Haifa

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 ortho-silicic acid technology.

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

HaifaStim™ Wall-Up products 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), both ideal for foliar application and also suitable for Nutrigation.

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.

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, thus improving productivity and increasing yield. Due to the effect of silicon on cell walls, HaifaStim™ Wall-Up increases fruit size, improves fruit quality and extends post-harvest life.

HaifaStim™ Wall-Up

Liquid formulation, enriched with EDTA chelated micronutrients.

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

pH (in 10% solution)	4.2
Electrical conductivity EC (10% Solution at 20°C)	6.8 mS/cm
Density	1.23 kg/l

STORAGE AND HANDLING

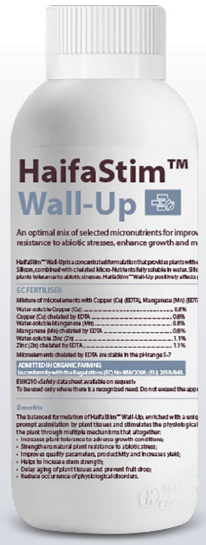
- Store in a well aerated place, away from direct sunlight.
- Suitable storage temperature: +5°C - +30°C.
- In case of spillage absorb the product with sand or soil and collect into a dedicated bin.

PACKAGING

1 Liter bottle (1,23 kg) in 14,76 kg boxes (1136.52 kg on pallet)

5 Liter canister (6.15 kg) in 12.3 kg boxes (1230 kg on pallet)

Suitable in Organic Farming according to Regulations EU 2018/848 and 2021/1165



HaifaStim™ Wall-Up S

Solid formulation, enriched with iron (Fe), helps prevent 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 as Fe-EDTA	1.7%
Iron as Fe-DTPA	1.7%

PROPERTIES

pH (in 10% solution)	7.8
Electrical conductivity EC (1% Solution at 20°C)	2.0 mS/cm
Solubility	1000 g/l

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 boxes (1008 kg on pallet)

5 kg bags (1140 kg on pallet)

25 kg bags (1000 kg on pallet)

Suitable in Organic Farming according to Regulations EU 2018/848 and 2021/1165

APPLICATION

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

HaifaStim™ Wall-Up	HaifaStim™ Wall-Up S
every 3rd-5th Nutrigation cycle 2l/ha/application	1kg/ha/application

Hydroponics: Use HaifaStim™ Wall-Up S, apply throughout the life cycle of the plant. Recommended concentration in the nutrient solution (at dripper level): 3 ppm of Si.

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

HaifaStim™ Wall-Up	HaifaStim™ Wall-Up S
1l/ha	200-300 g/ha

SPECIFIC RECOMMENDATIONS FOR FOLIAR SPRAYS ON SELECTED CROPS:

Crops	Applications	Timing
Cereals	2-4	Tillering, stem elongation, heading – until early milk maturity of grains.
Leafy vegetables & Brassicaceae	4-5	5-6 true leaves unfolded, leaf development. Cauliflower: beginning of head, head development. Cabbages: head reaches 60-80% of typical size.
Tomato, Pepper, Cucumber, Eggplant, Melon, Watermelon, etc.	4-5	Leaf development on the main shoot, 1-3 inflorescences visible, first flower opens, first fruit has reached typical size on 1 cluster, fruit development on the next clusters.
Citrus, Olives & Tropical Fruits	4-6	More than 5 visible leaves, not yet at full size, shoot about 20% of final length, flowers visible but still closed (green bud) - until white bud phase. Beginning of fruit development – until beginning of natural fruit drop. Beginning of fruit coloring – until fruit ripening.
Stone fruits, Pomefruits, Pear, Apple	4-6	Green bud stage. White bud stage, flowers fading, majority of petals fallen until end of flowering. Fruit reaches 60-70% of typical size, 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	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™ **Vigor**
- HaifaStim™ **Booster**
- HaifaStim™ **Force**
- HaifaStim™ **Vital**
- HaifaStim™ **eNergy**
- HaifaStim™ **VIM**
- HaifaStim™ **Promo**
- HaifaStim™ **Combat**