



# Universol®

## Hard Water 111

Acidify irrigation water and neutralize bicarbonates in hard water

18 | 18 | 18 | TE  
N P2O5 K2O



## Guaranteed analysis

Oxide		
N	Total Nitrogen	18%
	Nitrate nitrogen (N-NO3)	10.8%
	Ammoniacal nitrogen (N-NH4)	7.2%
P2O5	Phosphorus Pentoxide	18%
	Water soluble (P2O5)	18%
K2O	Potassium Oxide	18%
	Water Soluble (K2O)	18%
B	Boron	0.01%
	Water soluble (B)	0.01%
Cu	Copper	0.010%
	Water soluble (Cu)	0.010%
	Copper EDTA (Cu)	0.010%
Fe	Iron	0.12%
	Water soluble (Fe)	0.12%
	Iron EDTA (Fe)	0.12%
Mn	Manganese	0.04%
	Water soluble (Mn)	0.04%
	Manganese EDTA (Mn)	0.04%
Mo	Molybdenum	0.001%
	Water soluble (Mo)	0.001%
Zn	Zinc	0.010%
	Water soluble (Zn)	0.010%
	Zinc EDTA (Zn)	0.010%

## Characteristics

## Description

Specially designed to solve your challenges when using hard water, Universol® Hard Water 111 contains carefully selected raw materials for an excellent acidifying effect. It gives you amazing ease of use and efficiency thanks to its one-tank-mix. A balanced formula for balanced growth, Hard Water 111 contains a high level of trace elements, and its low stock solution pH ensures swift solubility. You can also combine it with other Universol® Hard Water types. This product is not recommended for application in soft water types or rainwater.

## Benefits

- Quick crop response thanks to fast performance
- Improves irrigation water quality
- Stabilizes pH in the soil

## How to use

- 1 Prepare the stock solution 1-2 hours before use and stir well.
- 2 Use clean irrigation systems only, as the product's anti-clogging effect can release any deposits in the pipes, which can cause blockages in the system.
- 3 Do not mix with Ca-containing fertilizers.
- 4 Do not mix with other P-containing compound fertilizers.
- 5 Can be mixed with phosphoric acid.
- 6 If you need more information, please contact your technical support.

## Application rates

Recommended Universol® rates	100% Universol®	50% Universol®*
Pot and bedding plants:		
Crops with high fertilizer requirements	1-2 g/l	0.5-1 g/l
Crops with normal fertilizer requirements	1-1.5 g/l	0.5-0.75 g/l
Salt sensitive crops	0.5-1 g/l	Depends on situation
Container nursery stock:		
Crops with high fertilizer requirements	20 g/m2/week	10 g/m2/week
Crops with normal fertilizer requirements	15 g/m2/week	7.5 g/m2/week
Salt sensitive crops	10 g/m2/week	5 g/m2/week

\*When combined with 50% Osmocote® Exact \*\*Attention\*\* Trial first on a small scale before changing the rate, application or any other variables. As circumstances can differ and the application of our products is beyond our control, ICL cannot be held responsible for any adverse results. Store under dry conditions. Close partly used or damaged bags securely. For best results, always ask your ICL advisor.

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