

HYDROLYZED KERATIN

DESCRIPTION

Formulation based on concentrated keratin hydrolysate enriched with potassium in formulation NPK 9-2-3 especially designed for GROWTH stages. With free amino acids that provide resistance to water stress factors, inclement weather, pests and diseases and an implicit bio stimulant effect. Product suitable in organic farming according to the regulation (CE) n° 834/2007.

AGRONOMIC CHARACTERISTICS

(% on fresh matter)

Total nitrogen (N) (%)	9
Organic nitrogen (N) (%)	7
Water-soluble phosphorous (P2O5) (%)	2
Water-soluble potassium (K2O) (%)	3
Organic matter (%)	35
C/N ratio.	3
Organic carbon (C) (%)	20
Húmic acids (%)	2
Heavy metals (class)	A
Free amino acids (%)	5
pH	6
Humidity (%)	45
Density (kg/l)	1,30

MICROBIOLOGICAL CHARACTERISTICS

Salmonella	Absence in 25 g
Escherichia coli	< 10 NPM/g

ORGANOLEPTIC CHARACTERISTICS

Honey coloration liquid and characteristic odour.

CONSERVATION AND DISTRIBUTION

Expiry period 12 month
 Conservation at room temperature (2°C - 45°C)
 Shake before using
 Do not keep the diluted product (maximum 12 hours after dilution)
 Do not mix with mineral oils and with alkaline or acid reaction products

APPLICATIONS

In fertigation
 Foliar
 In nutritious solutions for direct irrigation

RECOMENDED DOSES

AGRONOMICAL PROPERTIES

FERTILIZE ACTION

CROP	FOLIAR	FERTIG/IRRIGATION	PHENOLOGICAL STATE
Outdoor horticultural	250-400 cc/HL	10-20 L/Ha week	Leaf crop – all the cycle Flower/fruit – initial stage
Greenhouse horticultural	200-350 cc/HL	3-4 L/1000m ² week	Same as previous
Fruit trees	270-500 cc/HL	60-150 L/Ha cycle	Vegetative start to fruit set
Vine	200-400 cc/HL	30-50 L/Ha cycle	Vegetative start to fruit set
Citrus	260-450 cc/HL	90-200 L/Ha cycle	Vegetative start to fruit set
Olive	190-280 cc/HL	30-40 L/Ha cycle	Vegetative start to fruit set
Ornamental	250-450 cc/HL	3-6 L/1000m ² week	Growth 'til beginning flowering
Extensive summer crops		90-150 L/Ha cycle	Growth stage
Extensive Winter crops		50-100 L/Ha cycle	Growth stage

Designed formulation for growth stage
 High content of organic nitrogen
 100% absorbable phosphorus and potassium
 Organic matter contribution
 Minimum residual nitrogen in the leaf
 Contribution resistances against adverse meteorological conditions (water stress, frost, wind)
 High growth performance
 Improves performance in water absorption
 Free amino acids with bio stimulant effect
 Promotes soil microorganisms

BIOE-STIMULATING ACTION (for application)

	WATER STRESS	FROST	WIND/HAIL	PESTS AND DISEASES (combined with phytosanitary)	REVITALIZING
Woody crops	260-300 cc/HL	230-300 cc/HL	300-340 cc/HL	110-150 cc/HL	230-260 cc/HL
Herbaceous crops	190-230 cc/HL	230-260 cc/HL	260-300 cc/HL	75-120 cc/HL	190-230 cc/HL
Extensive crops	8-12 L/Ha	8-12 L/Ha	12-15 L/Ha	4-7 L/Ha	8-12 L/Ha

PRESENTATION

Presentation formats 25.000L tank