

STAMINA[®] DEWSTAR



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The answer to dew issues in turf management

Why does dew form on turf?

Dew is deposit of waterdrops formed at night by the condensation of water vapour from the air onto the surfaces of turfgrass. It forms on clear nights when the air is calm or when the wind is light. Dew falls are heaviest in the late autumn and winter months and are capable of persisting most of the day. Water volumes of between 1000 and 4000L/ha are typically produced in a single dew event.

What is STAMINA DEWSTAR?

STAMINA DEWSTAR is a concentrated, organosilicone based surfactant containing a unique blend of various non-ionic polymers that are highly effective in suppressing Dew formation on turf swards. Known as a "Super Spreader", the **STAMINA DEWSTAR** molecule is a highly efficient surfactant in reducing the surface tension of water droplets, significantly more so than other wetting agents.



How does STAMINA DEWSTAR influence dew formation?

STAMINA DEWSTAR reduces the surface tension of dew on the leaf blade, effectively decreasing the surface angle of dew droplets, spreading dew over a larger area of leaf mass. Dew formation is not prevented as such when **STAMINA DEWSTAR** is applied, but the droplets of water that interfere with sportsturf are dispersed, reducing the water droplet concentration on the leaf material, ensuring that a large proportion runs off into the soil. As a result, dew formation is prevented and it can no longer have an influence upon sporting events.

Major benefits of STAMINA DEWSTAR

- **100% surfactant blend.**
- **Non burn formulation.**
- **Ideal for use to assist in reducing Sulfonylurea Herbicide tracking onto cool season greens.**
- **Ideal product for use prior to major tournaments.**
- **Highly efficient in suppressing dew formation.**
- **Reduces the need for dew poles.**
- **Can assist in disease management, particularly for Dollar Spot and Pythium.**
- **Tank mix flexible. Can be combined with most insecticides and fungicides.**
- **Manufactured in Australia.**

STAMINA DEWSTAR at a glance

Formulation:	100% blend of organosilicone based polymers.
Uses:	Dew suppression and penetrant
Residual performance:	5 days
Rate:	5L/ha
Potential for burn:	Non burn formulation
Pack sizes available:	5L



Use prior to major events

STAMINA DEWSTAR is ideal for use prior to major events or night sporting fixtures to improve presentation and enhance playability of the turf surface. To achieve best results, the product should be applied the day before dew control is required and after a mowing event. Dew control will persist for up to 5 days. After this time, another treatment is required to extend dew protection further. Best results of using **STAMINA DEWSTAR** will be yielded between the months of March to September.

Dew management and assistance in disease management

Removing dew or guttation water from turf leaves is an important cultural control activity in limiting spread of key turf diseases including Dollar Spot and Pythium. **STAMINA DEWSTAR** provides a useful tool in undertaking this task, reducing the need for dew poles. In addition to this, **STAMINA DEWSTAR** is highly compatible with all key turf fungicides making it a useful tank mix partner when managing persistent dollar spot or other turf disease issues.

Application rate

Situation	Rate /100m ²	Rate / Ha	Comments
Sportsturf	50mL	5L	Apply the product in 1000L of water/ha. Ideally the product should be applied the day before dew control is required. Dew control will persist for up to 5 days. After this time, another treatment is required.

Dew management and assistance in preventing tracking of Sulfonylurea herbicides

Removing dew for 2-3 days following an application of a Sulfonylurea herbicide to golf course fairways or higher cut situations is key to limit the potential of tracking onto cool season grass greens. Sulfonylurea herbicides are generally thought to have the potential to re-solubilise with the onset of a dew event within the first few days following an application. Irrigation can be used to also remove the dew formation prior to users of the golf course trafficking sprayed areas, however generally issues occur with irrigation uniformity and the cost of irrigation water when the golf course may not require it could be problematic. **STAMINA DEWSTAR** represents an easier option in managing tracking issues in golf course situations providing protection for up to 5 days. **STAMINA DEWSTAR** should be applied the day before the Sulfonylurea herbicide application is undertaken. In addition to this, **STAMINA DEWSTAR** is compatible with most Sulfonylurea herbicides and could be tank mixed with the application of the product if required.



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