



# HydroForce Advance

Premium Soil Surfactant Blend for Professional Turf

Formulated in Australia



## Product Overview

HydroForce Advance is a premium soil surfactant blend, specifically designed to maximise water usage and availability in sand based root zones.

The key to HydroForce Advance's performance characteristics is its unique combination of powerful, highest quality surfactant technologies fulfilling different roles in the water management processes.

<b>Reverse Block Co-Polymer</b>	Significantly improves water retention, in sand based root zones. Enhances depth and uniformity of wetting.
<b>Alkyl-Polyglycoside based Surfactant</b>	Ensures initial water penetration and maximises water availability to the plant.
<b>Straight Block Co-Polymer Molecule</b>	Provides residual activity, rewetting performance and overcomes soil hydrophobicity.

## Key Features

- > Premium formulation, specifically developed for sand based root zones.
- > Effective on heavier soil profiles as well, particularly by improving uniformity of wetting.
- > A unique blend of three high quality, powerful surfactants, all fulfilling specific roles to improve water management processes in the soil.
- > 100% concentration of surfactant. Maximises molecule output and performance.
- > Non burn formulation, even at high temperatures.
- > Flexibility in rate, dependent upon intensity of use.
- > Manufactured and developed in Australia for the harshest of climatic conditions.
- > HydroForce Advance is available in 10L, 20L, 200L and 1,000L pack sizes for convenience and ease of use in every situation.



## Unique Delivery System

Australian research has proven that HydroForce Advance has exceptional rapid initial wetting qualities. Quick movement of water into the profile reduces the impact of evaporative forces and runoff, enhancing the volume of water reaching the rootzone. Replicated Water Droplet Penetration assessments on an extremely hydrophobic sand has demonstrated that HydroForce Advance provides faster movement of water into the soil than competitive products.

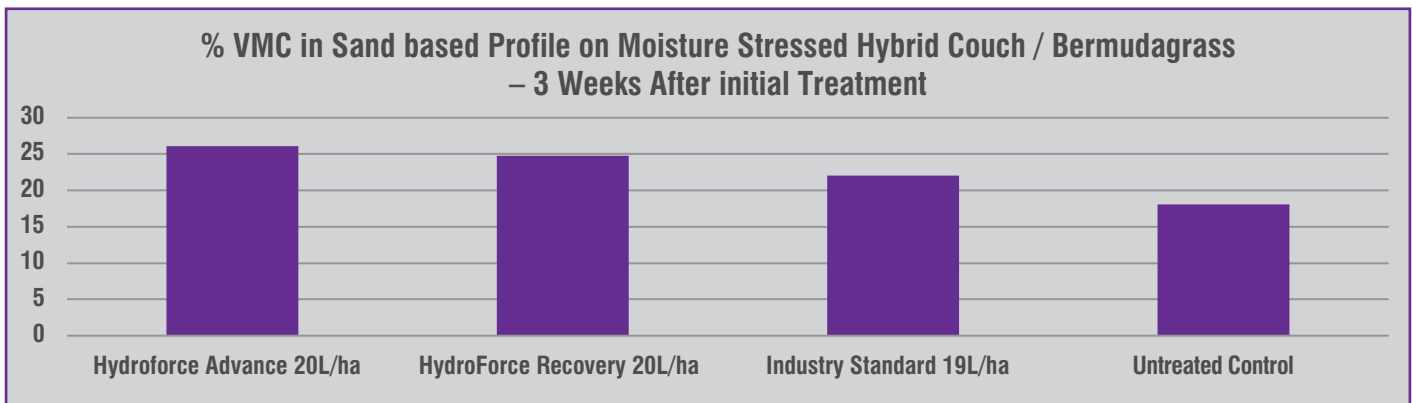
Testing conducted by G-Censeo Research (Independent research organisation).



Treatment & Concentration	Replicate (WDPT* seconds)					Average
	1	2	3	4	5	
HydroForce Advanced 4000ppm	instant	instant	instant	instant	instant	0.00
Primer Select 4000ppm	0.5	2.2	2.2	1.7		
AquiMaxx 4000ppm	2	2	4	5	7	4
Untreated Control	141	46	166	241	245	167.8

\*WDPT – Water droplet penetration time: Seconds required to penetrate a highly hydrophobic sand.

## Improved Moisture Retention



## HydroForce Advance – Application Details

Situation	Application Interval	Rate per 100m <sup>2</sup>	Rate per hectare	Comments
Preventative application of localised dry spot (sand based rootzones)	2 weeks	100mL	10L	Apply in no less than 400L/ha of water. Irrigation is not critical but is recommended to ensure product effectiveness. Repeat treatments at the desired application frequency.
	4 weeks	200mL	20L	
	6 weeks	300mL	30L	
Preventative application of localised dry spot (heavier textured soils)	2 weeks	75 – 100mL	7.5 – 10L	Apply in no less than 400L/ha of water. Irrigation is not critical but is recommended to ensure product effectiveness. Repeat treatments at the desired application frequency.
	4 weeks	150 – 200mL	15 – 20L	
	6 weeks	225 – 300mL	22.5 – 30L	