

Silipotach 380

COMPOSITION

Component	% w/w	% w/v
Potassium Silicate	38.0% w/w	52.44% w/v
Assimilable Silicon (Si)	11.59% w/w	16.0% w/v
Soluble Silicon Dioxide (SiO ₂)	14.92% w/w	20.60% w/v
Water-soluble Potassium Oxide (K ₂ O)	12.50% w/w	17.25% w/v
Density	1.38 g/cc	
pH	11.7	
Solubility	99.5%	

DESCRIPTION

Silipotach 380 is a concentrated liquid fertilizer based on potassium silicate, characterized by high solubility. It facilitates nutrient absorption and enhances root activity and stem strength, promoting growth and resistance to diseases. It also improves stress tolerance and aids in neutralizing soil toxins. The product absorbs moisture, reducing free water on aerial plant parts, thus creating a hostile environment for pathogens like *Botrytis cinerea*, *Sclerotinia* spp., powdery mildew, and downy mildew.

THE IMPORTANCE OF POTASSIUM

Potassium is an essential nutrient in agriculture. Although present at 2.3% in the earth's crust, much is locked in primary and secondary minerals, making it unavailable to plants. Clay soils typically contain more potassium than light soils. Potassium in soil exists in three forms: structurally bound in minerals, exchangeable on colloids, and soluble in soil water (the most available form). Its functions include enhancing drought resistance, improving disease tolerance, and contributing to quality traits in fruits and vegetables. It supports water regulation, photosynthesis, sugar transport, and protein synthesis.

FOLIAR APPLICATION

Crop	Dose	Instructions
Citrus and Fruit Trees	150-200 cc/hl	2-3 applications
Vegetables	100-200 cc/hl	2-3 applications
Flowers and Ornamentals	100-200 cc/hl	2-3 applications
Tropical Fruit Trees	150-250 cc/hl	2-3 applications
Olives and Grapevines	150-250 cc/hl	2-3 applications
Herbaceous and Woody Crops	100-250 cc/hl	2-3 applications

FERTIGATION

Crop	Dose	Instructions
Citrus and Fruit Trees	7-10 L/ha	Multiple applications from fruit set to ripening
Vegetables	4-7 L/ha	Multiple applications from fruit set to ripening
Flowers and Ornamentals	4-7 L/ha	Multiple applications from fruit set to ripening
Tropical Fruit Trees	5-10 L/ha	Multiple applications from fruit set to ripening
Olives and Grapevines	4-9 L/ha	Multiple applications from fruit set to ripening

INCOMPATIBILITIES

Silipotach 380 should be used alone if possible due to its alkaline nature. If mixed, check the pH after adding Silipotach 380 and adjust to neutral with a pH regulator before adding other products.

WARNINGS

- Keep out of reach of children.
- Keep away from food, drink, and animal feed.

OTHER EFFECTIVE CROPS

Tobacco, Corn, Cotton, Tomato, Beetroot, Potato, Banana, Coconut, Rice, Cabbage, Forage, Sugarcane

PRESENTATION

