

STAMINA[®] GREENS WDG



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A water dispersible granular surfactant for use in greens.

Stamina greens WDG a granular residual surfactant formulation specifically developed for use in fine turf situations such as golf greens, tees and surrounds, bowling greens, tennis courts and croquet lawns. Stamina greens WDG is unique in that the granular itself is water dispersible, hence once it has been applied to the turf surface, and irrigation undertaken, the granule will dissolve and disappear from the turf surface.

The Surfactants within the Stamina greens WDG are non-ionic, low burn, residual wetting agents which helps to alleviate and prevent problems associated with localised dry spot (LDS) in excess of eight weeks. There are two surfactants within the Stamina green WDG product.

- A penetrant surfactant, designed to provide rapid initial soil wetting performance.
- A residual soil surfactant, designed to overcome and prevent dry patch formation.

Major benefits of STAMINA Greens WDG

- **Low burn, WDG formulation that can be used in renovation activities and via topical maintenance applications.**
- **Relieves and prevents problems with hydrophobic soils for an extended period of time.**
- **Maximises uniformity of wetting through the soil profile.**
- **Enhances overall plant health and vigour, by limiting water stress and improving nutrient uptake.**
- **Ideal for use in renovation activities, particularly where organics are being used which can have hydrophobic characteristics.**
- **Reduces irrigation requirements during the renovation recovery phase.**
- **Manufactured and developed in Australia for Australian conditions.**



H₂O added



1 drop



2 drops



3 drops



4 drops



5 drops

Stamina Greens WDG at a glance	
Formulation:	0.5-1mm dispersible granule
Concentration:	15% Non ionic surfactant blend
Residual performance:	Up to 8 weeks
Potential for burn:	Non burn formulation
Rate:	150-300kg/ha
Pack sizes available	25kg

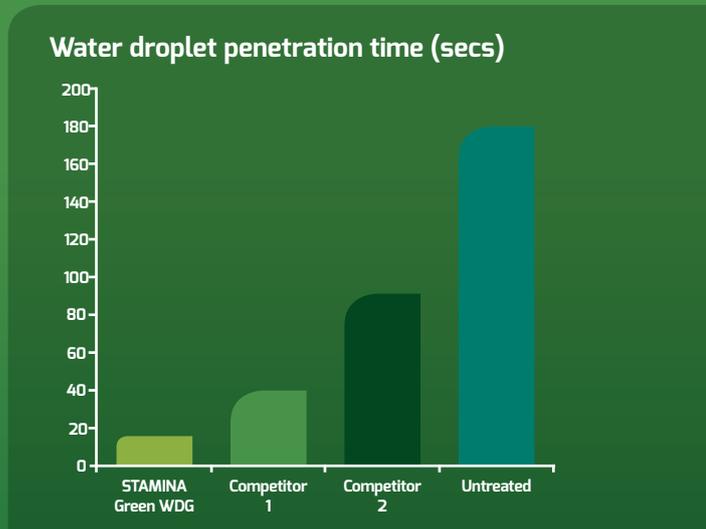


Using STAMINA greens WDG

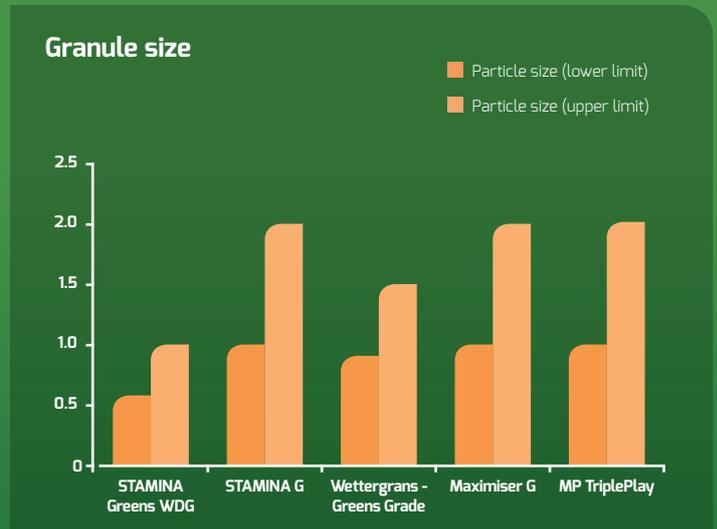
Stamina greens WDG works best when applied early in the season prior to moisture stress. However, it can be used curatively to relieve plant stress due to hydrophobic soils at any time during the year.



STAMINA Greens WDG Performance



10g of each Granular wetting agent was dissolved in 50ml of water, then water droplet penetration testing was performed on the same hydrophobic medium. Results are averages of three replicates. Results indicate that Stamina Greens WDG was superior in penetrating the hydrophobic medium, due to the penetrant surfactant it possesses within the formulation.



The above graph shows the granule size of all major granular surfactants currently on the market. Stamina Greens WDG is the smallest granular surfactant formulation currently available. As a result, Stamina greens WDG provides superior coverage, least mower pick up and movement through the thatch layer. This together with its ability to disperse with irrigation, unlike most other surfactant carriers, makes it the logical choice when choosing a granular surfactant option.

Carrier type and ability to disperse – comparison of granular surfactant formulations

Product	Carrier type	Dispersible granule
Stamina Greens WDG	Bentonite	Yes
Stamina G	Diatomite	No
Wettergrans – Greens Grade	Diatomaceous Earth / Zeolite	No
Maximiser G	Bentonite	Yes
MP TriplePlay	Adapulgitic Clay	No

Application rate

Situation	Application rate	Comments
Golf greens, tees and surrounds, bowling greens, tennis courts, croquet lawns	1.5kg – 3.0kg per 100m ² OR 150 – 300kg per ha	Spread uniformly over the turf surface. Apply to dry foliage and water soon after application with 3 mm of irrigation. Watering before mowing will prevent particle pick up from occurring.

Spreader settings

Application rate	Spreader	Setting	Central hole	Helical cone
1.5kg per 100m ²	Lesco Calibration Gauge	12	100mm	-
	Scotts	H	-	9
3.0kg per 100m ²	Lesco Calibration	22	17mm	-
	Scotts	J	-	9

These settings are only approximate. Application speed, age and condition of spreader can cause wide variation. Be sure to calibrate your spreader before application. Settings based upon overlap.

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