



Maximiser Push Through is a premium soil wetting agent with penetrant properties, specially designed and formulated for Turf areas.



Technical Brief

Active Ingredient:	100% Proprietary blend of specialty non-ionic surfactants with Premium Penetrant Properties.
Formulation:	Liquid
Mode of Action:	Maximiser Push Through has key ingredients that penetrate the moisture in the soil profile and root-zone, enabling turf managers to reduce moisture stress and dry patch (localised dry spot) and maintain consistent water penetration and distribution through the soil profile.

Benefits

- Gives water quick and even penetration to ensure limited evaporation and runoff losses.
- Ensures uniformed distribution, movement and availability of moisture/water in the root-zone, ensuring plant available moisture to promote uniform turf quality, root growth and root depth whilst improving nutrient availability and uptake.
- Alleviates problems associated with water repellency and dry patch (localised dry spot) from hydrophobic soils in all turf areas.
- Allows hydrophobic soils to be re-wet and prevent dry patch.

How to get the most out of your application

Maximiser Push Through is a highly effective premium penetrant that achieves exceptional penetration and spreading into hydrophobic thatch and soils. Maximiser Push Through will enable water to penetrate into any severely water repellent trouble spots and will maintain excellent turf vigor with regular application. Maximiser Push Through is designed for use on turf that is being maintained to a professional or commercial standard (i.e. Golf & Bowling Greens, Premium Sports Fields) and Broad-acre Turf areas (i.e. Golf Fairways, Sports Fields, Racetracks, Turf Farms, Reserves & Parks, Polo Fields, Cemeteries, Lawns, General Turf areas).

By using Maximiser Push Through turf managers will be able to maintain consistent water penetration/distribution through the soil profile.

Maximiser Push Through improves the penetration and infiltration of water (irrigation and rainfall) in the soil profile.

Soil science research has shown that organic coatings surrounding soil particles inhibit the infiltration of irrigation or rainfall. Hence during high heat stress or drought periods, turfgrass can suffer drought injury or death due to the lack of plant-available soil moisture.

Maximiser Push Through reduces the surface tension of the water molecule, improving the penetration and infiltration of applied irrigation water and rainfall.

Maximiser Push Through will enable water to move through the soil profile to be available to be taken up by turf in hard to penetrant soils. Maximiser Push Through will also enable water to penetrate into any severely water repellent trouble spots and will maintain excellent turf vigour with regular application.

Maximiser Push Through is designed for use on all professionally managed turf areas, examples of such turf areas are listed in the DIRECTIONS FOR USE table. For optimum turf quality, Maximiser Push Through should be used in conjunction with turf management practices that promote good turf health.

Mixing

Add the required quantity of Maximiser Push Through to water in the spray vat while stirring or with agitators in motion. If mixing Maximiser Push Through to help penetrate and incorporate other products into the soil profile evenly, add Maximiser Push Through to the spray vat last.

Compatibility

As formulations of other manufacturers' products are beyond the control of Turf Culture Pty Ltd, all mixtures should be tested prior to mixing commercial quantities.

Soil Wetting Management

Ground Application (i.e. boom spray, pedestrian application from tank)

Situation	Application Rate	Critical Comments
<p>Turf Management: Wet Areas during High Rainfall periods</p> <p>Golf Greens, Bowling Greens, Croquet Lawns, Tennis Courts, Golf Fairways, Sports Fields, Racetracks, Turf Farms, Maintained Lawns, General Turf areas</p> <p>i.e. High rainfall periods (winter-like conditions) to ease the problem of water holding in the top profile that causes excessive wear to turf.</p>	<p>1 L/ha</p> <p>or</p> <p>10 mL per 100 m²</p>	<p>Apply in a volume of >1000 L of water per ha (>10 L of water per 100 m²).</p> <p>Apply every 2 - 4 weeks to maintain consistent water penetration through the soil profile and as required by conditions to overcome hydrophobicity and prevent Dry Patch (localised dry spot).</p> <p>Follow normal irrigation schedule.</p> <p>Apply monthly or as required. Monthly applications are recommended for best results.</p>
<p>Turf Management: Dry Areas & Hard to wet hydrophobic areas</p> <p>Golf Greens, Bowling Greens, Croquet Lawns, Tennis Courts, Golf Fairways, Sports Fields, Racetracks, Turf Farms, Maintained Lawns, General Turf areas</p>	<p>0.5 – 1 L/ha</p> <p>or</p> <p>5 – 10 mL per 100 m²</p>	<p>If applied in very dry conditions (above 28^oC), irrigate immediately with 3 mm of rainfall equivalent.</p> <p>To ensure Maximiser Push Through is not removed from the treated area prior to soil incorporation, irrigate the treated area before the next mowing with at least 4-6 mm of rainfall equivalent.</p>
<p>Turf Management: Trouble Spots</p> <p>Golf Greens, Bowling Greens, Croquet Lawns, Tennis Courts, Golf Fairways, Sports Fields, Racetracks, Turf Farms, Maintained Lawns, General Turf areas</p>	<p>100 mL in 100 L water</p>	<p>Spot treatment by boom spray, hand nozzle (i.e. fish mouth), Pro-Ap[®] or back-pack will overcome severe hydrophobicity and control Dry Patch (localised dry spot).</p> <p>Irrigate immediately after application with at least 4-6 mm of rainfall equivalent to relieve drought stress.</p>

Note: The above table represents only a modified extract from the full product label. Always read the full product label before use.

Application

Boom Sprayers: Spray nozzles should be uniformly spaced and of the same size, and should provide accurate and uniform application. Use spray nozzles that produce a medium spray quality. To ensure accuracy, calibrate sprayer before use and calibrate frequently. Apply at a volume of >1000 L of water per hectare. Good even coverage with the spray is essential for optimum results. Observe sprayer nozzles frequently during the spraying operation to ensure that the spray pattern is uniform. Avoid overlapping of spray runs. Avoid application under conditions when uniform coverage cannot be obtained or when spray drift may occur. Shut off spray booms while starting, turning slowing and when stopped.

Pedestrian Application from Tank: Hand nozzle (i.e. fish mouth) should have a uniformed spray pattern. Applicators should calibrate their spraying process to ensure their walking speed, pump pressure and hand nozzle movement (i.e. sweeping action) is even and consistent with the water volumes and the product application rate required.

This product is to be used and applied according to the label directions by professionals (turf managers / greenkeepers) trained in the use of agricultural chemicals, using properly calibrated equipment.

Timing

Apply Maximiser Push Through at approximately monthly intervals, beginning at least 1 month prior to the start of the irrigation season (before the onset of dry or heat stress conditions).

A preventive program will alleviate problems associated with the development of dry patch (localised dry spot) and ensure plant available moisture in the soil profile, whilst maximising the use of the water resources, whether that be irrigation water or rainfall.

Application is monthly or as required. Trial work and experience shows more consistent results are achieved with regular applications (i.e. monthly applications). Hence the greater the frequency of application the greater the water use efficiency.

Note: In extreme cases of water repellency and dry patch (localised dry spot) from hydrophobic soils additional applications should be applied between monthly applications, as required.

Packaging

Pack size: 1L, 5L, 20L, 200L, 1000L

All of Turf Culture's products come with a formulation guarantee, ensuring turf managers can be extremely confident they are applying a quality product.



" Innovative & Professional Turf Products "

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