



HIGH-TECHNOLOGY WATER-SOLUBLE FERTILIZERS

The water-soluble fertilizers of the **HAS** line are the result of meticulous research, which has selected the best raw substances and has targeted specific uses for various types of crops and crop techniques.

T1 HAS IDRO has great water solubility and is suitable for both the vegetative and productive phases of most fruit, horticultural and flower crops. It is ideal for the preparation of the stock solution and for hydroponic and soilless crops.

SPRINT is suitable for the supply of macro-, meso- and microelements during the vegetative phase of most crops. It can be used in the preparation of the stock solution of hydroponic crops and soilless crops when a vegetative push is needed.

TB HAS IDRO is a fertilizer based on Nitrogen, Calcium and Potassium. It promotes vegetative growth and fruit enlargement and it reduces physiopathies caused by calcium deficiencies.



APPLICATION RATES

CROPS	DOSES		STAGES AND RECOMMENDATIONS
	FERTIGATION	FOLIAR*	
FRUIT TREES, GRAPES, CITRUS, OLIVE TREES	15 - 40 kg/ha	3 - 5 kg/ha	During vegetative growth and from fruit set until beginning of ripening
GREENHOUSE HORTICULTURE	25 - 30 kg/ha	150 g/hl	
HORTICULTURE IN OPEN FIELD AND INDUSTRIAL CROPS	15 - 50 kg/ha	2.5 - 4.5 kg/ha	
NURSERIES	10 - 15 kg/ha	1 - 1.5 kg/ha	During vegetative growth
FLOWERS AND ORNAMENTALS	20 - 25 kg/ha	1.5 - 2.5 kg/ha	
SOILLESS CROPS: use the product for the preparation of the stock solution at the maximum concentration of 15-20% and dilute in irrigation water			
*Foliar applications referred to standard water volumes			

COMPOSITION % w/w

	N-tot %	N-nit %	N-amm %	P ₂ O ₅ sol in H ₂ O %	K ₂ O sol in H ₂ O %	CaO sol in H ₂ O %	MgO sol in H ₂ O %	B sol in H ₂ O %	Fe (EDTA) sol in H ₂ O %	Mn sol in H ₂ O %	Mo sol in H ₂ O %	Zn sol in H ₂ O %
T1 HAS IDRO	15	15	-	-	10	21	-	-	-	-	-	-
SPRINT	23	12.5	10.5	7	12	-	2	0.01	0.02	0.01	0.001	0.002
TB HAS IDRO	15	14	1	-	10	20	-	0.15	-	-	-	-

PHYSICAL AND CHEMICAL PROPERTIES

HAS Line	Water solubility at 20°C (g/l)	pH (1% w/w aqu. sol.)	Electrical conductivity 1 g/l aqu. sol. (µS/cm)
T1 HAS IDRO	432	6.0 ± 0.5 u. pH	1170
SPRINT	510	5.5 ± 0.5 u. pH	1480
TB HAS IDRO	430	7.0 ± 0.5 u. pH	1350