



HaifaStim™ eEnergy

Improves plant's energy balance,
overcoming all kinds of abiotic stresses



Pioneering the Future.



HaifaStim™ eNergy



HaifaStim™ eNergy supports the metabolic activity. Delivering strong lipophilic osmo-protectants to the plant cells, it maximizes the absorption and translocation of nutrients through the hydrophobic leaf membranes. Thus, HaifaStim™ eNergy optimizes the performance of the plant under stress conditions for better yield.

HaifaStim™ eNergy is a liquid formula with high lipophilic nature, rich in low molecular weight bioactive molecules, amino acids and peptides. It is ideal for foliar spray applications and suitable also for Nutrigation™.

ACTIVITY & BENEFITS



Alleviates abiotic stresses

The high content of the lipophilic, low molecular weight amino acids proline, glycine and hydroxyproline in the product, guarantees prompt response of the plant to drought, salinity and heat stresses. HaifaStim™ eNergy also stimulates synthesis of molecules with stress-mitigating action.



Supports photosynthesis

HaifaStim™ eNergy protects the chlorophyll molecule from oxidation, thus increasing the rate of photosynthesis and preventing chlorosis.



Improves foliar uptake of nutrients

Due to the lipophilic nature of the product, its low pH and high miscibility, HaifaStim™ eNergy enhances the efficacy of foliar-applied nutrients and plant protection products.



Facilitates assimilation of Nitrogen

The short-chain peptides stimulate the activity of the enzymes nitrate-reductase, nitrite-reductase, glutamate-dehydrogenase and malate-dehydrogenase, which are responsible for the assimilation of Nitrogen into organic compounds.



Improves the efficiency of micronutrients

The amino acids in HaifaStim™ eNergy efficiently form complexes with micronutrients, making them more stable and improving their availability to plants. They also stimulate the synthesis of the enzyme Iron chelate-reductase, which is crucial for the absorption and assimilation of Iron. High content of L-arginine and L-glutamic acid encourages microbial activity, which, in turn, facilitates the uptake and transportation of micronutrients.

COMPOSITION

Total Nitrogen (N)	10.0 %
Organic Nitrogen (N)	10.0 %
Total Organic Carbon (TOC) of biological origin	30.0 %
C/N ratio	3

Bioactive compounds

Total Aminoacids and Peptides	64.0 %
Free L-Aminoacids	10.0 %

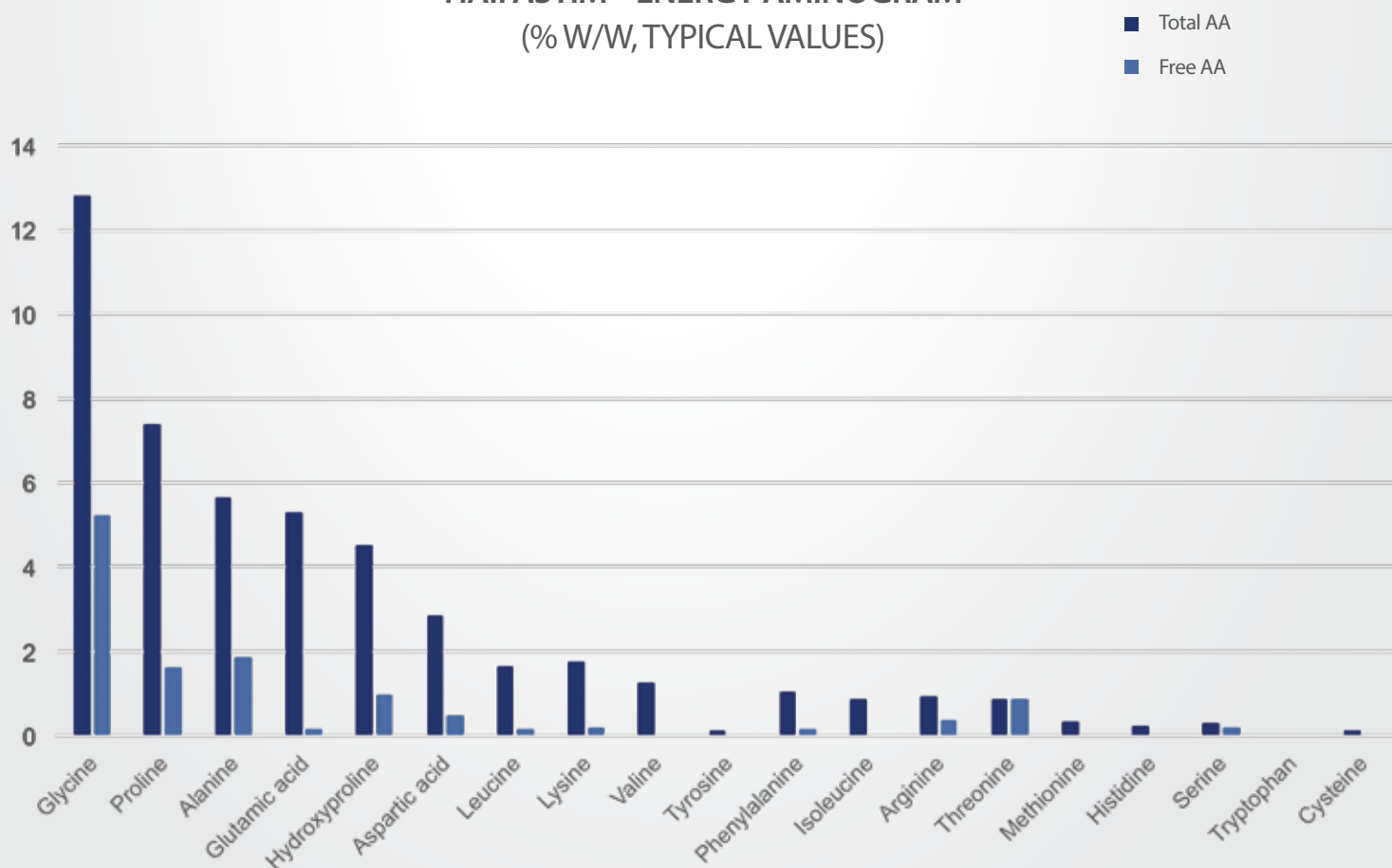
PROPERTIES

Density (at 25°C)	1.25 g/cm ³
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pH and Electric Conductivity (EC)

Concentration	0.1 % solution	0.3 % solution
EC (at 25°C)	0.16 mS/cm	0.42 mS/cm
pH	5.3	5.4

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







APPLICATION

Foliar application: the recommended average dosage is 2-3 l/ha at a tank water volume of 600-1000 l/ha, 3-4 treatments throughout the growth season. Apply the lower dosage to crops in greenhouses or tunnels, while the higher rates can be used in open fields and for crops that are stressed or with slowed metabolic activity. In combination with fungicides and insecticides, apply at a dose of 100 -150 ml/hl. In combination with herbicides, the recommended dosage is 0,5-2 l/ha, using the lower rate with microdoses of herbicide.

Nutrigation™: 4-5 l/ha per application.

SPECIFIC RECOMMENDATIONS FOR FOLIAR SPRAYS:

Crops	Recommended Dosage *	Timing	
Cereals	100-200 ml/hl	In combination with herbicides and fungicides	
Vegetables	150-200 ml/hl	From transplanting to the period of intense vegetative growth, 2-3 applications every 7-10 days	
Fruit Trees	150-250 ml/hl	From bud breaking to the stage of intense vegetative growth, 3-4 applications every 15-20 days	
Vineyards and Table Grape	150-200 ml/hl	From bud breaking to intense vegetative growth, 3-4 applications every 10-15 days	

*The doses refer to so-called "normal" spraying volumes: 600 l/ha for herbaceous, 1000 l/ha for vineyards and 1200 l/ha for fruit trees.

COMPATIBILITY

- **HaifaStim™ eNergy** can be mixed with most common foliar fertilizers and plant protection products. Avoid high concentrations of tank-mix solutions. When applying together with Sulfur, do not exceed spray concentration of 0.1%.
- Add enough water to ensure the complete dissolution of mixes. Do not apply together with or soon after Copper-based products. 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 - 30°C.
- In case of spillage absorb the product with sand or soil and collect into a dedicated bin.

PACKAGING

- 1 l (1.25 kg) bottles in 20 l (25 kg) box on 840 l (1050 kg) pallet
- 5 l (6.25 kg) canisters in 20 l (25 kg) box on 1000 l (1250 kg) pallet



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





Try our other HaifaStim™ products:



HaifaStim™ HumiK



HaifaStim™ Wall-Up



HaifaStim™ Booster



HaifaStim™ Calmaster



HaifaStim™ Vigor



HaifaStim™ Combat



HaifaStim™ Force



HaifaStim™ Promo



HaifaStim™ Vital



HaifaStim™ Rally



HaifaStim™ VIM



HaifaStim™ KIR