

PENETRATOR

SOIL WETTER/MOISTURE RETAINER



DESCRIPTION

PENETRATOR is added to the water being applied to the soil to improve water penetration rates and greatly improves moisture retention. The treated water lasts longer in the soil as evaporation rates are reduced as the water holding properties of the polymers that attaché themselves to the fine soil particles; greatly improving the soil moisture retention.

SOLUTION

By adding PENETRATOR to the soil we allow the water to soak deeper down into the root zone allowing the following:

- Less watering requirements
- Water is more available to the plants, lawn or crops.
- Smaller quantities of water are more effective.
- Water evaporation rates are reduced.

HOW IT WORKS

1. Improved water penetration through 'Wetting Agents'

Wetting agents perform a task very similar to their name – they make water 'wetter'. Water has a natural surface tension, which means it is not as free flowing as we think. By

adding small quantities of PENETRATOR to water the surface tension of the water is broken allowing it to flow more freely. Water treated with PENETRATOR will penetrate deep into the soil structure and individual soil particles.

PENETRATOR will allow water to flow to the treatment zones as well as greatly reduce water evaporation rates from the soil.

2. Water Retention through the addition of 'Polymers'

Long Chain Polymers attach themselves to the fine soil particles agglomerating them into a larger

mass which allows water to flow more freely through the soil. The Polymers used in PENETRATOR attract and hold water improving moisture retention levels. This action will help hold water and fertilisers around the root zone reducing loss and leaching.

BENEFITS

- Reduces Water Usage
- Wets Non-Wetting Soils
- Allows for Better Water Penetration
- Promotes Soil Particle Aggregation
- Hold Water in the Soil
- Reduces Fertiliser Leech

ENVIRONMENT

All RST products are environmentally safe and user friendly. For further detailed information on a specific product or application please contact RST Head Office.

APPLICATION	DOSAGE RATE	RE APPLY
Home gardens & potted plants	20ml per 9L of water	3 – 6 weeks
Home turf	15ml per square metre	8 – 12 weeks
Commercial parks and gardens	2L per 1000L of water	3 – 6 weeks
Turf farming & large scale cropping	10ml per square metre	8 -12 weeks.
Rehabilitation & reforestation	15ml per square metre	8 – 12 weeks.