



Universol®

113R

The solution for hardening your crops in soft water

11	11	31	2.0	2.0
N	P ₂ O ₅	K ₂ O	CaO	MgO

TE

Description

Designed to improve the quality of soft irrigation water, Universol® Soft Water 113R contains NPK, Mg, Ca, and a full package of trace elements. Ideal for flowering crops and to harden off crops in their final growth phase, thanks to the high potassium-aimed N:K ratio of 1:3. This fast-acting product dissolves in a flash. And you are always guaranteed the same composition thanks to stringent quality control.

Guaranteed analysis

Oxide

N	Total Nitrogen	11%
	Nitrate nitrogen (N-NO ₃)	9.8%
	Urea nitrogen (N-Urea)	1.2%
P ₂ O ₅	Phosphorus Pentoxide	11%
	Water soluble (P ₂ O ₅)	11%

K ₂ O	Potassium Oxide	31%
	Water Soluble (K ₂ O)	31%
CaO	Calcium Oxide	2%
	Water soluble (CaO)	2%
MgO	Magnesium Oxide	2%
	Water soluble (MgO)	2%
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	0.12%
	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	0.01%
	Water soluble (Zn)	0.01%
	Zinc EDTA (Zn)	0.01%

Benefits

🌊 N:K ratio of 1:3 boosts the quality of soft irrigation water, with all essential nutrients

🌊 Dissolves quickly and acts rapidly

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.

How to use

- 1 This product is not recommended in hard water types, such as well water.
- 2 Store under dry conditions.
- 3 Partly used or damaged bags should be closed well.
- 4 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-soft-water-113r/>

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ICL Growing Solutions

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