

Ultraflo Advance

Advanced, long-lasting, non-ionic wetting agent



ULTRAFLO ADVANCE

SUPERIOR NON-IONIC LONG TERM WETTING AGENT

Ultraflo Advance is a new and unique proprietary blend of soil active surfactants formulated for applications in professional turf management. Ultraflo Advance can be used on greens, tees, fairways, roughs, athletic fields, sports grounds, horticulture parks and residential lawns.

DIRECTIONS FOR USE

Always follow the **Suggested Use Rates** for the type of site and use intended. **Do not** mix in Ultraflo Advance with any other product when making applications. Ultraflo Advance provides optimal performance when applied early in the growing season prior to environmental conditions that produce plant stress.

APPLICATION RATES

Apply Ultraflo Advance at **25 or 50 litres per hectare (250 – 5000m² / 1000m²)**. Use the 10 litres/hectare rate if required, one application per season. If applying at 25 litres per hectare, use follow up applications of 10 litres per hectare per month.

The **Spot Rate Application** is generally recommended for optimal performance and to reduce the risk of temporary leaf tip discoloration when applied during hot, dry conditions.

The **Full Rate Application** provides user convenience in situations where cooler conditions prevail and/or substantial rainfall (at least 14" or more) is anticipated immediately following the application.

WATERING IN - Irrigate immediately after each application with 1/2" (12mm) of water to move product off leaf surfaces and into the root zone. Under hot and dry conditions, pre-wet turf with at least 1/10" (2.5mm) of water prior to application.

Full Rate - 50 L/ha in 1000 m² of water

	100m	200m	300m	400m	500m
Ultraflo Advance	0.5 ltr	1 ltr	1.5 ltr	2 ltr	2.5 ltr
Water	9.5 ltr	19 ltr	27.5 ltr	37 ltr	46.5 ltr

Spot Rate - 25 L/ha in 1000 m² of water

	100m	200m	300m	400m	500m
Ultraflo Advance	0.25 ml	0.5 ltr	0.75 ltr	1 ltr	1.25 ltr
Water	9.75 ltr	19.5 ltr	28.25 ltr	37 ltr	45.75 ltr

MIXING

For application by sprayer put into the spray tank three quarters of the water required. Measure the correct amount of concentrate and add to the spray tank. Rinse out the measure and add the mixture to the spray tank. Make up to the required volume with more water and agitate thoroughly.

STORAGE AND DISPOSAL

KEEP PRODUCT FROM FREEZING.

If product is spilled, contain and absorb with inert material - flush out container thoroughly and dispose of safely.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

Wash concentrate from skin or eyes immediately - Do not contaminate ponds, waterways or ditches with chemical or used container - Wash hands before meals and after work - avoid breathing vapour or spray if inhaled, move user to fresh air and seek medical attention.

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Ultraflo Advance is an advanced, long-lasting, non-ionic wetting agent designed to optimise moisture management in turfgrass. It combines a unique blend of Block Co Polymer surfactants to deliver superior wetting, penetration, and water conservation properties, ensuring enhanced turf health and performance across various weather conditions.



Key Features

- **2-in-1 Formulation:** A combined wetting agent and water conservation agent.
- **Long-lasting effectiveness:** Stays active throughout the growing season (depending on rate of application)
- **Reduces irrigation needs:** Cuts water requirements by up to 30%.
- **Dual action:** Works as both a preventative and curative treatment for dry patch and plant water stress symptoms.
- **Uniform wetting:** Ensures consistent moisture distribution across the rootzone.
- **Rootzone enhancement:** Improves water holding capacity across all types of rootzones.
- **Promotes deeper rooting:** Supports stronger, more resilient root systems.

Key Benefits

- **Optimised moisture management:** Ultraflo Advance enhances the management of water, moisture content, and air within the rootzone, ensuring uniform treatment of 100% of the soil particles.
- **Reduced water usage:** By improving water penetration and distribution, it helps reduce the need for frequent irrigation, promoting water conservation and improving water use efficiency.
- **Stress relief and drought management:** Provides an even moisture profile during dry periods, helping turfgrass remain healthy and resilient even under stress.
- **Enhanced turf quality:** Encourages deep rooting, which improves the overall structure and health of the turf.

Why Choose Ultraflo Advance?

- **Proven Performance:** Ideal for use in the maintenance of golf courses, sports pitches, and amenity turfgrass, Ultraflo Advance has a track record of success in overcoming drought stress and water repellency issues.
- **Efficient Water Use:** Its advanced formulation helps reduce the frequency of irrigation, leading to water savings and improved efficiency.
- **Year-round Application:** Although optimal from March to October, it can be applied at any time of year, offering flexibility in different growing conditions.

Formulation Analysis

Ultraflo Advance is based on Block Co Polymer surfactant technology, which ensures superior spreading and penetration. This technology facilitates uniform moisture distribution and reduces water runoff, ensuring more efficient irrigation and moisture retention. The surfactant blend binds strongly to soil particles, overcoming hydrophobic conditions and promoting deeper, healthier root systems.

Key Insights

- **Water Conservation:** The formulation binds to sand and soil particles, helping to manage water effectively throughout the growing season. This promotes sustained moisture retention and supports optimal plant growth during drought conditions.
- **Stress Reduction:** By mitigating the effects of water repellency and improving moisture availability to the roots, Ultraflo Advance helps alleviate stress on turfgrass, particularly during periods of high heat or water shortage.
- **Deeper Rooting:** Ultraflo Advance encourages roots to grow deeper into the soil profile, ensuring that plants have access to moisture at greater depths, even during dry spells.

Application Guidelines

Timing

Optimal Application Period: Ultraflo Advance can be applied from March to October, or whenever growing conditions necessitate. Early spring to autumn offers the best results, ensuring turfgrass receives continuous support throughout the growing season.

Method:

- **Application:** Ultraflo Advance is a liquid formulation that can be applied via standard sprayers or irrigation systems.
- **Watering In:** While not required, watering in the product after application can help enhance its effectiveness.

Application Rate:

- **Recommended Rate:** Apply at a rate of 20 litres per hectare in 600–800 litres of water.
- **Coverage:** Ensure even distribution across the area for optimal results.

