

GROWTH CYCLE

Rooting

Vegetative growth

Flowering

Fruit set

Fruit enlargement

Ripening

FITONATURA PIANTA-MAX is a plant-derived **anti-stress** product. Its formula, crafted through **enzymatic hydrolysis**, contains a high percentage of free **L-amino acids** and **4% glycine betaine**.

It effectively prevents and alleviates **abiotic stresses** like extreme temperatures, water shortages, and soil salinity. Glycine betaine helps maintain **cellular firmness** and reduces the formation of reactive oxygen species (ROS) under stress conditions. Used with herbicides, it enhances nutrient absorption and aids crop recovery from treatment stress.

CROPS	APPLICATION RATES	STAGES AND RECOMMENDATIONS
	FOLIAR	
FRUIT TREES	2 - 4 l/ha	Any stage. It is recommended using the lower rate to prevent stressing situations while the higher rate is suggested in presence of clear stress symptom.
GREENHOUSE HORTICULTURE	2 l/ha	
HORTICULTURE IN OPEN FIELD	2 - 3,5 l/ha	
EXTENSIVE CROPS	2 - 3 l/ha	
NURSERIES, FLOWERS, ORNAMENTALS, AROMATIC AND OFFICINALIS PLANTS	2 - 2,5 l/ha	

Fertigation: 10 - 20 l/ha according to agronomical conditions

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

Total nitrogen (N)	6.0% w/w	7.5% w/v
Organic Nitrogen (N) from vegetal origin	3.0% w/w	3.75% w/v
Ammoniacal nitrogen (N)	3.0% w/w	3.75% w/v
Total phosphorous pentoxide (P ₂ O ₅)	1.0% w/w	1.25% w/v
Organic Carbon (C _{org})	20.0% w/w	25% w/v
Dry matter	54.0% w/w	
C _{org} /N _{tot}	3.3	

PHYSICAL AND CHEMICAL PROPERTIES

Density at 20°C:	1.25 g/ml
pH (1% w/w aqueous solution at 20°C):	6.0 ± 0.5 u. pH
E.C. (1 g/l in deionized water at 20°C):	270 µS/cm



PIANTA-MAX

ANTISTRESS

KEY BENEFIT

- 1 Prevents and alleviates abiotic stresses
- 2 Increases nutrient use efficiency
- 3 Contains 4% glycine betaine from enzymatic hydrolysis

