

# HaifaStim<sup>™</sup> VIM

Enhances root activity, improves soil fertility and increases nutrient use efficiency



**Pioneering the Future.** 



### HaifaStim™ VIM



**HaifaStim™ VIM** is a concentrated suspension of pure micronized Leonardite, a rich source of humic and fulvic acids. Based on advanced production technology, HaifaStim<sup>™</sup> VIM features the highest concentration and quality of humic and fulvic acids in an ideal ratio of 5 to 1. It is an acidic pH formulation that contains also the vital humin and ulmic acids fractions.

**HaifaStim<sup>™</sup>VIM** is ideal for Nutrigation<sup>™</sup> and recommended for use throughout the plant's growth cycle.

#### **ACTIVITY & BENEFITS**



#### Improves soil properties

HaifaStim<sup>™</sup>VIM is rich in organic matter and contains bioactive components which are vital for developing soil microbiome. Humic, fulvic, humin and ulmic acids improve the soil's porosity and aeration.



#### Increases nutrient availability

By increasing the soil's cation exchange capacity (CEC) and by enriching the soil with compounds that form complexes, HaifaStim<sup>™</sup> VIM improves the availability of essential cations and micronutrients, as like Phosphorus (P) and Iron (Fe).



#### **Enhances root activity**

HaifaStim <sup>TM</sup> VIM increases the root surface and enhances the activity of membrane transport proteins, thus facilitating the absorption of nitrates (NO<sub>3</sub><sup>-</sup>), phosphates (PO<sub>4</sub><sup>3-</sup>) and sulfates (SO<sub>3</sub><sup>2-</sup>).



#### Act against drought and salinity stresses

HaifaStim<sup>™</sup>VIM, thanks to its content of Humic acids, can reduce the over-salination problem in the soil, especially in areas where too much irrigation has resulted in salt toxicities: humic substances can adsorb anions and cations, preventing them from being available for root uptake and providing a compensation for any deficit of organic substances in rhizosphere.

#### **APPLICATIONS**

**HaifaStim<sup>™</sup>VIM** is suitable for greenhouse vegetables, orchards, vineyards, olive, citrus, strawberry, ornamental plants and turf. HaifaStim<sup>™</sup> VIM stimulates rooting, thus highly recommended for rooted cuttings and seedlings in the nursery.

**Nutrigation™:** it is recommended to apply 15-30 l/ha/year divided into 3-4 applications throughout the season. Higher rates are recommended in soils poor in organic matter, for dense crops or intensive crop rotations and when quick rooting and plant establishment is crucial.

Foliar application: 200-300 ml/hl, 3-4 applications/year.

#### **SPECIFIC RECOMMENDATIONS FOR NUTRIGATION™:**

Crops	Recommended Dosage	Timing	_		
Vegetables	8-10 l/ha	From transplanting, 3-4 applications every 14 days	Mar	*	<b>A</b>
Fruit Trees	4-5 l/ha	From bud breaking during vegetative stage, 3-4 applications every 14 days	<b>K</b>	R	
Strawberries	8-10 l/ha	From transplanting to the beginning of vegetative growth, 2-3 applications every 14 days			
Vineyards and Table Grapes	8-10 l/ha	From bud breaking during vegetative stage, 3-4 applications every 14 days			
Citrus	3-5 l/ha	After frui set, 2-4 applications every 10 days			

#### COMPOSITION

Humic and Fulvic Acids	24.0 %
Humic Acids	20.0 %
Fulvic Acids	4.0 %

#### PROPERTIES

Density (at 25°C)	1.12 g/cm <sup>3</sup>					
pH and Electric Conductivity (EC)						
Concentration	1 g/l	3 g/l				
EC (at 25°C)	0.04 mS/cm	0.07 mS/cm				
рН	5.7	4.9				

#### COMPATIBILITY

• Due to its acidic pH, **HaifaStim<sup>™</sup> VIM** can be mixed with all fertilizers and agrochemicals. Avoid mixing with high concentrations of Calcium, Magnesium and Sulfur-based products. To ensure compatibility, carry out a small-scale test before preparing a tank mix.

#### **STORAGE AND HANDLING**

- 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.
- Shake before use to dismantle precipitates that sometimes form during storage.

#### PACKAGING

- 1 l (1.12 kg) bottles in 20 l (22.4 kg) box on 840 l (940.8 kg) pallet
- 5 l (5.6 kg) canisters in 20 l (22.4 kg) box on 1000 l (1120 kg) pallet





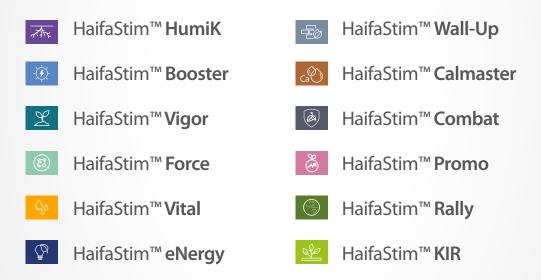
Product suitable for use in Organic Farming in accordance with Regulations (UE) No 2018/848 and 2021/1165

#### Pioneering the Future.

Cutting edge agronomic solutions by Haifa.



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