

# AQUAZONE

**Aquazone™** is a 100% active (no diluents as supplied) non-ionic wetting agent developed for use on sports turf to prevent localised dry patch (LDP) and give additional benefits in relation to the use and action of water.

Aquazone is a high quality product giving reliable performance at an exceptional price.

LDP can arise from hydrophobic soil conditions which may in turn arise from plant breakdown material, animal sources, fungi and critically low soil moisture content. Hydrophobic soils can inhibit even distribution of water in the soil profile, denying grass roots an adequate supply of water, water soluble nutrients and applied treatments.

### Mode of Action

Aquazone works by lowering the interfacial tension between water and other substrates (specifically soil constituents and grass roots) – this enables contact angles to be reduced and water to spread out laterally through the soil profile and flow into areas that were previously water repellent.

### Benefits and Features

- Treatment and preventative for localise dry patch
- Non-phytotoxic at use concentrations
- Non-scorch formula
- Excellent tank mix compatibility
- Potential to reduce water consumption where no turf wetter is currently used
- Assists in maximising the effectiveness of a range of soil chemicals and fertilisers



*Please see the wetting agent introductory information for a fuller list of benefits of wetting agents.*

### Properties:

<b>Appearance</b>	Clear viscous liquid (hazy at low temp)
<b>Solidification point</b>	Below minus 10°C
<b>Viscosity</b>	500cP at 20°C
<b>Surface tension</b>	36 dynes/cm (3.5% solution in water)
<b>Maximum solubility</b>	12-15% over typical temperature range
<b>Foam</b>	Low
<b>Biodegradability (OECD 901B test)</b>	Readily

### Application

Aquazone must be diluted in water prior to spray application. Aquazone should be added to water rather than water added to Aquazone – this avoids potential for gel phases to form.

Aquazone has widespread tank mix compatibility, however a jar test should be conducted first. Speak to your technical sales contact for any advice.

### Monthly application – March/April until September/October:

Zone	Aquazone	Water Volume	Area	Notes
Greens/Tees/ Sports Pitches	20 litres (preferred) 15-20 litres under conditions of low drought stress	300-600 litres	1 hectare	Do not exceed a solution strength of 12% in water. Water in within 24/48 hours and before cutting to avoid reduced performance
Fairways	15-20 litres	300-600 litres	1 hectare	
Bowling Greens	3 litres	45-90 litres	1500m <sup>2</sup>	

### 90 day application – start March/April, repeat 90 days later:

Zone	Aquazone	Water Volume	Area	Notes
Greens/Tees/ Sports Pitches	50 litres (preferred)	450-900 litres	1 hectare	Do not exceed a solution strength of 12% in water. Water in within 24/48 hours and before cutting to avoid reduced performance
Fairways	25-50 litres	210-900 litres	1 hectare	
Bowling Greens	7.5 litres	45-135 litres	1500m <sup>2</sup>	

### Pack sizes available

5 litre, 20 litre, 120 litre, 200 litre drums, 1000 litre IBC