



**PRODUCT INFO  
& DATASHEET**

SICO HUMIC ACIDS SERIES

## SICO-HUMIMAX 100

*Unique water soluble potassium humate derived from Leonardite with extremely high humic (80%) and fulvic (25%) acid contents + 10% K<sub>2</sub>O (available both in flake and powder forms) – For soil and foliar applications.*

*Made in China*

Revised 01/2020

### 1/ PRODUCT DESCRIPTION & SPECIFICATION

SICO-HUMIMAX 100 is a type of Potassium Humate derived from Leonardite. The content is extremely high in Humic and Fulvic Acid. Anti-hard water. Deflocculation. Highest water solubility in both flake and powder forms.

|                                 |                        |
|---------------------------------|------------------------|
| Humic Acid (dry basis)          | 80 %                   |
| Fulvic Acid (dry basis)         | 25 %                   |
| Potassium (as K <sub>2</sub> O) | 10 %                   |
| Water Solubility                | 100 % (deflocculation) |



### 2/ RECOMMENDATIONS & APPLICATION

SICO-HUMIMAX 100 is mainly used in agricultural crops, fruit trees, landscaping, gardening, pastures, grains and horticultural crops etc.

|                    |   |
|--------------------|---|
| Soil Application   | : 8-12 kg/ha                                    |
| Irrigation         | : 8-12 kg/ha                                    |
| Foliar Application | : 5-8 kg/ha with the dilution rate of 1:600-800 |

### 3/ BENEFITS

- Increases organic matter of soil
- Improves crop respiration and photosynthesis
- Improves potash utilization
- Slows decomposition to increase the release of potassium
- Improves the content of available K
- Long-lasting and fast-acting
- Enhances water holding capacity of soil
- Reduces soil erosion and improves workability of soil
- Regulates the release of nutrients
- Improves the quality of agricultural crops
- Improves efficacy of Herbicide
- Improves the efficiency of fertilizer

### 4/ SPECIFICATIONS & CERTIFICATE OF ANALYSIS

#### • FLAKES

| Parameter                       | Standard specification | Analysis result |
|---------------------------------|------------------------|-----------------|
| Appearance                      | shiny flakes           | complies        |
| Humic Acid (dry basis)          | ≥ 80 %                 | 80.6 %          |
| Fulvic Acid (dry basis)         | ≥ 15 %                 | 15.4 %          |
| Potassium (as K <sub>2</sub> O) | ≥ 10 %                 | 10.2 %          |
| Water solubility                | 100 %                  | complies        |
| Water soluble                   | deflocculation         | positive        |
| pH Value                        | 9-11                   | 10.5            |
| Loss on drying                  | ≤ 1 %                  | 0.36 %          |
| Moisture                        | ≤ 15 %                 | 13.5 %          |
| Total bacterial count           | max. 100 cfu/g         | complies        |
| Yeast & moulds                  | max. 100 cfu/g         | complies        |
| Escherichia coli presence       | negative               | complies        |
| Salmonella                      | negative               | complies        |

### 5/ STORAGE & SHELF LIFE

Store in a cool, dry place in tightly sealed containers, protected from heat and light. Shelf life of min. 24 months if stored properly.

### 6/ PACKING

In 25 kg kraft paper bags with Sico product label on pallet of 1 MT, MOQ = 1 pallet or 1 kg bag into 1 kg box x 16 per carton, 768 kg per pallet x 10 = 7.68 MT/20ft fcl. Other packings on request.

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

**SAP INTERNATIONAL CORPORATION** by **Krekelenberg 83, B-2980 Zoersel, Belgium**  
Tel. +32-3-309.06.51 Email : [info@sico.be](mailto:info@sico.be) Website : [www.sico.be](http://www.sico.be)