

CARRIER Line



PREVENTS AND CURES ZINC AND MANGANESE DEFICIENCIES

CARRIER Zn and **CARRIER Mn** are liquid products based on zinc and manganese, complexed by lignosulfonates (LSA). LSA is an organic molecule from vegetal origin, which act as complexing agent carrying zinc and manganese through the leaf cuticle and through the vegetal tissues. Due to LSA complexing agent, the micro-elements is fully available for the plant.

CARRIER Zn

- Prevents and cures zinc deficiencies,
- Promotes the auxines synthesis
- Increases the photosynthetic efficiency,
- Protects plants from oxidation caused by high brightness.

CARRIER Mn

- Prevents and cures manganese deficiencies, which can occur on alkaline or high carbonates concentration soils.
- Promotes the auxines synthesis
- Increases photosynthetic efficiency
- Increases plant biochemical activity
- LSA is an organic molecule from vegetal origin, which act as complexing agent carrying Manganese through the leaf cuticle and through the vegetal tissues.



APPLICATION RATES

CROPS	RATES PER APPLICATION	STAGES AND RECOMMENDATIONS
	FOLIAR*	
FRUIT TREES, GRAPES, CITRUS, OLIVE TREES	1 - 2 l/ha	At the vegetative re-start, before flowering and after harvest During vegetative growth and fruit enlargement
HORTICULTURE IN GREENHOUSE	1 - 1.2 l/ha	At transplanting and from the 4 th true leaf
HORTICULTURE IN OPEN FIELD	1 - 1.2 l/ha	During vegetative growth
CEREALS AND INDUSTRIAL CROPS	1 - 2 l/ha	At the 4 th leaf and after tillering
NURSERIES	0.4 - 0.8 l/ha	Within the 4 th leaf
FLOWERS AND ORNAMENTALS	1 - 1.2 l/ha	At the beginning and during vegetative growth

*Use the product at the concentration of 3-5%

COMPOSITION % w/w (EQUIVALENT TO % w/v AT 20°C)

	Zn water soluble	Total complexed Zn	Mn water soluble	Total complexed Mn
CARRIER Zn	10 (13.5)	10 (13.5)	-	-
CARRIER Mn	-	-	8 (10.4)	8 (10.4)

PACKAGING:

PHYSICAL AND CHEMICAL PROPERTIES

	Density at 20°C (g/ml)	pH (1% w. sol. w/w)	Electrical conductivity w. sol. 1 g/l (µS/cm)
CARRIER Zn	1.35	7.0 ± 0.5 u.pH	350
CARRIER Mn	1.30	7.5 ± 0.5 u.pH	250

