

# Penmax®

## Non-Ionic Soil Penetrant

Banks Water - Washes Away Unwanted Salts - Increases The Microbial Base - Loosens The Soil



### WHAT IS PENMAX®?

Penmax® is a true non ionic penetrant. It moves water horizontally and vertically flushing salts from roots. It lowers the surface tension of the water to allow the water to penetrate the "hard to wet soils". Fertiliser can be carried into the soil along with the water to promote a deeper root system. Excess salts are carried away from the root zone as the water continues to penetrate. Because of less run off, erosion on slopes will be decreased. Penmax® helps loosen crusted soils.



### BENEFITS

- Increases nutrient uptake in soil and foliar applications
- Greater water penetration into soil results in greater root depth and vigor
- Greatly increases leaching of excess salts beyond the root zone
- Increases microbial diversity



### ACTIVE INGREDIENTS

Polyoxypropylene – polyethylene	25%
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Analysis:	w/v	(weight/volume)
Product pH:	pH	7.5
Specific Gravity:		1.02

### PACKAGE SIZES AND WEIGHTS

VOLUME	NET WEIGHT	GROSS WEIGHT
1000 L	1030.0 kg	1130.0kg
200 L	206.0 kg	218.0kg
20 L	20.6 kg	22.6 kg



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Soil Penetrant1



## APPLICATION GUIDE

Penmax® will greatly increase water penetration, flush salts away from the root zone, reduce crusting and increase the microbial base in the soil.

It is important to treat all of the water during the entire irrigation set, but do not apply Penmax® less than 1ppm in the irrigation set. Penmax® can be cut with water or fertilizer to create enough volume to treat the entire set on small irrigations.

Apply through drip, sprinkler, flood or overhead irrigation. With fertiliser by boom spray, aerial, fertigation, soil injection. DO NOT apply when conditions are extremely hot. Best applied in temperatures in the range of 5 - 35°C.

GENERAL USE	RATE L/Ha	COMMENTS
Irrigation	5 L	Apply with first irrigation. This application will last through 3 irrigations. Then apply 5 L/ha with each third irrigation until harvest.
With fertiliser	1-2 L	
General use	10-15 L	Over the growing season. For light to sandy soils rates can be reduced to 3L/ha or 6 - 9L/ha over the growing season.
TURF	RATE L/Ha	COMMENTS
Turf	Apply to problem areas 50 - 100 ml in 75 litres of water to 100m <sup>2</sup> in 2 separate applications 2 to 3 days apart. Irrigate in morning daily with minimum run off for 5 days or until soil moisture level has been replenished	
Golf Course - General	200L / 30 Ha	Via injection applied over a 30 day period.
Golf Course - Greens	30-100ml per 100sq/m	Use enough dilution for maximum coverage

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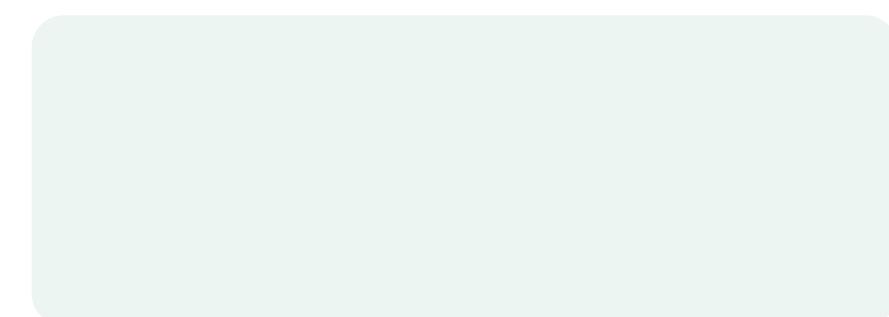
## MIXING INSTRUCTIONS

1. It is important to treat all of the water during the entire irrigation set, but do not apply Penmax® less than 1ppm in the irrigation set.
2. With fertiliser, add water then the required amount of Penmax®. Fill the remainder of tank with water and maintain agitation.

## COMPATIBILITY:

Penmax® may be compatible with fertilisers, but a jar test is recommended. Please be aware that physical compatibility does not guarantee product efficacy.

## YOUR LOCAL DISTRIBUTOR IS:



## CONDITIONS OF SALE

These goods are manufactured and tested to specific standards and are sold in good faith, however, no guarantee is given as conditions and methods under which they are used are beyond the control of Advanced Nutrients Pty Ltd. Before using, user should determine the suitability of the product for his or her intended use and user assumes the risk and liability in connection therewith.



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