

# STAMINA<sup>®</sup> SYMMETRY



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**STAMINA<sup>®</sup>**  
**SYMMETRY**

# STAMINA<sup>®</sup> SYMMETRY

Stamina<sup>®</sup> Symmetry introduces a new generation of surfactant molecules specifically designed to provide adequate moisture to the plant when needed whilst maintaining high levels of soil oxygen. Stamina<sup>®</sup> Symmetry is recommended for use on fine turf surfaces or where turf is subjected to the demands of high end use such as golf greens and other surfaces where firmness is desired.

## What is Symmetry?

Stamina Symmetry introduces a 100% non-ionic surfactant from BASF which is only available to Amgrow in Australia.

Stamina Symmetry moves differently to other surfactants through its positioning, moving more laterally and sitting higher in the profile compared to other block co-polymers.

The combination of the methyl caps (CH<sub>3</sub>) in conjunction with traditional retentive properties along the molecule means that Stamina Symmetry provides an even proportion of oxygen and moisture within the profile. Therefore, when combined with positioning higher in the profile, the results are firmer surfaces through increased oxygen levels and evenness in consistency of water content.

## STAMINA Symmetry Performance

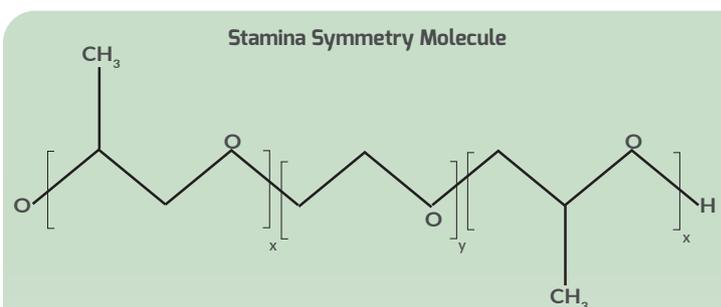


L-R: Control, Symmetry (18L per Ha), Revolution (18L per Ha)

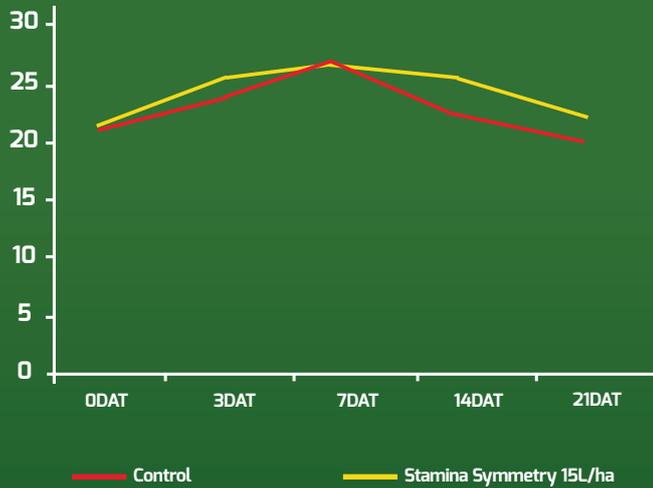
The unique action of the Stamina Symmetry molecule means the surfactant spreads more laterally in the profile compared to traditional surfactants which move more vertically. This ensures not just consistency across any surface that Symmetry is applied to but also means the lower rates can be applied. Stamina Symmetry sits higher in the profile by spreading more laterally at equivalent rates to Revolution™ (Aquatrols). This ensures consistency across any surface that Symmetry is applied to.

## Major benefits of STAMINA Symmetry

- New generation surfactant molecule backed by Nuturf and BASF
- 100% active leading technology formulation
- Excellent consistency in water content across the surface promoting higher oxygen levels
- Flexible rates lower than traditional surfactants
- Moves more laterally in the profile compared to traditional surfactants
- Non burn formulation
- Low foam properties
- Manufactured and developed in Australia for Australian conditions



### Consistency of water content with Stamina Symmetry



	ODAT	3DAT	7DAT	14DAT	21DAT
Control	22.7	24.7	28.1	22.7	19.8
Stamina Symmetry 15L/ha	22.7	26.2	27.8	26.4	22.4

Volumetric Water Content (%)

Traditional applications of water via irrigation or rainfall can lead to peaks in terms of excess water content as it assumes the place of oxygen in the profile. When applied at lower rates, Stamina Symmetry provided consistency in volumetric water content across a sand based profile. The consistency of water means a consistency of oxygen.

### Application rate

Situation	Rate /100m <sup>2</sup>	Rate / Ha	Comments
Boom application on fine turf and other sports turf areas.	150-180mL	15-18L	Apply in at least 500L of water per hectare. The use of nozzles that deliver a medium to coarse droplet is recommended. Appropriate irrigation is also recommended to be applied immediately following application to position the molecule at the desired rootzone depth. Use in a monthly programme or as desired.

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# STAMINA®



Stamina - Australia's leading choice of surfactants

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