

**SQM**

Better plant nutrition for self protection



Ultrasol[®] Anti-Stress Crop

Ultrasol[®] Anti-Stress Crop is SQM's product line for fertigation application, designed to complement a well-balanced plant health management programme.

Ultrasol[®] Anti-Stress Crop plant nutrition solutions help your crop to counter stress conditions by increasing plant resistance to abiotic or climatic stress conditions such as salinity, extreme temperatures and drought.

Ultrasol[®] Anti-Stress Crop provides cost-effective plant nutrition and stress relief for stronger, healthier crops and increased marketable yields.

SQM's Ultrasol[®] Anti-Stress Crop powers up your crops for optimal self-defence!

Ultrasol[®] Anti-Stress
Tomato

Ultrasol[®] Anti-Stress
Pepper

Ultrasol[®] Anti-Stress
Cucumber



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Advantages of Ultrasol® Anti-Stress Crop

High quality, fully soluble crop-based formula

Ultrasol® Anti-Stress Crop is a high quality, fully water-soluble Specialty Plant Nutrition product with anti-stress action for soil grown crops under drip irrigation. Ultrasol® Anti-Stress Crop is virtually free of chloride (Cl), sodium (Na) and sufficiently low in sulphate (SO₄) in order to avoid salt accumulation in the rooting zone.

Anti-Stress

Farmer's income is negatively affected by plant stress, which can be provoked by adverse soil conditions, like salinity, and extreme climatic conditions, like very high and low temperatures and drought. Ultrasol® Anti-Stress Crop helps to increase the plant's resistance to stress for stronger, healthier crops and increased marketable yields.

Only one single formula needed

Ultrasol® Anti-Stress Crop offers the convenience of a single crop-based formula, which can be used all along the growing season from transplanting to final harvest.

EDDHA and EDTA chelated micronutrients

Fe is EDDHA chelated for maximum Fe availability under alkaline conditions. The other metal micronutrients like Cu, Mn and Zn are EDTA chelated to assure availability under high pH conditions.

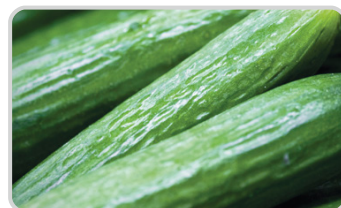
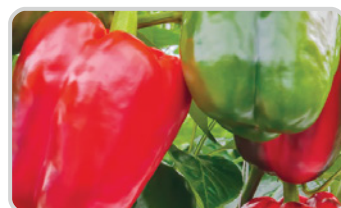
Nitrate nitrogen

Nitrate nitrogen enhances the uptake of cations like K⁺, Mg⁺⁺ and Ca⁺⁺ and is the most efficient nitrogen source for plant growth. High nitrate levels are applied in the nutrient solution to counteract the negative effects of chloride excess imbalances, for example when the irrigation water is saline with high levels of chloride. Each formula is free of urea. Ultrasol® Anti-Stress Tomato contains 80% nitrate nitrogen, Ultrasol® Anti-Stress Pepper 76% and Ultrasol Anti-Stress Cucumber 70%.

Specifications of Ultrasol® Anti-Stress Crop

Ultrasol®	Tomato	Pepper	Cucumber
Specification	% w/w	% w/w	% w/w
Total nitrogen	13,0	14,0	15,0
Nitric nitrogen (N-NO ₃)	10,4	10,6	10,5
Ammonium nitrogen (N-NH ₄)	2,6	3,4	4,5
Phosphorus pentoxide (P ₂ O ₅)	7,0	7,0	8,0
Potassium oxide (K ₂ O)	31,0	29,0	26,0
Magnesium oxide (MgO)	3,6	3,4	3,4
Sulphur trioxide (SO ₃)	7,0	6,7	6,7
Boron (B)	0,025	0,025	0,025
Copper (Cu) chelated by EDTA	0,004	0,004	0,004
Iron (Fe) chelated by EDDHA	0,070	0,070	0,080
Manganese (Mn) chelated by EDTA	0,045	0,045	0,050
Molybdenum (Mo)	0,004	0,004	0,005
Zinc (Zn) chelated by EDTA	0,025	0,025	0,030
EC (1 g/l at 25°C, in mS/cm)	1,35	1,35	1,35

All elements soluble in water



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