



MP SUSTAIN

**PROMOTES SOIL MOISTURE HOLDING
TO REDUCE IRRIGATION FREQUENCY**

UNIQUE FEATURES

- Increases water holding through retention of capillary soil water
- Slows soil drying cycle to maintain healthy roots and microbes
- Biologically active organics enhance uptake of plant nutrients
- Works with wetting agents to increase water use efficiency
- Patented formulation is infinitely soluble for reliable tank mixing
- Convenient liquid formulation mixes well and is suitable for irrigation injection

TECHNOLOGY

MP SUSTAIN is a super absorbent liquid that after application to turf and horticultural soil, attracts water molecules and increases the water holding of soil. In doing so, MP SUSTAIN slows the drying cycle of soils in summer, enhancing the soil environment for microbes and turf roots alike. Because MP SUSTAIN is stable in soil, it remains active for at least 12 weeks when applied as directed. Additionally, concentrated organics in MP SUSTAIN enhance the uptake of soil nutrients.

MP SUSTAIN complements the performance of a normal wetting agent program. By stabilising soil moisture cycles in hot weather, the pressure placed on wetting agent to allow re-wetting is reduced and the soil environment enhanced.

USE PATTERNS

MP SUSTAIN is a perfect additive for hydro-seeding, as it not only holds water around the seed mixture for longer, but it also helps bind the mulched surface to reduce erosion. In the same manner, MP SUSTAIN applied to a soil surface and left to dry, will significantly reduce dust by stabilising soil particles and preventing their migration.

Sprigging and seeding works will also obtain significant benefit from MP SUSTAIN. Apply in sufficient volume of water to deliver the spray solution to a required depth of soil and let MP SUSTAIN do the rest.

PRODUCT INFORMATION

Composition

Translucent Brown Liquid

PRODUCT SPECIFICATIONS

100% Patented formulation containing linear polymers and naturally derived, soil complexing, organics.

Situation	Rate	Longevity	Comments
Greens & fine turf, lawns & landscape.	10 L/ha	2–3 months	Apply in advance of expected heat stress. Ideal for application via irrigation injection. Spray application should use a minimum dilution of 1 part MP SUSTAIN to 20 parts water (1 L MP SUSTAIN in 20 L of water). When tank mixing, always confirm compatibility via 'jar test'.
Fairways, sportsturf, lawn turf & landscape	15 L/ha	3–4 months	

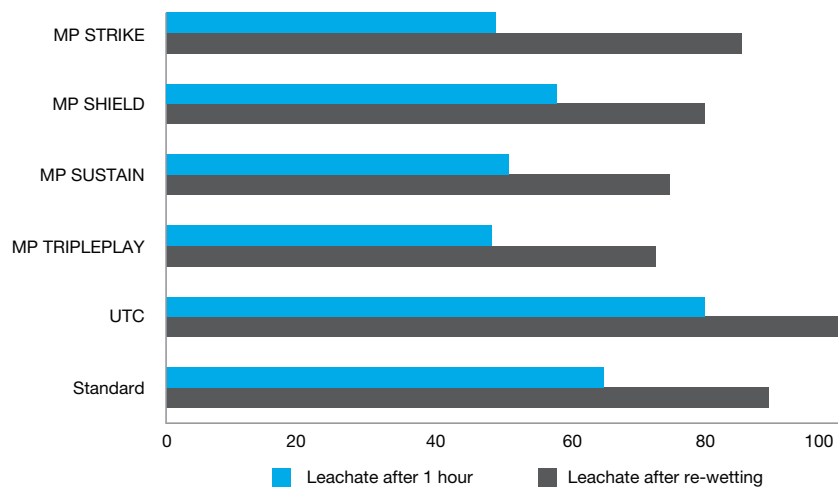
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TRIAL INFORMATION

MOISTURE HOLDING TEST



Test description

This leachate test shows the candidate product's ability to hold onto applied moisture in soil, after free water has been allowed to drain after 1 hour and then after rewetting 48 hours later.

The lower the amount of leachate collected, the more that candidate has influenced the soil's ability to hold water against drainage. Humectants perform better at this test because they are more lipophylic (water attracting).

Results

MP SUSTAIN applied at only 10 L/ha dramatically increases soil water holding capability. For best results apply 7-14 days after MP SHIELD, to ensure uniform distribution throughout the root zone.

The moisture holding results for MP TRIPLEPLAY (3-in-1 granule) is evidence of the increase in performance when MP SHIELD and MP SUSTAIN are applied consecutively to the same soil. Practically speaking that means more time between irrigation events in summer.

SOIL MOISTURE RANGE

MP STRIKE enhances penetration which is a fundamental requirement for soil moisture care.

When both penetration and protection against dry patch is required, the solution is **MP SHIELD**.

To promote soil moisture holding on free draining soils, **MP SUSTAIN** is designed as a booster to extend the gap between irrigation events.

MP TRIPLEPLAY combines all three products in a dry granular form.

**PENETRATE.
PROTECT.
PROMOTE.**