



PRODUCT INFO  
& DATASHEET

## SICO - PERPLEX

*Our TOPSELLING multi-nutrient complex for plant stimulation & optimum levels of production (liquid).*

*Will cost far less than the value & extra profits it generates for the grower !*

updated 8/2017

### **1. DESCRIPTION**

SICO - PERPLEX is a multi-nutrient product (MNP), carefully designed to stimulate plants into achieving optimum levels of production. To be used by farmers who are striving to reach high levels of production, economically, with the technology of tomorrow.

It was developed originally for the cotton crop and then very successfully trialled as an end of season fruit tree treatment, proving its worth many times over on the pistachio crop. In recent years usage on a wide variety of food crops from field vegetables to salad crops have been generating yield and quality increases for growers around the world. During drought conditions SICO - PERPLEX has been a vital part of drought amelioration strategies on combinable crops.

### **2. TYPICAL CHEMICAL ANALYSIS**

This is a unique formulation and combination of essential nutrients with supporting plant intermediates and biostimulant components that includes a number of non-pesticide PGR-like compounds that support growth from early vegetative stages through to fruiting and bulking up.

SICO - PERPLEX contains Nitrogen with vital trace elements; Humic acids; and the powerful activity of high-biological-activity Ascophyllum extract.

Nitrogen	22g/L	(All Ammoniacal)
Sulphur	55g/L	(SO <sub>3</sub> equivalent)
Zinc	5.5g/L	
Magnesium	3.3g/L	(as MgO)
Iron	2.2g/L	
Carbon	14g/L	
Boron	1.5g/L	
Manganese	1.1g/L	
Copper	0.55g/L	
Humic & Fulvic acids (soluble)	1.0g/l	(Improves nutrient uptake and health)
Min. of 50g/L Ascophyllum cell contents		(Sympathetically extracted)
Trace levels of synergistic Giberellins, Betaines, Auxins, Amino Acids and Vitamin B1.		

### **3. GENUINELY SUPERIOR FEATURES & ADVANTAGES**

#### **\* Specific advise**

It has been well recognised in recent years that the maximum potential of field crops is determined during the vital survival and development period during the first thirty days from germination. SICO - PERPLEX functions during this early growth period to establish even and well rooted crops, with high-potential crops generating best response from SICO - PERPLEX.

- There is a genuine level of response to the formulation we use in this unique product that is measurably greater than its components. SICO - PERPLEX genuinely can be observed to overcome or ameliorate stress in crops brought about by nutrition, growing conditions or climate. In a recent independent trial in Europe on heavily stressed cereals SICO - PERPLEX out-performed all the alternative sophisticated and expensive treatments in both quantitative and qualitative terms.
- The humic acid content improves the plants ability to metabolise nutrients, and the fulvic component improves nutrient translocation.
- Betaines and the right balance of very low levels of extract are key to the anti-stress activity.
- The Ascophyllum extract is of much higher measurable biological activity than alternatives.
- The plant extract L-amino acids and sugars support the energy systems in the plant for maximum health and development.

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.

**SAP INTERNATIONAL CORPORATION bvba Krekelenberg 69, B-2980 Zoersel, Belgium**  
Tel. +32-3-309.06.51 Fax. +32-3-309.19.31 Email : [info@sico.be](mailto:info@sico.be) Website : [www.sico.be](http://www.sico.be)

**SICO FERTILISERS**  
EVERY TIME THE *right* SOLUTION



**PRODUCT INFO  
& DATASHEET**

SICO - PERPLEX has been designed to complement nutritional and disease control regimes, promoting maximum root development and improving both speed of growth and the health of plants from 3-leaf stage to final crop development.

SICO - PERPLEX consistently builds health, low-stress, yield and quality, generating maximum returns for the grower.

**SICO - PERPLEX will cost far less than the value it generates for the grower.**

**\* General usage**

General usage rates are between 1.0L/ha and 2.0L/ha with multiple applications on long-season and higher-value crops.

**\* Recommended application rates**

- Field crops: \* 1.5 - 2.5 litres per hectare
- Cereals: \* 1.5 - 2 ltr./ha at growth stage 21 in Autumn  
\* 1 - 2 ltr./ha at growth stage 30  
\* Optional: 1 - 2 ltr./ha at growth stage 51 - 71
- Cotton: \* 2 ltr./ha at early squaring  
\* 2 ltr./ha at first signs of flowering  
\* 2 ltr./ha 14 days later
- Maize: \* 2 ltr./ha at 4 - 5th leaf stage  
\* 2 ltr./ha just prior to tasselling
- Peanuts: \* 2 ltr./ha at 4 - 6th leaf stage  
\* 2 ltr./ha at pegging
- Rice: \* 2 ltr./ha at 4 - 6th leaf stage  
\* 2 ltr./ha at flag leaf emergence
- Soybeans: \* 2 ltr./ha at 4 - 5th leaf stage  
\* 2 ltr./ha at first signs of flowering
- Pistachio \* 2 ltr./ha in 1000 ltr. of water
- Starters fertilisers: Use at an inclusion rate of 1 litre per 100 litres.

**\* Tank mixing compatibility**

SICO - PERPLEX should be compatible with all organic pesticides, although if an uncertainty exists, carry out a jar compatibility test.

Always add SICO - PERPLEX to half filled spray tank, keep agitated and add other spray tank ingredients. If a pH problem exists with acidic mixes then the use of a recognised buffering agent is recommended.

**4. MARKETING & SALES RATIONALE**

SICO - PERPLEX is unique product, although counterfeit products have circulated in the Middle East.

Trials results are available on application. Over ten years of practical usage in a wide variety of crops have confirmed SICO - PERPLEX to be a flexible-use growth promoter without compare in agriculture, horticulture and amenity use. With excellent tank-mix compatibility, SICO - PERPLEX may be applied in combination with almost all sprayable pesticides and other SICO foliar nutrients.

**\* Warehousing**

Store dry, dark and cool. Store away from children, pets, livestock and foodstuffs.

**\* Warnings**

Avoid spraying during the hottest hours of the day. In sensitive crops don't spray in full blooming. Keep the package well closed and far from the reach of children and pets. Avoid contact with eyes and skin. Wear suitable protective gloves & clothing. In case of eye contact, rinse abundantly with water and call a doctor.