



PEPTECH BIOSCIENCES LIMITED

(Titan Biotech Ltd. Group)

G-1, 636, RIICO Industrial Area, Chopanki, Bhiwadi-301019 (Raj.)
CIN : U33110RJ2011PLC037007 | E-mail : sales1@peptechbio.com

Product Specification

AMINOFERT-ZINC

(ZINC AMINO ACID CHELATE - ZN 12%)

AC 009

‘Aminofert-Zinc’ Zinc Amino Acid Chelated Powder is for foliar application on plants to prevent or correct nutrient deficiency that may limit crop growth and yield. It is nontoxic to plants when applied. For best results, apply Aminofert-Zinc soluble powder as per recommendations based on plant tissue or soil analysis. It is approved for organic production.

Aminofert-Zinc (Zinc Amino Acid Chelated Powder) contains 12% as Zinc and 30% amino acids (as protein hydrolyzed).

Aminofert-Zinc (Zinc Amino Acid Chelated Powder) is white to off white color free flowing powder, soluble in water and clear solution.

DEFICIENCY SYMPTOMS:

- Zinc deficiency is first noticed on young leaves.
- Zinc deficiency tends to result in stunted growth and small leaves.
- Zinc deficiency causes interveinal chlorosis, and new leaves remain small. Whitish patches developed on leaves.
- Due to zinc deficiency poor root growth is observed in Citrus, Paddy, and Maize.

STANDARD SPECIFICATION:

PHYSICAL PARAMETERS

S.L. No.	PRODUCT PARAMETERS	SPECIFICATION
1.	Appearance	White to Off white color free flowing powder.
2.	Solubility (10% soln.)	Soluble in water.

CHEMICAL PARAMETERS

S.L. No.	PRODUCT PARAMETERS	SPECIFICATION
1.	pH (2% soln. at 25°C)	5.0-7.0
2.	Zinc Content (Zn)	NLT-12.0%
3.	Total Nitrogen Content	NLT-5.0%
4.	Amino acid Contents	NLT-30.0%
5.	Loss On Drying (at 105°C)	NMT-7.0%

BENEFITS:

- Zinc is involved in plant carbon metabolism.
- Zinc is a necessary component of several enzyme systems that regulate metabolic activities within plants.
- Zinc stimulates the synthesis of Tryptophan and I.A.A.



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- Zinc is part of an enzyme that regulates the equilibrium among carbon dioxide, water, and carbonic acid.
- Zinc is a part enzyme that plays a role in protein metabolism.
- Zinc is essential for the formation of chlorophyll and in the process of photosynthesis.
- Zinc is found to be associated with water relations in plants and improves water uptake.

DIRECTIONS:

Apply Aminofert-Zinc by a spray method and in an adequate amount of water that will provide complete coverage of the plants. Use of a non-ionic wetting agent may improve spray coverage of certain hard to wet plants.

Aminofert-Zinc Soluble Powder can be included in a regular spray on crops and compatible with other spray material.

The rate of application will be depend on the crops, leafy vegetables, woody and herbaceous ornamentals, deciduous fruits, vine crops, tropical and subtropical fruits, and many other crops.

Aminofert-Zinc Soluble powder may be used on legumes, grain crops, root crops, cucurbits, cole crops, leafy vegetables, woody and herbaceous ornamentals, deciduous fruits, vine crops tropical and subtropical fruits, and many other crops.

DOSAGE:

Field Crops & Vegetables

Apply Aminofert-Zinc 200 to 400 gm per acre during periods of rapid growth or nutritional stress. The application may be repeated twice or more times through the growth season.

Tree Crops

Make an application of Aminofert-Zinc 200 to 600 gm per acre after the beginning of active growth. The application may be repeated at 2 to 4 weeks intervals through the growth season. On deciduous trees, 200 to 400 gm per acre of Aminofert-Zinc may be applied in the oil sprays at the delayed dormant stage; post-harvest applications of Aminofert-Zinc 400 to 600 gm per acre may be made while active, green leaves remain on the trees.

Grapes & Berries

Make an application of Aminofert-Zinc 200 to 400 gm per acre after active growth begins. The application may be repeated at intervals of one week or more through the vegetative growth period.

INSTRUCTIONS:

Initially Soluble Powders will require special mixing attention. Like Soluble Powders have a tendency to clump when introduced to liquids. Because of this, take every step possible within the requirements to make these materials as user-friendly as possible.

Care should be taken to ensure that the materials are fully mixed and disposed throughout the spray tank. One way to assure proper dispersion is to place the required amount of powder into a bucket of water. After fully



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mixing, the product be added to the spray tank. You can then mix the next spray tank worth of powder in a bucket and let it hydrate while spraying the first load. This makes the mixing much easier.

Other methods of dispersal:

- Use an inductor system.
- Wash the product through the anti-splash screen on the top of the spray tank.

STD. Packing : 25 Kg Paper Bag.

Best Before : 36 Months.

Storage: Store the material below 25°C, protect from direct sunlight.