



**PRODUCT INFO
& DATASHEET**

SICOGREEN®-S SUPER P45

Suspension N+P 10+30 (+ 0.35 B + 0.35 Zn) w/w

SICO's new innovative foliar fertiliser suspension for all crops with increased Phosphorus as well as substantial Boron and Zinc requirements.

1. PRODUCT DESCRIPTION

SICOGREEN®-S SUPER P45 is the innovative foliar fertiliser suspension for all crops in agriculture and horticulture with increased requirements of Phosphate as well as Boron and Zinc which cannot be supplied by soil fertilisation. Due to rapid fixation of Phosphate fertilisers in the soil insufficient P-supply via the roots can frequently occur.

SICOGREEN®-S SUPER P45 foliar application especially during periods of reduced P-availability can support the P-demand during critical stages. Dry late spring and early summer induce limited soil P-uptake. Such factors as well as unfavorable soil pH may also reduce availability of Phosphate, Boron, Zinc other micronutrients.

The addition of Nitrogen, Boron, Zinc and all other fully chelated micronutrients prevents unbalanced nutrition in the cultivated plants. The high Phosphate content allows for a quick correction of acute P-deficiency and a targeted prevention of latent deficiencies. **SICOGREEN®-S SUPER P45** is therefore the ideal foliar nutrition for effectively supplementing soil fertilisation.

2. NUTRIENT CONTENTS & CERTIFICATE OF ANALYSIS

Nutrient contents	% w/w	% w/v	g/l
Total N (nitrogen)	10.3	15	150
NH ₄ -N (ammoniacal nitrogen)	10.2	14.8	148
NH ₂ -N (carbamide nitrogen)	0.15	0.2	20
P2O5 (water soluble phosphate)	31.1	45	450
B (water soluble boron as borate)	0.35	0.5	5
Cu (water soluble copper as chelate of EDTA)	0.05	0.0725	0.73
Fe (water soluble iron as chelate of EDTA)	0.1	0.145	1.45
Mn (water soluble manganese as chelate of EDTA)	0.05	0.0725	0.73
Mo (water soluble molybdenum as molybdate)	0.001	0.0014	0.014
Zn (water soluble zinc as chelate of EDTA)	0.35	0.5	5
Others			
S (sulphate)	0.15	0.2	
Cl (chloride)	< 0.1	< 0.1	

3. PHYSICOCHEMICAL PROPERTIES

Appearance:	aqueous crystalline suspension
Density (20°C):	approx. 1.45 g/cm ³
pH-value (20°C) product:	approx. 6.2
Colour:	greyish black

4. BIOLOGICAL/TECHNICAL PROPERTIES & ADVANTAGES

- * extremely high and safe Phosphorus content
- * moderate Nitrogen content for the promoting P-foliar uptake
- * high Boron and Zinc content (fully chelated) for crops with higher demand (eg. corn, cotton, vegetables, fruit trees)
- * pH-regulation (buffering) of the spray solution to the slightly acidic range for optimum nutrient absorption and pesticide efficiency
- * super-chelation improves the water quality of the spray solution
- * compatible with most commonly used pesticides

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5. RATES AND METHODS OF USE

Crop	Timing	Rates of use * (l/ha)
Maize	6 – 8 and 10 – 12 leaf stage	2 l/ha
Wheat	tillering, 2 – node stage and pre-flowering stage	2 l/ha
Oilseed rape	4 – 6 leaf stage, begin of stem elongation and before bloom	2 l/ha
Soybean	V4 – V6 and R3	2 l/ha
Cotton	2 applications before flowering	2 l/ha
Rice	tillering and stem elongation	2 l/ha
Potatoes	tuber initiation and repeating after 14 days	2 l/ha
Sunflower	6 – 10 leaf stage	2 l/ha
Fruit trees	3 – 4* applications from pre-blossom stage to walnut size of the fruit 4 – 5* applications from the beginning of summer	1.5 l/ha
Vegetables	2 – 3 applications during the vegetation period	2 l/ha
Olive	before flowering, at fruit set and mid-summer	2 l/ha
Citrus	before flowering, at fruit set and during early fruit enlargement	2 l/ha
Buffering of the spray mixture	in conjunction with pesticide sprays	0.05 – 0.1 % (0.5 – 1 l/1000 l water)

* Applications at intervals of minimum 8-10 days.

6. PACKAGING

1 l / 10 l / 25 l / 100 l

7. NOTES

- Solubility : The mineral salt components are fully water soluble. The milkiness remaining in the solution is due to insoluble suspension auxiliary products.
- Hazard : Classification and labelling see safety datasheet.
- Transport : No dangerous goods.

8. PRECAUTIONS

When storing **SICOGREEN®-S SUPER P45**, temperatures below 5°C (41°F) and above +30°C (86°F) as well as frequent temperature fluctuations during transport and storage should be avoided. Too low temperatures can cause crystallisation. These crystals are fully water-soluble and will however easily dissolve again in the spray solution. Prolonged storage may also cause colour changes. Neither crystallisation nor colour change will in any way affect the desired physiological product quality in any way. When mixing with other products for the first time, test on a small scale before general use. As storage and application of fertilisers are beyond our control, we can only be held liable for the satisfactory quality of the product at the time of delivery.

The recommendations given here are of a general nature only. Please consult the special instructions for use before applying the product.