Stress Aid BD

Plant Defence & Stress Signalling Technology for Professional Turf Management



PREPARE: Help turf prepare for stress before visible damage occurs.
PROTECT: Support natural plant defence systems during challenging conditions.
PERFORM: Maintain stronger turf quality under pressure.

Product Overview

Stress Aid BD is an advanced plant defence and stress signalling technology designed to help turfgrass withstand environmental pressure and recover faster from stress events.

Powered by 2,3-butanediol (BD) signalling technology, Stress Aid BD activates natural plant defence pathways to improve resilience, root performance, and turf quality under demanding conditions.

Stress Aid BD represents a modern approach to turf stress management – supporting plant resilience through advanced signalling technology and proactive plant health management.

Why Stress Aid BD?

Modern turf environments face constant pressure from various biotic and abiotic factors. These include heat stress, drought conditions, traffic and wear, recovery stress, environmental extremes and disease pressure associated with weakened turf.

Stress Aid BD helps turf prepare for these challenges before visible decline occurs.

Stress Aid BD

Formulated in Australia

Key Benefits

Stronger Turf Under Stress: Helps turf tolerate heat, drought, wear, and environmental pressure.

Enhanced Root Development: Supports improved root mass, density and strength..

Faster Recovery: Assists recovery following heat stress, drought, renovation, wear injury and biotic stresses.

Improved Turf Quality: Supports better turf density, improved consistency, reduced visual stress symptoms and stronger overall plant performance.

Preventative Plant Health Strategy: Ideal for integrated turf management programs focused on resilience and sustainability.

Mode of Action

Stress Aid BD works by stimulating the plant's own natural defence and stress response systems.

The 2,3-butanediol signalling technology helps activate:

> Jasmonic acid pathways.
> Ethylene signalling.
> Antioxidant activity.
> Induced systemic resistance (ISR).

This process helps turfgrass become more resilient under both abiotic and biotic stress.

Stress Aid BD – IDEAL APPLICATION TIMING

Stress Aid BD performs best when used proactively.

Recommended Timing

- Before summer heat periods
- During establishment and grow-in
- Recovery periods following environmental stress
- Prior to high traffic events
- During drought pressure

Use Rates & Label Recommendations

SITUATION	RATE	WATER VOLUME	CRITICAL COMMENTS
General turf health & growth	1 L/ha	200–800 L/ha	Apply every 2–4 weeks.
Stress management (heat, drought, wear) and root development	2 L/ha	400–800 L/ha	Apply prior to or during stress periods.
Recovery (renovation, biotic and abiotic stresses)	2 L/ha	400–1000 L/ha	Repeat at 14–21 day intervals.

Stress Aid BD is suitable for Golf courses, Sportsfields, Racecourses, Turf farms, Councils and parks, Landscape turf, High-performance turf systems.



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