




Universol®

Hard Water 211

 Specially designed to solve the challenges of hard water

23 | 4.4 | 8.3 | TE
N | P | K

Description

Universol Hard Water 211 is developed for application in hard irrigation water, with high levels of bicarbonate. With an N:K ratio of 2:1, it is ideal for plants requiring high amounts of nitrogen during the early growth stage (e.g. foliar plants). Universol Hard Water 211 acidifies the irrigation water and neutralizes bicarbonate.

Guaranteed analysis

Elemental

N	Total Nitrogen	23%
	Nitrate nitrogen (N-NO ₃)	11%
	Ammoniacal nitrogen (N-NH ₄)	8%
	Urea nitrogen (N-Urea)	4%
P	Phosphorus	4.4%
	Water soluble (P)	4.4%



K	Potassium	8.3%
	Water soluble (K)	8.3%
Mg	Magnesium	1.2%
	Water soluble (Mg)	1.2%
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%

Benefits

- Contains all elements; NPK, magnesium and trace elements
- Always the same composition thanks to stringent quality control
- The pH of the soil remains stable as a result of the HCO_3^- buffering effect

- Improves the quality of your irrigation water, by taking out bicarbonates
- Dissolves entirely and quickly because of the special ingredients and the 'Bright Solution System'
- The pH of the soil remains stable as a result of the HCO_3^- buffering effect.

Application rates



Pot and bedding plants:

	100% Universol (continuous feeding)	50% Universol when using 50% Osmocote
Crops with high fertiliser requirements	1-2 g/l	0.5-1 g/l
Crops with normal fertiliser 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:

	100% Universol	50% Universol when using 50% Osmocote
Crops with high fertiliser requirements	20 g/m ² /week	10 g/m ² /week
Crops with normal fertiliser 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

Please contact ICL for application rates specific to your situation. Recommended rates in g/L represents the dilution rate in irrigation water.

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 except of phosphoric acid
- 4 Do not mix with Ca-containing fertilizers.
- 5 This product is not recommended for application in soft water types or rainwater.
- 6 If you need more information, please contact your technical support.



Attention

Trial first on a small scale before changing the rate, application, or any other variables. As circumstances can differ and as the application of our products is beyond our control, ICL cannot be held responsible for any adverse results. Contact your ICL advisor for more detailed advice.

<https://icl-growingsolutions.com/en-au/ornamental-horticulture/products/universol-hard-water-hard-water-211/>
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