



Universol®
HW

Hard Water 212

Perfectly balanced formula for strong mid-season growth in hard water

19 | 11 | 19 | TE
N | P₂O₅ | K₂O

Description

Designed for use in hard irrigation water with high bicarbonate levels, Universol® Hard Water 212 contains carefully selected raw materials, including NPK and trace elements, to make the growing medium acidic enough for your ornamentals to flourish. Dissolves in a flash, thanks to the Bright Solution System. Can also be mixed with other Universol® Hard Water formulas. Your go-to hard water nutrition solution.

Guaranteed analysis

Oxide

N	Total Nitrogen	19%
	Nitrate nitrogen (N-NO ₃)	9.5%
	Ammoniacal nitrogen (N-NH ₄)	5.1%
	Urea nitrogen (N-Urea)	4.4%

P ₂ O ₅	Phosphorus Pentoxide	11%
	Water soluble (P ₂ O ₅)	11%
K ₂ O	Potassium Oxide	19%
	Water Soluble (K ₂ O)	19%
B	Boron	0.01%
	Water soluble (B)	0.01%
Cu	Copper	0.01%
	Water soluble (Cu)	0.01%
	Copper EDTA (Cu)	0.01%
Fe	Iron	0.2%
	Water soluble (Fe)	0.2%
	Iron EDTA (Fe)	0.2%
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	0.01%
	Water soluble (Zn)	0.01%
	Zinc EDTA (Zn)	0.01%

Benefits

 Fast performance for rapid crop response

 Improves irrigation water quality

 Stabilizes pH in the soil

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/m ² /week	10 g/m ² /week
Crops with normal fertilizer requirements	15 g/m ² /week	7.5 g/m ² /week
Salt sensitive crops	10 g/m ² /week	5 g/m ² /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.

How to use

- 1 Prepare the stock solution 1-2 hours before use and stir well.
- 2 Use in 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 other P-containing compound fertilizers.
- 4 Do not mix with Ca-containing fertilizers.
- 5 Can be mixed with phosphoric acid.

6 This product is not recommended for application in soft water types or rainwater.

7 If you need more information, please contact your technical support.

Technologies



The Bright Solution System, exclusive to Universol® water-soluble fertilizers, combines carefully selected components with pH-regulating and chelating properties to enhance nutrient solubility and uptake. This advanced system ensures rapid and complete dissolution, preventing irrigation blockages and maximizing nutrient availability.

[Learn more](#)

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<https://icl-growingsolutions.com/ornamental-horticulture/products/universol-hard-water-212/>

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ICL Growing Solutions

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