



BactoStim™

PEPTONE RICH PLANT GROWTH ENHANCER AND BIOSTIMULANT

Registration pending

Product description:

BactoStim™ is a dark brown, water-soluble protein hydrolysate. The enzymatically hydrolyzed product is rich in **nitrogen containing peptones**, various **carbon sources** and **chelating agents**, which enhance both plant and microbial growth.

General information:

- The combination of peptones (proteins, peptides and amino acids) and carbohydrates (C:N ratio of 2:1) acts as a fast, medium and slow-release nutrient source for soil microbes.
- Increases the cation exchange capacity in the root zone.
- Acts as a natural chelate for micro and macro elements.
- Increases the absorption rate of most plant nutrients.
- Enhances photosynthesis by promoting chlorophyll formation.
- Stimulates root and shoot growth.
- Increases crop resilience to stress.

Packaging:

25 ℓ plastic containers, 1000 ℓ “flow-bins” or bulk containers.

Typical analysis:

Macro elements (g/L)			SG, pH and particle size			
N	P	K	C	SG (kg/L)	pH	Part size (µm)
21.9	10.1	25.3	49.6	1.16	8.5	<200

Heavy metals (ppm)*:

Sb	Pb	As	Hg	Cd
<0.25	<0.25	<0.25	<0.15	<0.075

*Heavy metals of **BactoStim™** protein hydrolysate is less than acceptable international norms.

Dosage rates:

Soil application rate: Apply 15 L/ha 2-3 times during active root growth with fertilizer application.

For best results, use in combination with **AminoFix™ - 3000**.

Contact your nearest agent for detailed application program.

Recommendations:

- **BactoStim™** is compatible with all known liquid and water-soluble fertilizers.
- Can be applied through any irrigation system.
- When using with pesticides where pH may influence the effectiveness of the product, a suitable pH buffer must be added.
- Use the standard preventative maintenance programs for drip irrigation systems as supplied by your local irrigation specialist.
- To prevent microbial build-up in drip irrigation lines during fertigation, flush once weekly with clean water.

Storage:

Store in a cool, dry area away from direct sunlight.

Disclaimer:

To the best of our knowledge, the information contained herein is accurate, neither the above-named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any materials is the sole responsibility of the user.

For more technical information, contact your nearest agent.