



STEFES Si



SUSPENSION FOLIAR FERTILIZER



Suspension fertilizer for immediate supplementation with silicon and enriched with key micronutrients

Content: 20% SiO₂ + microelements



STEFES Si is a new suspension fertilizer, characterized by anti-stress properties. It stimulates the plant's immunesystem, growth and development.



STEFES Si contains 20 % of easily assimilable silicon (SiO₂) that forms the cell wall ("protective filter") reinforcement and inhibits microbial penetration. Additionally, it prevents evaporation of water from plants, which has a direct impact on the improvement of the photosynthesis process and absorption of nutrients.



STEFES Si is environmental friendly and fully biodegradable.



Key advantages of STEFES Si

- Increased tolerance of plants to unfavorable crop conditions (e.g. drought and other abiotic stress)
- limited impact of biotic stress caused by pathogens and/or pests
- higher resistance to unfavorable weather conditions (drought, inadequate salinity of the soil, low temperatures)
- stimulation of root growth
- reinforced plant cell walls, increased resistance to mechanical damage (e.g. during harvest)
- less evaporation of plant water
- increased photosynthesis
- stimulation of the absorption and utilization of nutrients from soil
- improvement of yield, quality and storage properties of crops

Use recommendations

Crop	Number of treatments	Use rate l/ha	Time of application
Sugar beets	3	2-3	From 4-8 leaves unfolded (BBCH 14-18), from 9 leaves unfolded stage till closure of rows (BBCH 19-31), during rosette growth (crop cover), (BBCH 32-35)
Fruit trees	3	3-6	At the end of flowering: all petals fallen (BBCH 69), during the development of fruit (BBCH 72-77), during senescence, beginning of dormancy (BBCH 91-93)
Corn	3	2-3	From 2-6 leaves unfolded (BBCH 12-16), from 7 leaves unfolded till first node detectable (BBCH 17-31), from first node detectable till the beginning of tassel emergence (BBCH 31-51)
Oilseed rape	4	2-3	From 4-8 leaves unfolded (BBCH 14-18), from the beginning of side shoot development till 6 visibly extended internodes (BBCH 21-36), during the beginning of inflorescence emergence stage (BBCH 50-61), from full flowering till the beginning of fruit development (BBCH 63-73)
Strawberries	4	3-6	At early balloon stage (BBCH 58-59), at the end of flowering stage (BBCH 67), during the development of fruit (BBCH 73), during the maturity of fruit (BBCH 81-89), at the beginning of senescence, beginning of dormancy stage (BBCH 91-93)
Open field vegetables	2	2-3	During the development of harvestable vegetative plant parts (BBCH 41-48)
Winter cereals	3	1-3	From 3 leaves unfolded till the end of tillering (BBCH 13-29), from the stem elongation till the beginning of inflorescence emergence stage (BBCH 30-51), the last treatment till early milk stage (BBCH 51-73)
Potatoes	3	2-3	From 3-6 leaves unfolded (BBCH 13-16), from the leaf development till closure of rows (BBCH 21-39), during the development of harvestable vegetative plant parts (BBCH 42-49)

STEFES Si is miscible with most crop protection chemicals. However, we recommend to make a small compatibility test with those agents scheduled for mixing and spraying. Use the product on dry crops – not at high temperatures.

Macroelements	% of weight	% of volume
Silicon (SiO ₂)	14,29	20,00
Copper (Cu)	0,004	0,005
Manganese (Mn)	0,007	0,010
Zinc (Zn)	0,011	0,015

Density 1,40 kg/l, pH 5,0 – 6,0



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MISCIBLE WITH PLANT PROTECTION AGENTS