



HaifaStim™ Wall-Up

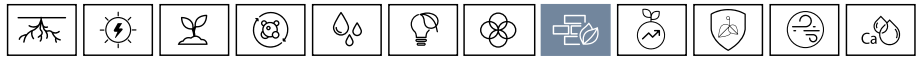
Improves the plant's resistance to abiotic stresses and increases mechanical strength



Pioneering the Future.



HaifaStim™ Wall-Up



HaifaStim™ Wall-Up products are concentrated formulations that provides plants with highly efficient Silicon, based on innovative Orthosilicic Acid technology.

Haifa Stim™ Wall-Up formulations are enriched with fully water-soluble chelated micronutrients.

HaifaStim™ Wall-Up line helps build plant's cell walls, thus enhancing mechanical strength, increasing tolerance to abiotic stresses and improving yield quality.

HaifaStim™ Wall-Up is available as a liquid or as a powder (HaifaStim™ Wall-Up S) formulation, both ideal for foliar application, Nutrigation™ and hydroponics.

ACTIVITY & BENEFITS

Enhances the plant's mechanical strength



HaifaStim™ Wall-Up delivers Si inside the plant tissues, forming 'phytoliths' that enhance the mechanical resistance of plant tissues. HaifaStim™ Wall-Up promotes thickening and uniformity of the fruit epidermis. In addition, when applied foliar, it limits the emergence of micro damage, preventing the formation of dangerous entry sites.

Improves water use efficiency



The Silicon from HaifaStim™ Wall-Up increases the strength of plant membranes, thus reducing evapotranspiration during drought, high temperatures stress, cracking and fruit physiological disorders, such as Blossom-End Rot (BER) or Bitter Pit. HaifaStim™ Wall-Up also induces lateral root growth, thus improving water uptake from the soil.

Increases productivity and improves yield



HaifaStim™ Wall-Up boosts flowering and increases pollen vitality. Due to the effect of Silicon on cell walls, HaifaStim™ Wall-Up increases fruit size, improves fruit quality and extends the post-harvest life of edible parts of the crop.

The only form of Silicon available to plants



Orthosilicic Acid could be absorbed easily by the roots, while it is the only form of Silicon (Si), that could penetrate by the leaves to fulfill its physio-nutritional action inside the plant tissues.

Coordinates the absorption and transport of Calcium, Phosphorus and Potassium



Through its synergistic action, HaifaStim™ Wall-Up formulations maximize nutrient use efficiency and improve nutrient translocation within the plant.

HaifaStim™ Wall-Up S

HaifaStim™ Wall-Up S is a solid formulation based on orthosilicic acid and chelated Iron (Fe) which prevents and treats Iron deficiencies caused by chlorosis. Iron EDTA and DTPA chelates makes HaifaStim™ Wall-Up S suitable for fertigation in calcareous soils and for soilless hydroponics systems.

COMPOSITION

Silicon Oxide (SiO ₂) total	42.8 %
Silicon (Si)	20.0 %
Water soluble Iron (Fe)	5.0 %
Iron (Fe) chelated	4.0 %
Iron (Fe) chelated with EDTA	1.7 %
Iron (Fe) chelated with DTPA	1.7 %

PROPERTIES

Specific weight	550 g/cm ³
Solubility	1000 g/l
pH and Electric Conductivity (EC)	
pH (0.1 % solution)	8.3
pH (1.0 % solution)	8.1
EC (0.1 % solution at 25°C)	0.2 mS/cm
EC (1.0 % solution at 25°C)	1.8 mS/cm

STORAGE AND HANDLING

- Store in a well aerated place, away from direct sunlight.
- Suitable storage temperature: +5°C - +30°C.

PACKAGING

1 kg bags in 12 kg box on 1008 kg pallet

5 kg bags on 1140 pallet

25 kg bags on 1000 kg pallet



Product suitable for use in Organic Farming in accordance with Regulations (UE) No 2018/848 and 2021/1165



HaifaStim™ Wall-Up

HaifaStim™ Wall-Up is a liquid formulation based on Orthosilicic Acid and EDTA chelated Copper (Cu), Manganese (Mn) and Zinc (Zn).

COMPOSITION

Silicon Oxide (SiO ₂) total	8.5 %
Silicon (Si)	4.0 %
Copper (Cu) chelated with EDTA	0.8 %
Manganese (Mn) chelated with EDTA	0.8 %
Zinc (Zn) chelated with EDTA	1.1 %

PROPERTIES

Density (at 25°C)	1.23 g/cm ³
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pH and Electric Conductivity (EC)

pH (10 % solution)	4.2
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EC (10 % solution at 25°C)	6.8 mS/cm
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STORAGE AND HANDLING

- Store in a well aerated place, away from direct sunlight.
- Suitable storage temperature: +5°C - +30°C.
- In case of spillage absorb the product with sand or soil and collect into a dedicated bin.
- **Shake well before use.**

PACKAGING

1 l (1.23 kg) bottles in 12 l (14.76 kg) box on 924 l (1136.52 kg) pallet

5 l (6.15 kg) canisters in 10 l (12.3 kg) box on 1000 l (1230 kg) pallet



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APPLICATION

Foliar application: apply during the critical phases of plant development and growth. Repeat the application every 10-14 days.

HaifaStim™ Wall-Up
1-1.5 l/ha

HaifaStim™ Wall-Up S
0.2-0.6 kg/ha






















Nutrigation™: apply during the period of maximum production and/or absorption of nutrients, repeat application every 10-14 days.

HaifaStim™ Wall-Up
every 3rd-5th Nutrigation cycle
2-3 l/ha/application

HaifaStim™ Wall-Up S
6-7 applications
1-1.5 kg/ha/application

Hydroponics: apply throughout the life cycle of the plant. Recommended concentration in the nutrient solution (at dripper level): 3 ppm of Si.

SPECIFIC RECOMMENDATIONS FOR FOLIAR SPRAYS:

Crops	N° application	Timing			
Cereals	2-4	Tillering, stem elongation and from heading to early milk maturity of grains			
Leafy vegetables and Brassicaceae	4-5	From 5-6 true leaves unfolded and during leaf development Cauliflower: from the beginning of head development Cabbages: starting when head reaches 50% of typical size			
Tomato, Pepper, Cucumber, Eggplant, Melon, Watermelon, etc.	4-5	From leaf development on the main shoot to fruit development			
Citrus, Olives and Tropical Fruits	4-6	From the vegetative growth until fruit ripening			
Stone fruits and Pomefruits	4-6	Green bud stage, white bud stage, after flowering, during fruit development and at the beginning of fruit ripening			
Soft fruits	4-6	4-6 leaves unfolded, early flowering, petal fall, fruit set, fruit development, beginning of fruit ripening			
Vineyards and Table Grapes	4-6	4-6 leaves unfolded, inflorescence elongating, early flowering, petal fall, fruit set, berry touching, before veraison			



Try our other HaifaStim™ products:



HaifaStim™ HumiK



HaifaStim™ VIM



HaifaStim™ Booster



HaifaStim™ Calmaster



HaifaStim™ Vigor



HaifaStim™ Combat



HaifaStim™ Force



HaifaStim™ Promo



HaifaStim™ Vital



HaifaStim™ Rally



HaifaStim™ eNergy



HaifaStim™ KIR