



**PRODUCT INFO
& DATASHEET**

HIGH TECH BIO SPECIALTY FERTILISER

SICO-DUAL

*Fluid organic fertiliser for rooting and fruit set enhancement
(allowed in organic farming)*

1. PRODUCT DESCRIPTION

SICO-DUAL is a fluid organic fertilizer of vegetal origin, containing yeast extracts and *Ecklonia maxima* brown seaweed. *Ecklonia maxima* is a seaweed that grows in the Southern Hemisphere: it is hand-harvested when ripe, that is when it features the highest ratio between auxins and cytokinins. Furthermore the cytoplasmic contents of the cells are extracted through a process during which high differential pressures are applied, avoiding high temperatures, dehydration, chemical agents and freezing processes. For this reason SICO-DUAL does not alter the nature and the contents of the active principles, especially natural auxins and cytokinins, vitamins B and micronutrients. THE PRODUCT IS ALLOWED IN ORGANIC FARMING

2. PRODUCT SPECIFICATION

* TYPICAL ANALYSIS: % w/w (equivalent to % w/v at 20° C)

Organic Carbon (C)	14% w/w (16.1% w/v)
Organic Nitrogen (N)	2% w/w (2.3% w/v)
Organic matter with nominal molecular weight < 50kDa	50%

* PHYSICAL AND CHEMICAL PROPERTIES

Density (at 20°C)	1.15 g/ml
pH (1% aqu. sol. w/w)	5.5 +/- 0.5 pH
Electrical Conductivity (aqu. sol. 1 g/l)	200 µS/cm

3. MAIN ADVANTAGES

SICO-DUAL, thanks to its nutritional action and its particular ratio between auxins and cytokinins, stimulates the plants to produce endogenous cytokinins that **induce rooting and provide plants with a plentiful flowering and fruit set.**

SICO-DUAL application:

- stimulates roots development
- provides a plentiful flowering and fruit set
- improves soil nutritional compounds and water utilization
- reduces pathogenic root system damages and nematodes infestations, developing a greater number of roots

4. APPLICATIONS RATES AND RECOMMENDATIONS – SUITABLE FOR FOLIAR APPLICATION

CROPS	Rates per Application	Stages and Recommendations
	Foliar*	
Fruit trees, grapes, citrus, olive trees	1.5-2 kg/ha	Before flowering, during fruit set and at the beginning of fruit ripening
Horticulture in greenhouse	1-1.5 kg/ha	At 3 rd – 4 th leaf and transplanting, before flowering and during fruit set
Horticulture in open field and industrial crops	1.5 kg/ha	At 3 rd – 4 th leaf and transplanting, before flowering and during fruit set
Nurseries	0.5-1 kg/ha	At 3 rd – 4 th leaf and transplanting and in case of etiolation
Flowers and ornamentals	1 kg/ha	Before transplanting, before flowering and to stimulate of lateral buds
Dip seeds, bulbs and cutting in a 0.2-0.4% solution before sowing.		
* The dose refers to a volume of water of 10 hl		

5. PACKINGS

- 1 lt bottle x 15 per carton, 540 cartons = 810 lt per pallet (= min. order quantity)
- 5 lt/10 lt/20 lt

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