



SQM

**Offers a range of
crop specific**
water-soluble formulas
for soil grown crops

Ultrasol[®] Crop Soil



The formulas provide for all-in-one crop specific nutritional fertigation solutions, which can be combined with base dressing, to offer a well-balanced nutrition for a healthy crop.



Ultrasol[®] Crop Soil formulas contain predominantly nitrate as a nitrogen source.



Ultrasol[®] Crop Soil formulas contain a full crop specific package of six micronutrients: fully chelated copper (Cu), iron (Fe), manganese (Mn) and zinc (Zn), in addition to boron (B) and molybdene (Mo).



The fertilization concept assumes that soil and irrigation water fully supply the calcium demand of the plant.



Ultrasol® Tomato Soil 15,2-8-25,2+3,6MgO+TE

- Ultrasol® Tomato Soil formula takes into account a N:K₂O ratio of 1:1,7 which is according to the crop requirements for Solanaceae crops like **tomato** and **pepper**.

Ultrasol® Strawberry Soil 14-6,4-26+3,3MgO+TE

- Ultrasol® Strawberry Soil formula takes into account a N:K₂O ratio of 1:1,8 which is according to the crop requirements for **strawberry**.

Ultrasol® Berries Soil 16,6-8,8-22+3,5MgO+TE

- Ultrasol® Berries Soil formula takes into account a N:K₂O ratio of 1:1,3 which is according to the crop requirements for berries like **raspberry**, **blackberry**, **cranberry**.

Ultrasol® Stonefruit Soil 16,4-7-22,1+4MgO+TE

- Ultrasol® Stonefruit Soil formula takes into account a N:K₂O ratio of 1:1,4 which is according to the crop requirements for stonefruit like **apricot**, **peach**, **nectarine**, **cherry**, etc.

Ultrasol® Flower Soil 18-6-19+3MgO+TE

- Ultrasol® Flower Soil formula takes into account a N:K₂O ratio of 1:1 which is according to the crop requirements for flowers like **rose**, **gerbera**, etc.

Ultrasol® Cucumber Soil 17,3-7,2-21,7+3MgO+TE

- Ultrasol® Cucumber Soil formula takes into account a N:K₂O ratio of 1:1,3 which is according to the crop requirements for other Cucurbitaceae like **melon**, **zucchini**, etc.

Ultrasol® Blueberry Soil 15-7,5-19,2+3MgO+TE

- Ultrasol® Blueberry Soil formula takes into account a N:K₂O ratio of 1:1,3 which is according to the crop requirements.

- The formula is acidified to enhance nutrient uptake for acid loving **blueberry** crop.

Ultrasol® Apple Soil 11,7-15-29,6+2MgO+TE

- Ultrasol® Apple Soil formula takes into account a N:K₂O ratio of 1:2,5 which is according to the crop requirements for **apple** and **pear**.

Ultrasol® Citrus Soil 16,6-5,1-26,6+3MgO+TE

- Ultrasol® Citrus Soil formula takes into account a N:K₂O ratio of 1:1,6 which is according to the crop requirements for citrus crops like **orange**, **lemon**, **pomelo**, etc.

Ultrasol® Crop Soil specifications	Tomato Soil	Cucumber Soil	Strawberry Soil	Blueberry Soil	Berries Soil	Apple Soil	Stonefruit Soil	Citrus Soil	Flower Soil
Total nitrogen (N)	15,2	17,3	14,0	15,0	16,6	11,7	16,4	16,6	18,0
Nitric nitrogen (N-NO ₃)	10,3	10,7	8,5	5,7	10,7	7,8	11,0	11,8	10,6
Ammonium nitrogen (N-NH ₄)	4,9	6,6	5,5	7,6	5,9	3,9	5,5	4,9	7,4
Ureic nitrogen (N-NH ₂)	-	-	-	1,7	-	-	-	-	-
Phosphorus pentoxide (P ₂ O ₅)	8,0	7,2	6,4	7,5	8,8	15,0	7,0	5,1	6,0
Potassium oxide (K ₂ O)	25,2	21,7	26,0	19,2	22,1	29,6	23,1	26,6	19,0
Magnesium oxide (MgO)	3,6	3,0	3,3	3,0	3,5	2,0	4,0	3,0	3,0
Sulphur trioxide (SO ₃)	9,1	8,9	16,8	26,2	7,3	10,1	8,2	6,3	9,8
Boron (B)	0,025	0,025	0,023	0,020	0,011	0,015	0,011	0,011	0,040
Copper (Cu) EDTA	0,004	0,004	0,004	0,004	0,001	0,010	0,001	0,004	0,006
Iron (Fe) EDDHA/EDTA	0,072	0,080	0,113	0,010	0,113	0,040	0,098	0,092	0,030
Manganese (Mn) EDTA	0,044	0,050	0,053	0,010	0,054	0,020	0,026	0,036	0,025
Molybdenum (Mo)	0,004	0,005	0,004	0,004	0,004	0,010	0,004	0,004	0,007
Zinc (Zn) EDTA	0,025	0,030	0,047	0,025	0,056	0,020	0,050	0,046	0,030
EC (1 g/l at 25°, in mS/cm)	1,28	1,32	1,34	1,49	1,30	1,22	1,32	1,15	1,33
pH (in 1% solution demi water)	4,80	4,75	4,94	2,58	4,76	3,60	4,72	4,94	4,84

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