OR 4-2-6

OR – Tailor made, Chloride Free solution 4-2-6 + 6%TE + 1.5%Ca + 0.9%Mg

Affective Fertigation for crops in soilless media that are sensitive to calcium and magnesium deficiencies, and with optimum nitrate/ammonium ratio.

Characteristics

OR liquid solution	Content (gram/liter)					Volume weight			pH	EC	Corrosivity
N-P-K	N	P_2O_5	K_2O	Ca	Mg	gr/cm³	$\%NH_4^+$	$\%NO_3^-$	acid solution	+ 0.45 dS/m	Moderately corrosive
4-2-6	49	24	73	15	9	1.22	10	90	(3.5 – 2.8)	Diluted to 1 liter solution / 1 m³ irrigation water.	

6% TE (chelated EDTA): 660 ppm Iron (Fe), 280 ppm Manganese (Mn), 150 ppm Zinc (Zn), 30 ppm Copper (Cu) and 8.6 ppm Molybdenum (Mo).

Applications

Fertigation for plants in greenhouses, nurseries, orchards, and crops in soilless media that are sensitive to calcium and magnesium deficiencies.

- Application of 1 solution instead of 2-3 separate solutions (NPK, calcium and magnesium).
- OR solutions containing about 90% of the nitrogen as nitrate (NO_3^-) to prevent acidification (absorption of Ammonium (NH_4^+) by the plant roots) of the growing medium.
- Chlorine-free solution.
- OR solution for application in inert growing media without buffer capacity - pH: rock wool, perlite, dune sand.
- Enrichment with calcium and magnesium to prevent the blossom-end rot phenomenon in sensitive crops.

Dosage:

The dosage generally depends on the plant nutrition consumption and absence of them in soil solution. If there are no soil fertility analyzes, then the OR dosage generally is:

- **Application 10-100 liters/ hectare/ day.**
  *The small dose is for small plants and high dose for big plants, depend on crop varieties, stage of growth.
- **For proportional fertigation: 1-3 liters/1000L of irrigation water.**
  *Depend on crop varieties, stage of growth, and dose of irrigation water per hectare per day.

Note: For agricultural use only, the recommendations are for standard use, and should be tested in small scale first. For optimal results consult with your agronomist.

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