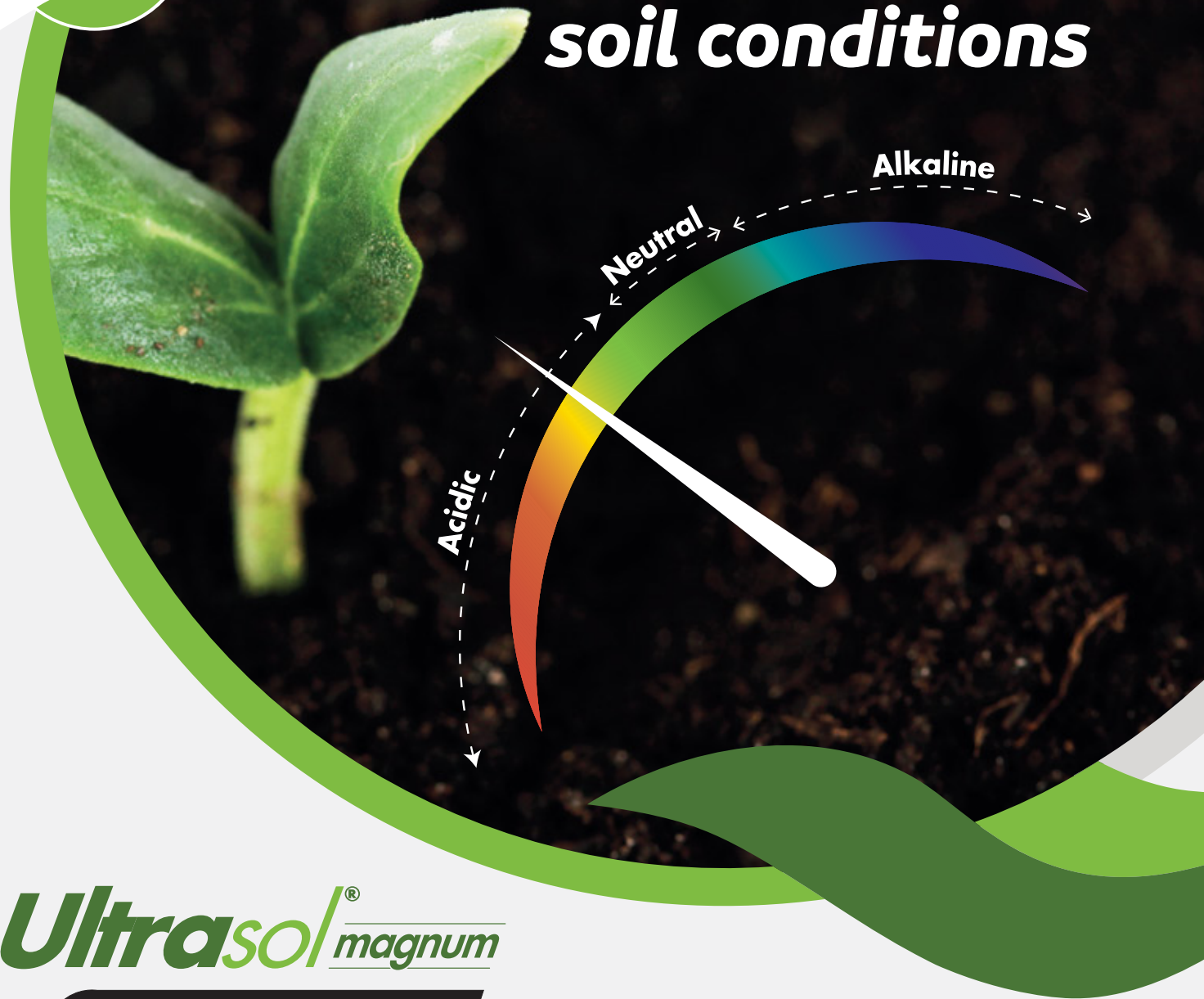


SQM

The solution for calcareous & alkaline soil conditions



Ultrasol[®] magnum

Special



Acidified NPKs for improved uptake of nutrients under alkaline growth conditions.



Based on Ultrasol[®] Magnum P44[®].



One formula per phenological stage.



Contains a full package of 6 micronutrients.



Helps to prevent precipitates and clogging in drip lines.





- All formulas include nitrate (NO₃⁻) as nitrogen (N) source. Nitrate nitrogen synergetically promotes the uptake of potassium and other cations like Ca⁺⁺ and Mg⁺⁺.
- High nitrate levels are also applied in the nutrient solution to counteract the negative effects of chloride excess imbalances.
- All formulas are acidified to improve availability of calcium (Ca⁺⁺), copper (Cu⁺⁺), iron (Fe⁺⁺), manganese (Mn⁺⁺), magnesium (Mg⁺⁺), phosphate (H₂PO₄⁻) and zinc (Zn⁺⁺).

Ultrasol® Magnum Special 15 - 30 - 15 + TE

- Acidified NPKs with N:P:K ratio of 1:2:1 for improved uptake of nutrients under alkaline conditions.
- A formula designed for the **initial** growth stage, when the plant requires a high level of available phosphorus (P).

Ultrasol® Magnum Special 28 - 14 - 14 + TE

- Acidified NPKs with N:P:K ratio of 2:1:1 for improved uptake of nutrients under alkaline conditions.
- A formula designed for the vegetative **growth** stage, when the crop's stems and leaves expand.

Ultrasol® Magnum Special 12 - 6 - 40 + TE

- Acidified NPKs with N:P:K ratio of 2:1:7 for improved uptake of nutrients under alkaline conditions.
- This formula is especially designed for the final phase in the plant's life cycle: the **maturation** of the reproductive organs (fruit, seed, tuber) in order to obtain more caliber, quality and weight.

Ultrasol® Magnum Special 16 - 8 - 24 + TE

- Acidified NPKs with N:P:K ratio of 2:1:3 for improved uptake of nutrients under alkaline conditions.
- A formula designed for the **development** stage: the transition stage between vegetative and generative growth, when organs are being developed.

Ultrasol® Magnum Special 15 - 15 - 30 + TE

- Acidified NPKs with N:P:K ratio of 1:1:2 for improved uptake of nutrients under alkaline conditions.
- A formula designed for the **generative** growth stage, when produce is being developed (fruit, tubers, grains, etc.).

Ultrasol® Magnum Special 20 - 20 - 20 + TE

- A generic acidified formula that can be applied at any crop stage to minimize the risks of nutrient deficiencies.

Ultrasol® Magnum Special specifications (%)						
Formula	15-30-15+TE	16-8-24+TE	28-14-14+TE	15-15-30+TE	12-6-40+TE	20-20-20+TE
Total nitrogen (N)	15,1	16,0	28,1	15,2	12,1	20,2
Nitric nitrogen (N-NO ₃)	4,5	7,1	3,1	9,0	9,8	5,5
Ammonium nitrogen (N-NH ₄)	7,2	7,1	0,8	2,4	-	2,6
Ureic nitrogen (N-NH ₂)	3,4	1,8	24,1	3,8	2,4	12,0
Phosphorus pentoxide (P ₂ O ₅)	30,1	8,0	14,0	15,0	6,0	20,1
Potassium oxide (K ₂ O)	15,1	24,0	14,1	30,0	40,2	20,1
Sulphur trioxide (SO ₃)	6,3	19,0	9,1	1,3	7,1	0,2
Boron (B)	0,02	0,02	0,02	0,02	0,02	0,02
Copper (Cu) EDTA	0,004	0,004	0,004	0,004	0,004	0,004
Iron (Fe) 35% EDDHA – 65% EDTA	0,04	0,04	0,04	0,04	0,04	0,04
Manganese (Mn) EDTA	0,025	0,025	0,025	0,025	0,025	0,025
Molybdenum (Mo)	0,002	0,002	0,002	0,002	0,002	0,002
Zinc (Zn) EDTA	0,015	0,015	0,015	0,015	0,015	0,015
pH (in 1% solution)	3,0	2,7	2,7	2,7	2,3	2,8
EC (1 g/l at 25°C, in mS/cm)	1,1	1,5	0,7	1,1	1,4	0,9

DISCLAIMER.

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SQM EUROPE N.V.

Houtdok-Noordkaai 25a
2030 Antwerpen, Belgium

Tel: +32 3 203 97 00
E-mail: spn-emea@sqm.com

sqmnutrition.com