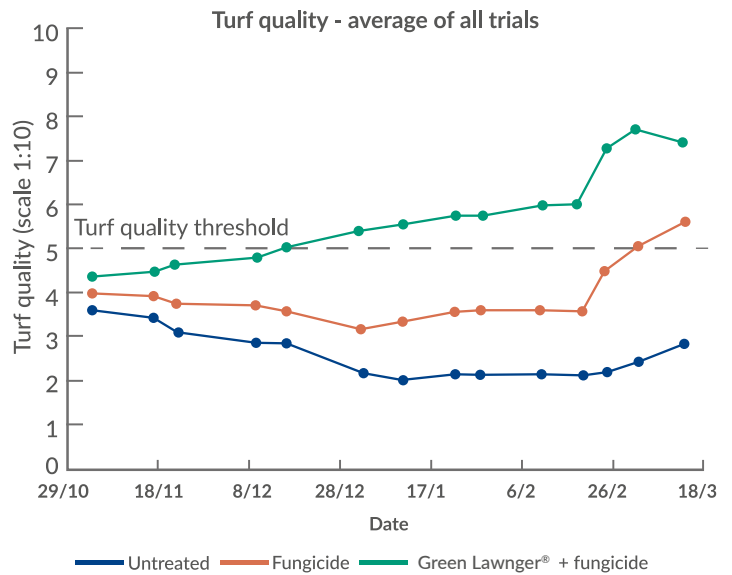
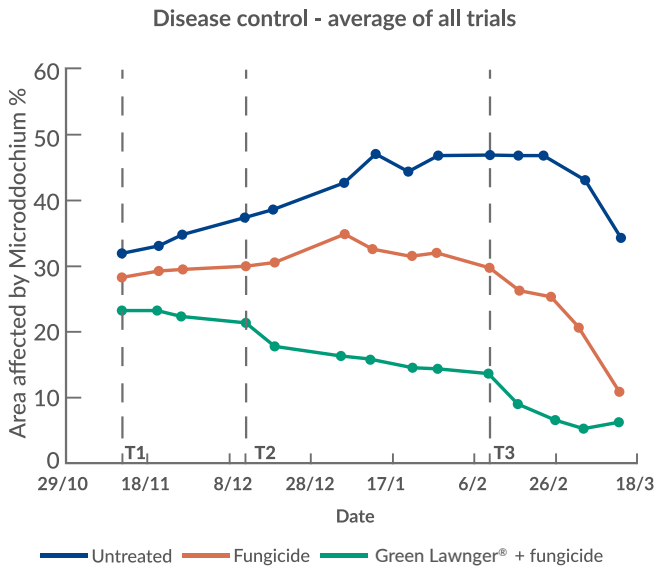
Once exposed to air potassium phosphite and fosetyl-A will begin to oxidise, gaining one extra oxygen atom to form phosphate (P₂O₅), leading to a loss of up to 40% in activity prior to application. Bullet Calcium Phosphite is a stabilised phosphite formulation and with reduced oxidation the application rate can be much lower. Once in the plant, all phosphite is stable, whatever the source. Also, the calcium content of Bullet Calcium Phosphite will not have an influence on the acidity value of the soil.

Phosphites combined with pigments

Green Lawngrer® TR is a unique pigment with colour lock technology, containing natural pigments. Standard spray pattern indicators contain dyes, however, unlike dyes, pigments increase the effects of solar radiation, which increases soil and surface temperature, creating a more desirable microclimate for growth. This in turn, increases the plants photosynthetic rate, also the plants metabolism in periods of slow growth, for instance, later autumn, winter and early spring.

STRI pigment plus fungicide trials

Trials were undertaken at the STRI to determine the efficacy of various fungicides with and without pigment, applied curatively to Microdochium patch affecting managed amenity turf. The trial was carried out over a four-month period with three curative treatments of fungicide being applied.



The availability of micronutrients, such as copper, zinc, manganese can all have a substantial impact on disease development...

Phosphite combined with micronutrients

The use of products containing micronutrients, such as copper, zinc, manganese can all help to deter disease development by playing a direct role in plant defences, either as reactive oxygen species (ROS) or directly as antimicrobial toxins.

Bullet Recharge

Bullet Recharge is a unique, sustainable, zinc, manganese formulation extracted from recycled alkaline batteries in a patented extraction process and includes copper from wires destined to be smelted. Each 5 litre container of this foliar liquid contains the equivalent of 77 recycled batteries. Its liquid formulation makes it an ideal tank mix partner for fungicides, turf health packages and fertilisers.

