ERANTHIS

PRIMING EFFECT AGAINST ABIOTIC STRESS



Approved by ECOCERT INPUTS

Product suitable for use in Organic Agriculture conforming to regulations (EU) n° 2018/848 and 2021/1165 and NOP
Inspected by ECOCERT SAS

ERANTHIS is a EC-marked plant biostimulant, made from a balanced blend of two brown algae (*Ascophyllum nodosum* and *Laminaria digitata*) and selected yeast extracts with an organic matrices of plant origin. The formula was created to help crops maintaining full vegetative functionality and efficient photosynthetic capacity even under critical growth conditions such as water and high radiation stress.

ERANTHIS supplies a blend of bioactive compound with antioxidant capacity that reduces ROS activity and increases the water and light use efficiency.

The application of **ERANTHIS** mitigates the effects of abiotic stress and allows plants to express their full potentia, enhancing the synthesis of characteristic quality-related compounds (e.g., polyphenols in wine grapes).

ERANTHIS HIGHLIGHTS

1. Preconditioning effect against stress
2. Enhanced water and light use efficiency
3. Yield and quality improvement even in critical growing conditions

APPLICATION RATES

CROPS	DOSES FOLIAR	STAGES AND RECOMMENDATIONS
FRUIT TREES, GRAPES AND NUTS	2 l/ha	4 applications, from pre-flowering to prevent abiotic stresses
HORTICULTURE IN OPEN FIELD, POTATOES AND INDUSTRIAL TOMATO	2 l/ha	Throughout the entire crop cycle to prevent abiotic stresses
HORTICULTURE IN GREENHOUSE	200 - 250 ml/hl	

Use 2.5 l/ha to mitigate already visible stress situations.

COMPOSITION % w/w (equivalent to % w/v at 20°C)	
Organic Nitrogen (N)	2.5% w/w (3.0% w/v)
Organic Carbon (C)	14% w/w (16.8% w/v)
Organic matter with nominal molecular weight < 50 kDa 80%	

PHYSICAL AND CHEMICAL PROPERTIES:

Density (20°C): 1.20 g/ml
pH (1% aqueous solution p/p): 5.5 ± 0.5 u. pH
Electrical conductivity (1 g/l in deionized water at 20°C): 250 µS/cm

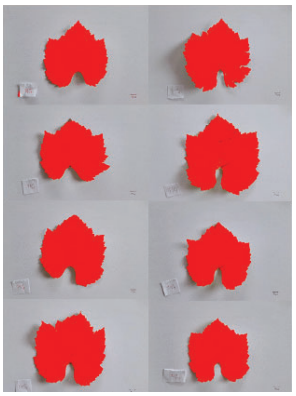
ERANTHIS
EVIDENCE

ERANTHIS: PROTECTION AGAINST LIGHT STRESS

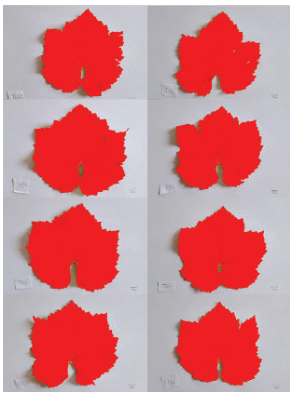
Wine grape - Chardonnay (Italy) 2023

ERANTHIS application increased the avarage leaf area (+20%)

Elaboration with **ImageJ**



Control: 142 cm²



ERANTHIS: 171 cm²

ERANTHIS application reduced sunburn on the bunch (-43%)



Control

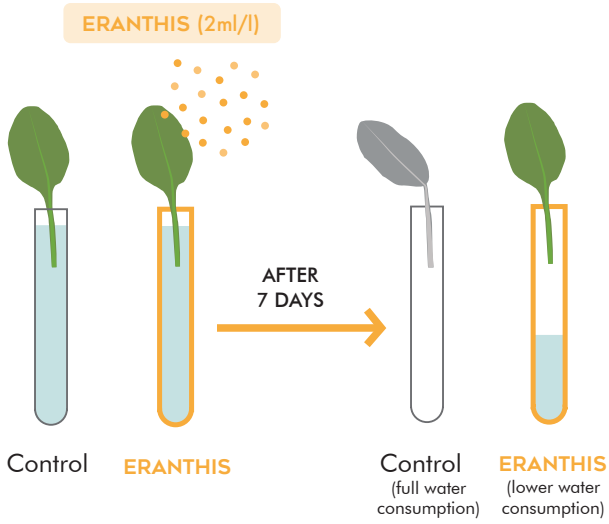


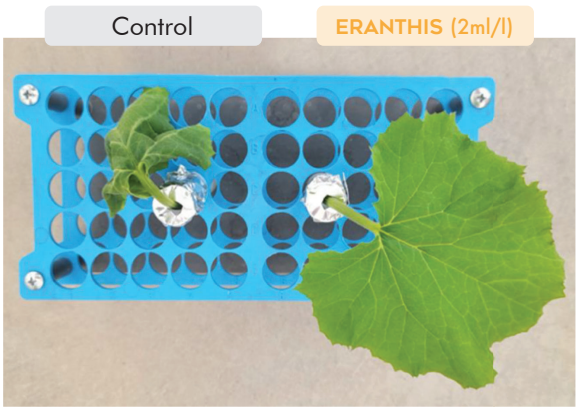
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ERANTHIS: WATER USE EFFICIENCY

Bio-essay on zucchini leaves – **Research Center Greenhas Group**

LOWER WATER CONSUMPTION AND HIGHER CELLULAR TURGIDITY





AFTER 7 DAYS