



**PRODUCT INFO
& DATASHEET**

SICOGREEN[®] -B ECONOMY NPK 19.19.19 + CTE

Balanced water soluble fertiliser for fertirrigation and foliar applications

01/2022

1. PRODUCT SPECIFICATIONS

1) Chemical Analysis (Tolerances and deviations allowed as per EU regulations)

	Guaranteed	Calculated Specifications
Nitrogen (N)	min. 19 %	5.4% Nitrate N (N-NO ₃) 5.8% Ammoniacal N (N-NH ₄) 7.8% Ureic N (N-NH ₂)
Phosphorus Pentoxide (P ₂ O ₅)	min. 19 %	water soluble
Potassiumoxyde (K ₂ O)	min. 19 %	water soluble

Package of chelated trace elements (C.T.E.) contains:

	ppm	%	
Fe	260	0.026	EDTA chelated
Mn	320	0.032	EDTA chelated
Zn	230	0.023	EDTA chelated
Cu	75	0.0075	EDTA chelated
B	100	0.01	water soluble

LOW CHLORINE FERTILISER

2) Physical Specifications

* Appearance/Colour:	Crystalline/powder form – Blue colored We do not take responsibility for the intensity of the coloring as changes in reaction with the ingredients from batch to batch.
* Humidity:	max. 0.5%
* Insoluble matter:	max. 0.2%

SICOGREEN[®] -B ECONOMY NPK 19.19.19 + CTE is an ideal fertiliser **to enhance vegetative development** in fruit trees, vegetables and field crops. Adequate supply of available nitrogen is essential for plant vegetative development. Proper functioning of all plant parts during phases of intensive vegetative growth requires increased quantities of phosphorus, potassium and micronutrients. SICOGREEN[®] -B ECONOMY NPK 19.19.19 + CTE contains high concentrations of readily available macro- and micronutrients of balanced composition. The nitrogen is mainly derived from low biuret technical foliar microprilled urea, the ideal source for rapid and safe absorption through the foliage. Foliar feeding is recommended as a supplement to soil fertilisation, especially on acidic and calcic soil where the efficiency of soil-applied nutrients is disturbed.

2. GENERAL RECOMMENDATIONS FOR USE & DOSAGE

Special formula for starter and growth in nursery and horticulture. See also our general application guidelines.

In fertigation: can be used in all types of fertigation systems (drip, microjet, capillary and sprinkler): 2 to 3 g/liter of irrigation water.

For foliar treatment: 0.5% solution, either 1 kg for 200 ltrs/ha or 5 kg for 1000 ltrs/ha. Repeat 2-3 times, if necessary.

The above recommendations should be adapted depending on differences in climate, soil temperature, application and irrigation system. Furthermore: the number of applications, the quantity per ha as well as the interval times may vary regarding the culture types and the formulations. Please consult your local dealer or a qualified agronomist.

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.

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3. HOW TO APPLY?

- Add SICOGREEN ® gradually to the water filled mixing tank, while stirring the solution.
- Solubility is affected by water temperature, which we recommend to be at 20 °C.
- In case of mixing different products with SICOGREEN ®, always add first SICOGREEN ® and other products afterwards. Do not mix with products based on calcium.
- When mixing with pesticides for the first time, test on a small scale before general use.
- For foliar feedings: apply during the coolest time of a hot day (in the evening) and the warmest time of a cool day ideally not in temperatures above 27 °C.
- Stir well before application
- Use not less than 400 litres of spray liquid per ha.
- In general, avoid application during flowering.
- The use of wetting agents may improve effectiveness (please consult us). It is important to know the pH of the irrigation water. Our SICO PENETRATOR agricultural spraying water conditioner combats medium and high pH water and neutralises unwanted ions such as calcium, magnesium and bicarbonates. Please ask for our literature.

4. STORAGE & WARNINGS

- Store dry & cool, away from direct sunlight, in well-ventilated warehouse & area.
- Highly soluble products are very hygroscopic: protect the products from humidity during handling & storage.
- Keep bags well closed, away from children. In case of contact with the eyes, rinse thoroughly with water and contact your physician.

5. SOME SPECIFIC RECOMMENDED APPLICATION RATES

<u>Crop</u>	<u>Conc.</u>	<u>Growth phase</u>	<u>Application volume</u>	<u>Application frequency</u>
Vegetables	0.5 – 1 %	vegetative	200 ltr/ha	every 15 days
Deciduous	0.5 – 1 %	spring flush	1,000 – 2,000 ltr/ha	2 treatments
Citrus	1 – 2 %	spring flush	2,000 – 4,000 ltr/ha	2 treatments
Cotton	2 – 5 %	before flowering	200 ltr/ha	2 treatments
	5 – 10 %		50 – 100 ltr/ha (LV)	2 treatments
Rice	1 – 4 %	tillering	200 ltr/ha	2 treatments
Olives	1 %	spring flush	1,000 ltr/ha	1 - 2 treatments
Wheat	5 – 10 %	before tillering	100 – 200 ltr/ha	1 - 2 treatments
Vineyard	1 – 2 %	spring flush	100 – 200 ltr/ha	2 treatments

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