



PRODUCT INFO
& DATASHEET

HUMIC-ACIDS (SOIL CONDITIONERS)

SICO PROHUMIC

*Concentrated high soluble potassium humate (crystal-like granules)
Min. 60% humic acid (in dry matter) for all types of fertigation systems*

1. INTRODUCTION

SICO PROHUMIC is a concentrated, soluble source of potassium humate, extracted from European leonardite. The product is stable and efficient. The crystal-like granules ensure a highly soluble product, which make the product ideal for all type of fertigation systems as well as soil injection.

SICO PROHUMIC is **free of sulphates, chloride and sodium**. It can be used as a pure product but it is also compatible with most water soluble fertilizers. **In comparison with the available liquid Humic Acids in the market our soluble product is more than four times concentrated.**

As a soil conditioner, SICO PROHUMIC will improve the physical and chemical characteristics of the soil around the drippers, exactly in the area where you have the highest concentration of roots.

SICO PROHUMIC allows positive evolution of the soil, facilitating the availability of nutrients for the crop. As a result it increases the level of plant available phosphorus, especially in calcareous soils, which are low on organic matter. Next to that, SICO PROHUMIC improves the general uptake of nutrients and reduces loss of nutrients, which are sensitive to leaching.

2. PRODUCT SPECIFICATIONS

a) Description

Brand name	: SICO PROHUMIC
Chemical name	: Humic Acid (>60% dry matter content)
Appearance	: Granulated, dark brown/black

b) Chemical composition

Humic Acid (in dry matter)	: min. 60%
Fulvic Acid (in dry matter)	: 2.0% +/- 1.0%
Potassium Oxide (K ₂ O)	: 7.5%
Organic Nitrogen (N) in org. matter	: 1.7% +/- 0.5%
Ash content (in dry matter)	: <40%

c) Physical properties

Density	: 0.5 g/cm ³
pH	: 9 – 11.5 (in 10% water solution)
Solubility	: > 270 g/l at 20 °C
Water content	: < 20%

3. PRODUCT CHARACTERISTICS

- Fully water soluble
- Applicable via all irrigation systems and usable for soil injection
- A stable and efficient humic substance, extracted from European leonardite
- Positively influences the general uptake of nutrients and reduces leaching of Nitrogen
- Increases the plant available nutrients in the root zone, notably Phosphates
- Compatible with most water soluble fertilizers

Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy himself of the suitability for his own particular purpose. No representation, warranty or guarantee is made to its accuracy, reliability or completeness.

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SICO FERTILISERS
EVERY TIME THE *right* SOLUTION



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4. RECOMMENDED APPLICATIONS & DOSING INSTRUCTIONS

Fertigation

Crop	Application data (soil application)	Total dosage in kg/ha*
Banana	Possible use from the beginning of fertigation program until the end.	10 – 30 kg / ha
Citrus, adult trees	From the start of fertigation, during 6 to 12 weeks. Possible to use all cycle long. Split the total dose in 4 to 6 applications every 2 weeks.	15 – 25 kg / ha
Fruit trees, adult trees	From the start of fertigation, for 6 to 10 weeks. Split the total dose in 3 to 5 applications every 2 weeks.	10 – 25 kg / ha
Processing (vegetables) - potatoes - tomatoes	From the very beginning of fertigation. Split the total dose in 3 to 5 applications. - Until start bulking up of the tuber. - During 4 to 8 weeks according to the fertigation program.	8 – 20 kg / ha
Vegetables	From 1 week after transplanting, during 4 to 6 weeks. Split the total dose in 3 to 4 applications every 10 days.	8- 16 kg / ha
Vineyards, Adult table grapes	From the start of fertigation, during 2 months. Split the total dose in 3 to 4 applications every 2 weeks.	10 – 20 kg / ha

* to adapt to the fertigation program and needs

The mentioned indicated dosages and application stages are subject to soil and climatic conditions, influence of previous crops and other specific conditions. Exact dosages and application stages can only be given after an objective diagnostic procedure by e.g. soil, substrate and/or plant analyses.

5. COMPATIBILITY

In case of a mix tank, it is advisable to conduct a compatibility test on forehand.

6. STORAGE

Keep the product in a dry, covered place in its closed, original packaging. Do not store the product at a temperature higher than 35°C.

7. PACKINGS

Available in packings of 1, 5, 25 and 1000 kgs and 1 kg box.