Lebosol®-Silicon

Compound inorganic micronutrient fertiliser
Mineral micronutirent fertiliser in suspension

0.5% Iron, water soluble, as ammonium salt (7 g/l Fe)
1.5% Water soluble zinc as chelate from EDTA (20 g/l Zn)

Also contains: 1.5% Nitrogen as ammoniacal nitrogen (20 g/l N)
45.3% Silicium trioxide (610 g/l SiO_3)

Crops with nutrient deficiency will be more susceptible against diseases and abiotic stress.
Foliar fertilization with macro-and micro-elements will ensure an optimized plant nutrition.

Crop	Aim/Problem	Recommendation	Time
In all crops	Increase in stress tolerance, yield, water balance, reduction in heat stress, improvement in root activity and nutrient uptake in general, cell wall strength and physical barrier	1 – 6 times 0.5 – 2 l/ha (Upon application with backpack sprayer 0.1%.)	When required
In all crops	Increase in stress tolerance, yield, water balance, reduction in heat stress, improvement in root activity and nutrient uptake in general, cell wall strength and physical barrier	Fertigation	Ask your consultant
Cereals	N efficiency, vitality, stem stability	2 – 3 times 0.5 – 1,5 l/ha	From 3-leaf-stage
Pasture land	Strengthening stress tolerance and improving nutrient uptake	2 – 4 times 0.5 – 1.5 l/ha	During the vegetation period

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Crop	Aim/Problem	Recommendation	Time
Potatoes	N-efficiency, shell quality, strengthening of stress tolerance	2 – 4 times 0.5 – 1 l/ha	From 6-leaf stage
Maize	Improvement of root development, vitality, stem stability	1 – 2 times 0.5 – 1.5 l/ha	From 4-leaf stage
Oilseed rape	Improvement of root development, vitality, stem stability	2 – 3 times 0.5 l/ha	From 4-leaf stage
Sunflowers	N-efficiency, vitality, stem sturdiness	1 – 2 times 0.5 l/ha	From 4-leaf stage
Sugar beet	Improvement of nutrient uptake, N-efficiency and stress tolerance	2 – 3 times 0.5 – 1.5 l/ha	From 6-leaf stage
Strawberries	Fruit quality, storage and transport stability	2 – 4 times 0.5 – 1 l/ha	From green buds
Pome fruit	Fruit quality, storage and transport stability	2 – 4 times 1 l/ha	Red buds
Stone fruit	Fruit quality, splitting resistance, storage and transport stability	2 – 3 times 0.75 – 1 l/ha	From full bloom
Soft fruit	Fruit quality, splitting resistance, storage and transport stability	2 – 4 times 0.5 – 1.5 l/ha	Start of shoot growth
Dessert grapes	Fruit quality, splitting resistance, storage and transport stability	2 – 4 times 0.5 – 1.5 l/ha	From the enlargement of the inflorescences
Citrus fruits	Fruit quality, storage and transport stability	2 – 4 times 1 l/ha	From white buds
Wine grapes	Fruit quality, splitting resistance, storage and transport stability	2 – 5 times 0.5 l/ha	From the enlargement of the inflorescences
Medicinal plants, scented plants and spice plants	Quality, splitting resistance, storage and transport stability	2 – 4 times 0.5 – 1 l/ha	Once sufficient leaf mass has developed
General vegetables	Improvement of nutrient uptake and stress tolerance, quality, storage and transport stability	2 – 4 times 0.5 – 1 l/ha	Once sufficient leaf mass has developed
Hops	Improvement of nutrient uptake and stress tolerance	2 – 4 times 0.5 – 1.5 l/ha	From 0.5 m growth height
Tobacco	Improvement of nutrient uptake and stress tolerance	2 – 3 times 0.5 – 1.5 l/ha	From 4-leaf stage
Christmas trees	Increasing stress tolerance	2 – 3 times 0.5 – 1 l/ha	From budding
Ornamental plants	Improved nutrient uptake and stress tolerance, stem stability	2 – 4 times 0.5 l/ha (50 ml per 100 l spray water)	Once sufficient leaf mass has developed

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Greens	Improved nutrient uptake and stress tolerance, stem stability	2 – 6 times 0.5 – 1 l/ha	During the vegetation period
Nuts	Fruit quality, storage and transport stability	2 – 4 times 0.5 – 1 l/ha	From swelling buds
Cotton	N efficiency, vitality, fibre stability	2 – 5 times 0.5 – 1 l/ha	From 4-leaf stage
Rice	Improved nutrient uptake and stress tolerance, stem stability	2 – 3 times 0.5 – 2 l/ha	From 3-leaf-stage

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