



HaifaStim™ Force

Supports synthesis of amino acids and proteins and saves metabolic energy;
Super-fast assimilation



Pioneering the Future.



HaifaStim™ Force



HaifaStim™ Force is a physio-nutritional supplement for plants that contains an ideal composition of bioactivating ingredients from a vegetal source. It is a natural liquid extract that combines the bioactive force of polyphenols, mannitol, betaines and L-amino acids.

HaifaStim™ Force promotes cell proliferation and growth, supports the production of amino acids and proteins, facilitates antioxidants activity under stress conditions and optimizes the metabolic balance of the plants.

HaifaStim™ Force is ideal for Nutrigation™ and foliar application.

ACTIVITY & BENEFITS

Acts as antioxidant



HaifaStim™ Force contains polyphenolic complexes, plant peptides and sugars that support the antioxidating activity of the plant through their direct stress alleviating action. Furthermore HaifaStim™ Force induces synthesis of enzymes and other compounds that relieve oxidative stresses. In addition, amino acids and compatible osmolytes such as betaine, proline and mannitol allow rapid recovery from abiotic stresses caused by drought or thermal peaks.

Improves fruit production



The ideal balance of plant hormones (cytokinins and auxins) in HaifaStim™ Force supports reproductive processes in the plant. The L-lysine, L-methionine, L-glutamic acid and the short-chain peptides promote pollen production and ovary fertility, thus enhancing fruit set and reducing the incidence of dropping.

Increases fruit quality



Betaines, proline and mannitol reduce chlorophyll degradation, thus supporting photosynthesis and increasing the content of assimilation products within the fruit.

Enhances lateral root growth



The cytokinins in HaifaStim™ Force improve the development of the lateral root system. This increases the energetically active absorption surface, resulting in better nutrient and water use efficiency. The low pH (3) and the presence of amino acids improve the solubility, mobility and availability of micronutrients in the soil.

Induces growth of lateral shoots



When HaifaStim™ Force is applied by foliar spray, the auxins and cytokinins improve the development of lateral shoots, thus improving the plant's capability to bear fruits, increasing fruit weight and improving fruit color. Rich in L-lysine, L-methionine and L-glutamic acid, HaifaStim™ Force regulates fruit growth and ripening.

COMPOSITION

Total Nitrogen (N)	3.0 %
Organic Nitrogen (N)	3.0 %
Total Organic Carbon (TOC) of Biological Origin	10.4 %
Bioactive compounds (vegetal origin)	
Total Aminoacids and Peptides	15.0 %
Free L-Aminoacids	10.1 %
Mannitol	0.22 %
Betaine	0.17 %
Cytokinin (of natural origin)	112 ppm
Auxin (of natural origin)	24 ppm

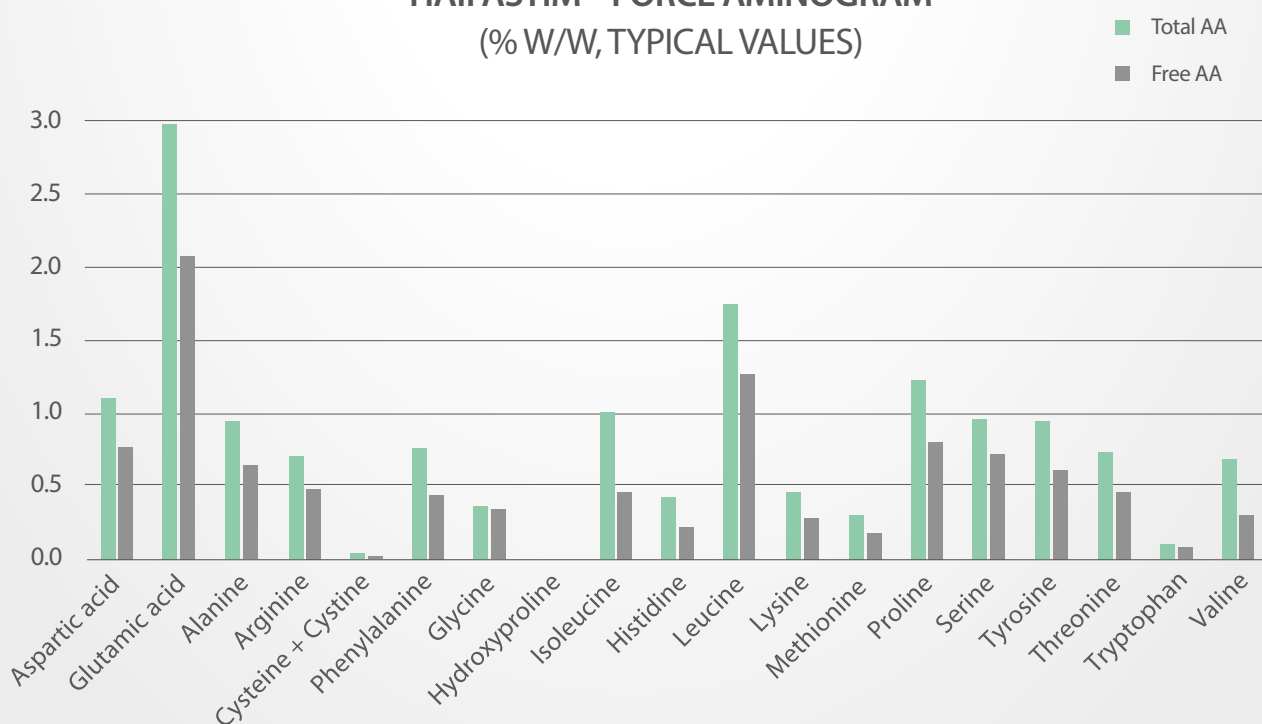
PROPERTIES

Density (at 25°C) 1.12 g/cm³

pH and Electric Conductivity (EC)

Concentration	1 %	3 %	10 %	100 %
EC (mS/cm at 25°C)	2.7	7.2	15.0	60.0
pH	3.4	3.1	3.0	2.7

HAIFASTIM™ FORCE AMINOGRAM (% W/W, TYPICAL VALUES)








APPLICATIONS

Apply at least 2-4 times throughout the growth cycle, from the stage of vegetative growth onwards. It is highly recommended to apply **HaifaStim™ Force** when weather conditions are harsh.

Nutrigation™: the recommended application rate is 10-15 l/ha. Apply at the beginning of vegetative growth to revitalize the rhizosphere and repeat application every 2-3 weeks to improve the efficiency of fertilization.

Foliar application: the average spray concentration is 450 ml/hl.

SPECIFIC RECOMMENDATIONS FOR FOLIAR SPRAYS:

Crops	Recommended Dosage	Timing	
Leafy vegetables	200-300 ml/hl	3-4 applications at 7-10 day intervals. It is recommended to combine with Haifa Urea LB	
Tomato, Pepper, Cucumber, Eggplant, Melon, Watermelon, etc.	300-400 ml/hl	From the first visible flowers until harvest	
Citrus and Tropical fruits	400-600 ml/hl	Pre and post flowering, fruit setting, early fruit growth, post-harvest and when stress conditions develop	
Fruit Trees (Stone fruits, Pomefruits, Softfruits), Olives etc.	400-600 ml/hl	Pre and post flowering, fruit setting, early fruit growth, post-harvest and when stress conditions develop	
Vineyards	300-400 ml/hl	Before flowering, after fruit setting and before veraison	
Table Grapes	300-500 ml/hl	3-4 applications at 8-10 day intervals from Ø 2mm berries	

COMPATIBILITY

- **HaifaStim™ Force** is compatible with most plant protection products and foliar fertilizers, except for products with a high-alkaline reaction. Do not mix with Copper and Sulfur preparations. To ensure compatibility, carry out a small-scale test before preparing a tank mix.

STORAGE AND HANDLING

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

PACKAGING

1 l (1.12 kg) bottles in 12 l (13.44 kg) box on 432 l (483,84 kg) pallet

5 l (5.6 kg) canister in 20 l (22.4 kg) box on 640 l (716,8 kg) pallet

20 l (22.4 kg) canister on 640 l (716.8 kg) pallet



Product suitable for use in Organic Farming in accordance with Regulations (UE) No 2018/848 and 2021/1165.
Control ECOCERT SA F - 32600





Try our other HaifaStim™ products:



HaifaStim™ HumiK



HaifaStim™ Wall-Up



HaifaStim™ Booster



HaifaStim™ Calmaster



HaifaStim™ Vigor



HaifaStim™ Combat



HaifaStim™ Vital



HaifaStim™ Promo



HaifaStim™ eNergy



HaifaStim™ Rally



HaifaStim™ VIM



HaifaStim™ KIR