



**PRODUCT INFO
& DATASHEET**

SICO - PERPLEX PLUS (liquid)

New multi-nutrient complex

Specially designed to counteract conditions caused by stress from excessive heat

DESCRIPTION

SICO - PERPLEX PLUS is a NEW multi-nutrient complex carefully designed to stimulate plants to resist the stress caused by poor weather conditions and help recover from stressful situations. SICO - PERPLEX PLUS was specially developed for a customer in the Middle East where trials early 2011 were so terrific, we include it now as a standard product in our SICO - PERPLEX range. SICO - PERPLEX PLUS has proved to be very successful in counteracting conditions caused by stress from excessive heat : Fruit dropping, flower abortion, wilting in the heat - generally suffering from heat stress.

PRODUCT SPECIFICATIONS

SICO - PERPLEX PLUS contains the following essential nutrients with **5% GS-45** Seaweed extract for crop growth in a balanced format designed to increase optimum yield of the chosen crop:

*** CHEMICAL DATA:**

Nitrogen (N)	:	2.0 % w/v
Potassium (K2O)	:	1.0 % w/v
Sulphur (combined SO3)	:	8.0 % w/v
Magnesium (MgO)	:	1.0 % w/v
Boron (B)	:	0.05 % w/v
Copper (Cu)	:	0.05 % w/v
Iron (Fe)	:	0.05 % w/v
Manganese (Mn)	:	0.25 % w/v
Molybdenum (Mo)	:	0.005 % w/v
Zinc (Zn)	:	0.25 % w/v
PGS-95, seaweed extract	:	5.00 % w/v
Various individual L-amino acids	:	1.5 % w/v

*** PHYSICAL DATA:**

Appearance	:	Dark brown liquid
Odour	:	Neutral – marine like
Solubility in water	:	99%
Bulk Density	:	1150 – 1200 g per litre

SUGGESTED RATES OF APPLICATION

Crop	Application Rate		Rate of water
Pistachio	2 litre per ha just prior to blooming	Repeat every 14 days	400 litres water per ha to give good even coverage
Roses, Shrubs & Fruit Trees	200 ml per 1000m ² 10-14 days after transplanting	Repeat every 10-14 days And soon after 1st cutting	Use 25–50 litre water per 1000 m ² to give good coverage
Tomato	200 ml per 1000m ² at 15-20 cm growth	Repeat just before blooming	Repeat at 10 day intervals using 25-50 litre water per 1000m ²
Cucumber	200 ml per 1000m ² at 4/5 leaf stage	Repeat just before blooming	Repeat at 10 day intervals using 25-50 litre water per 1000m ²
All vegetables	200 ml per 1000m ² at 3/5 leaf stage	Repeat at 7-14 day intervals	using 25-50 litre water per 1000m ²
Cereals	2 l/ha at Growth Stage 21 in autumn	2 l/ha at Growth Stage 30	optional: 1-2 l/ha at Growth Stage 51-71

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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Cotton	2.5 l/ha at early squaring	2.5 l/ha at first signs of flowering	2.5 l/ha 10-14 days later
Maize, sugar cane	2.5 l/ha at 4-5th leaf stage	2-2.5 l/ha just prior to tasselling	100-250 l/ha
Peanuts	2 l/ha at 4-6 leaf stage	2 l/ha at pegging	100-250 l/ha
Rice	2 l/ha at 4-6 leaf stage	2 l/ha at flag leaf emergence	100-250 l/ha
Soya bean	1.5 l/ha at 3-5th leaf stage	Repeat at 14-21 day	100-250 l/ha

Water rate should be sufficient to ensure proper coverage of the target crop through a fine nozzle spray. Run off is not encouraged.

We recommend the product for extensive use in vegetable crops especially protected crops where heat management is a problem.

<u>Rate of use</u> SICO-PERPLEX PLUS/water	<u>Crop</u>	<u>Observation</u>
1 L/1000L of water	Tomato and cucumber	Small side shoot shown, and new growth, better results on flower pollination but not for all flowers.
1 L/750 of water	Tomato and cucumber	Cucumber : excellent side shoot, new growth start, no flowers abortion. Tomato : healthy plant observed (foliar growth, better pollination starts).
1 L/500 of water	Tomato and cucumber	Gives same results as 1L/750L of water rate

TANK MIXING COMPATIBILITY

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

Always add SICO - PERPLEX PLUS 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.

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.

PACKINGS

Packed 12 x 1 litre bottle per carton, 1008 ltr per pallet, 10080 ltr per 20 ft fcl
Packed 4 x 5 litre can per carton, 1000 ltr per pallet, 10000 ltr per 20 ft fcl
Packed 2 x 10 litre can per carton, 1300 ltr per pallet space, 13000 ltr per 20 ft fcl
Packed 20 litre can, 1600 ltr per pallet space, 16000 ltr per 20 ft fcl
Packed 210 litre drum, 1680 ltr per pallet space, 16800 ltr per 20 ft fcl

TRIAL RESULTS

Verbatim

Comments from customer in Middle East.

Product: SICO - PERPLEX PLUS

Results: *Quote* " : SICO - PERPLEX PLUS is a very good product to be used for flower absorptions and stress caused by environmental conditions on vegetables. " *Unquote*