



**PRODUCT INFO
& DATASHEET**

SICO-HUMIFORTE L (Liquid)

Low pH liquid Humic Acid
- Origin China -

Revised 6/2016

1. PRODUCT DESCRIPTION

SICO-HUMIFORTE-L is a multi-functional high efficiency specialty fulvic acid formulation. It contains not only fulvic acids but also amino acids and trace elements and a very low pH !

Main features :

- 1 Fulvic acid has the smallest molecule weight in the humic acid family, so it is the only element that can be absorbed by the leaves.
2. Fulvic acid is the only element in the humic acid family that can chelate the divalent metal iron such as Ca²⁺, Mg²⁺ etc.

2. PRODUCT SPECIFICATIONS

* Indicative analysis

Fulvic acids (dry basis)	:	8-10 % min.
Amino acids (dry basis)	:	3 % min.
Trace elements (dry basis)	:	0.6 % min.
Potassium Oxide (K ₂ O) (dry basis)	:	1.5-2 %
pH	:	6.5-7.0

* Physical properties

Source	:	Leonardite or Lignite
Appearance	:	black liquid
Density	:	1.03 g/cm ³

3. SOME RECOMMENDATIONS FOR USE & DOSAGES

* Advantages & effects

1. Anti drought, anti cold (reduces leaves stomatal opening).
2. Enhances photosynthesis, promotes plant growth.
3. Improves soil structure, reduces nutritional losses.
4. Increases nutrient absorption by the root system.
5. Easy to dissolve in water and very convenient to apply.
6. Improves plant quality, eg if used for fruits, it can stimulate the enzyme production, increase Vitamin C content and obtain a better taste.
7. Can improve the efficiency of NPK and Urea fertilisers and pesticides. The dosage of NPK, Urea pesticides can be reduced with 15-20%

* General application rates

Fertigation	:	25-30 ltr/kg per hectare
Drip irrigation	:	25-30 ltr/kg per hectare
Spray	:	25-30 ltr/kg per hectare
Foliar	:	0.30-0.36 ltr/kg per hectare

Specific dosages should be adjusted to specific crops & plants and soil conditions. Plse consult your local agronomist.

4. SOME MORE PRODUCT FEATURES

- 1) Increases buffering properties of soil, retains water soluble fertilisers in the root zones and releases them to plants when needed.
- 2) Makes soil more friable or crumbly, improves soil workability.
- 3) Rich in both organic and mineral substances essential to plant growth.
- 4) Chelates metal ions under alkaline conditions.
- 5) Increases water holding capacity, reduces soil erosion.
- 6) Improves the seed bed, increases germination of seed and viability.
- 7) Non-toxic, environmentally friendly.

5. PACKING

In 20 ltr net plastic (blue or white color) drums (with product label), 16,200 ltr/20ft fcl. (without pallets)

6. SHELF LIFE

3 years, if stored dry, away from direct sunlight.