



# FITONATURA PIANTAVIT

## ANTISTRESS

**FITONATURA PIANTA VIT** promotes the growth of the plant even in case of strong environmental stress. The formula is a protein hydrolysate of vegetal matrices with a 10% content of L-aminoacids and 7% of glycine betaine, an osmoprotectant that maintains cell firmness and balances the plant in case of abiotic stresses (high temperatures, water deficiencies, soil salinity, etc.). **FITONATURA PIANTA VIT** is a versatile formula. Foliar applications reduce abiotic stresses (heat, water deficiency etc.); in a mixture with herbicides, they promote the recovery of the crop. On the other hand, if applied on the soil, **FITONATURA PIANTA VIT** positively affects the activity of microorganisms in the soil, improving its fertility, thanks to the organic matter content. Further, **FITONATURA PIANTA VIT** meets both the nitrogen and the potassium demands of the crops.

**FITONATURA PIANTA VIT** is compatible with most herbicides and pesticides commonly used in agriculture, with the exception of alkaline and mineral oils. For sensitive crops, make a preliminary test on a few plants before making extensive applications and avoid (especially during temperature changes) mixtures with copper salts or applications on plants with high copper residues.

**ORGANIC FERTILIZER**

*Vegetables aminoacids* →

→ *Antistress effect in fertigation*

→ *7% Glicin Betaine*

**COMPOSITION % w/w (equivalent to % w/v at 20°C)**

Organic Nitrogen (N)	2% w/w	(2,6% w/v)
Potassium oxide (K <sub>2</sub> O) soluble in water	6% w/w	(7,8 w/v)
Organic Carbon (C)	15% w/w	(19,5% w/v)
Organic matter	33% w/w	(42,9 w/v)
Total aminoacids	10% w/w	(13% w/v)

**PHYSICAL AND CHEMICAL PROPERTIES**

Density at 20°C: 1,3 g/ml

pH (1% w/w aqueous solution at 20°C): 7,0 ± 0,5 u. pH

Electrical conductivity (1 g/l in deionized water at 20°C): 400 µS/cm

CROPS	APPLICATION RATES FERTIGATION	STAGES AND RECOMMENDATIONS
FRUIT TREES, GRAPES, CITRUS, OLIVE TREE AND TROPICAL FRUITS	10 - 20 l/ha	2 - 5 applications from the beginning of vegetative growth until ripening. For best result in fertigation, apply at least 50 - 60 l/ha per season
GREENHOUSE HORTICULTURE	2 - 3 l/1000 m <sup>2</sup>	2 - 5 applications during crop cycle
HORTICULTURE IN OPEN FIELD AND INDUSTRIAL CROPS	10 - 20 l/ha	
SUGAR CANE	4 l/ha (furrow application)	In association with plant protection products as well
NURSERIES, FLOWERS AND ORNAMENTALS	1,5 - 2 l/1000 m <sup>2</sup>	Transplantation or after pruning, to repeat every 15 - 20 day