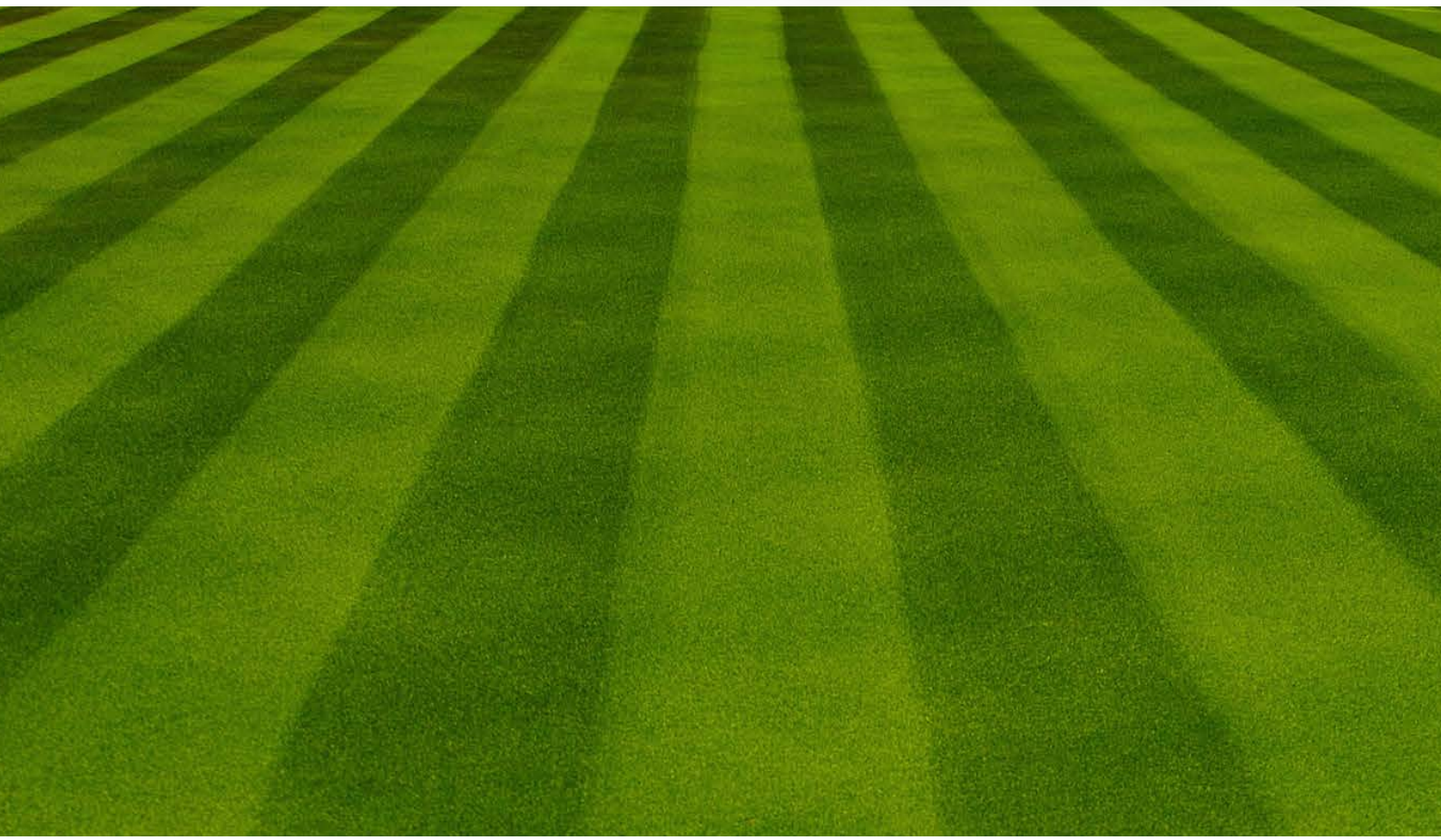
STAMINA®
RESCUE



NUTURF®
SPECIALISTS PROVIDING SOLUTIONS

STAMINA® RESCUE

Australia's number 1 curative soil surfactant for dry patch

What is STAMINA RESCUE?

STAMINA RESCUE is a premium soil surfactant blend, specifically designed to overcome hydrophobic soil situations. It contains two proprietary surfactant molecules which undertake the following roles;

1. High surface tension acting surfactant – Rapidly enhances soil wetting, overcoming the effects of hydrophobic soil conditions.
2. Heavier molecular weighted surfactant – Significantly enhances rewetting performance ensuring that hot spots stay wet, whilst reducing soil hydrophobicity.

In addition to the two surfactant molecules, STAMINA RESCUE also contains a unique blend of amino acids, humates and saponins that help restore damaged roots, enhancing water uptake into the plant, and as a result significantly improving plant recovery.

MAJOR BENEFITS of STAMINA RESCUE

- Premium formulation, specifically developed for curative treatment of dry patch.
- Proven performance.
- Biostimulant package included within the product, allowing for enhanced plant recovery.
- Manufactured and developed in Australia for Australian conditions.
- Non burn formulation – even in high temperatures.
- Effective in both sand and heavier soil profiles.

STAMINA RESCUE at a glance	
Formulation:	Blend of non ionic and anionic surfactants
Uses:	Curative control of dry patch
Rate:	25L/ha
Residual performance:	4 weeks
Potential for burn:	Non burn formulation
Pack sizes available:	10L, 200L, 1000L

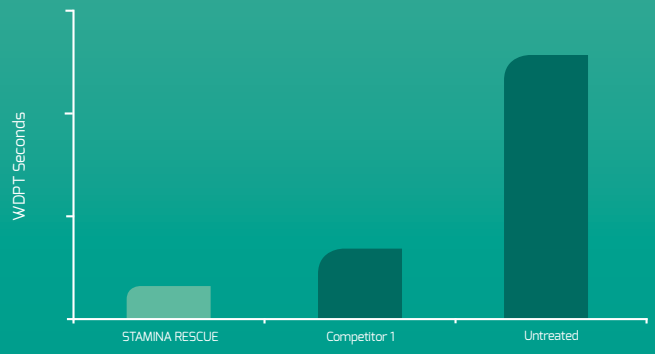
Application rate

Situation	Rate /100m²	Rate / Ha	Comments
Localised dry spot management (green, tees, fairways and sportsfields)	250mL	25L	Apply in no less than 400L/ha of water. Irrigation is not critical but is recommended to ensure rapid hydration of the profile. Repeat applications fortnightly and continued as required until recovery occurs. Nuturf highly recommended the use of Stamina® Balance if a preventative programme is desired.
Fairy ring management	250mL	25L	Apply STAMINA RESCUE to assist in re-wetting hydrophobic areas caused by the fairy ring fungi. STAMINA RESCUE can be applied in combination with tested soil targeted chemicals and fertilisers.
Dew control	250mL	25L	Application of STAMINA RESCUE on the day or one day prior to the event will help prevent dew formation. Application of STAMINA RESCUE at 500ml per 100m² every 7-10 days will be required for long term dew formation.
Post turf laying Application	250mL	25L	To enhance establishment, after laying sod apply STAMINA RESCUE to ensure even water movement into the soil bed.

STAMINA RESCUE Performance

Water Droplet Penetration Time (WDPT)

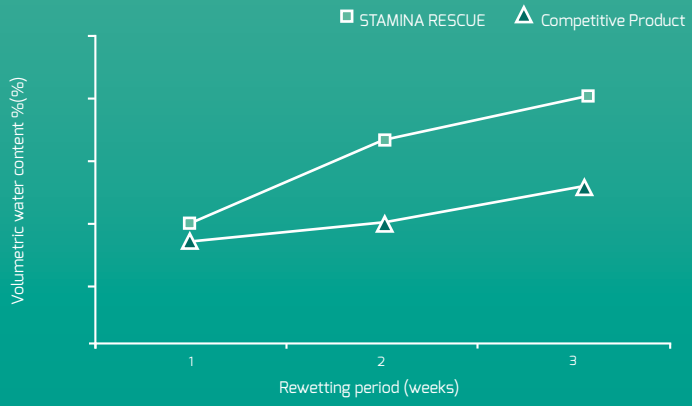
STAMINA RESCUE has the ability to overcome pre-existing hydrophobic areas by firstly moving water quickly into the soil profile. This will firstly allow plant uptake of water, quickly rehydrating the plant, whilst flushing the soil with water will assist in reversing hydrophobic conditions. The below results indicate that STAMINA RESCUE has excellent ability to reduce the cohesive forces of water, shearing droplets into smaller ones and allowing it to penetrate into the soil quickly. So much so, in repeated WDPT testing, STAMINA RESCUE continually proved superior in this attribute when compared to competitor curative surfactants.

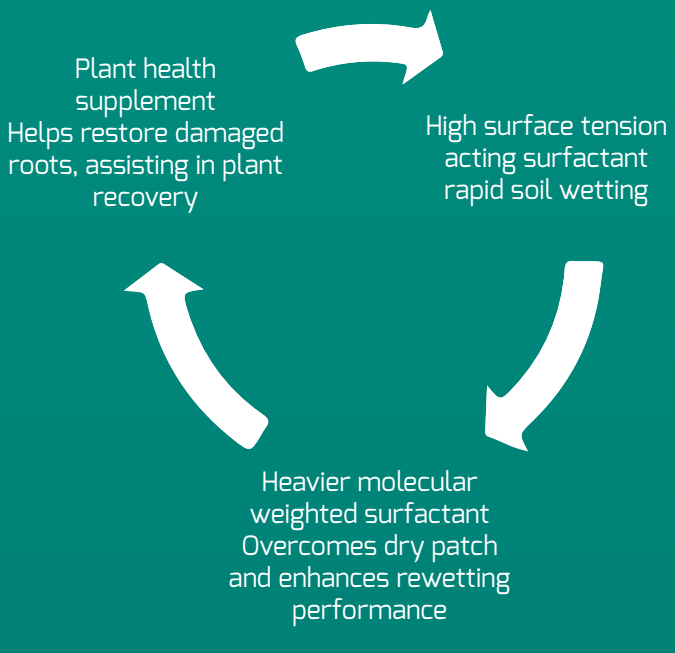


Rewetting capability

Rewetting ability of an extremely hard to wet substrate dried to 70°C.

The below graph outlines rewetting capability of STAMINA RESCUE versus a competitive product. An extremely hard to wet soil was used and it was maintained in an oven at 70°C for a period of three weeks. The surfactants were applied at week 1 and were not applied again. Results indicate that STAMINA RESCUE has a superior rewetting capability over other products in the market.





Plant health supplement

- ✓ Amino acids are directly related to stress physiology and thus have a recovering effect, especially after drought stress.
- ✓ Amino acids help stomates to remain open for longer allowing for gaseous exchange to occur, kickstarting normal plant functions after stress events.
- ✓ Amino acids have a chelating effect on micronutrients, ensuring improved transportation and metabolism. As a result, in stressed turf, utilisation of micro-nutrients will be enhanced.
- ✓ Saponins have been shown to form anti-fungal compounds and may assist in reducing disease activity in moisture stressed plants.
- ✓ Humates assist in root development, ensuring that damaged roots recover or new roots are initiated to take over from decaying ones.
- ✓ Humates have shown to increase nitrogen, potassium, calcium, magnesium and phosphorus uptake into the plant. In stress periods optimising nutrient levels, will enhance the recovery effects.

STAMINA®
RESCUE

NUTURF®
SPECIALISTS PROVIDING SOLUTIONS

CONTACT YOUR LOCAL TERRITORY MANAGER OR CALL 1800 631 008.

www.nuturf.com.au