



Farmsuta Bio Fertilizer 84

Description

Farmsuta Bio Fertilizer 84 is a type of fertilizer that contains essential nutrients for plant growth: nitrogen (N), phosphorus (P), and potassium (K). It's derived from organic or natural sources rather than synthetic chemicals. These nutrients are crucial for various aspects of plant development, such as leaf growth (nitrogen), root development (phosphorus), and overall plant health and fruit/flower formation (potassium). It is often preferred by organic farmers and gardeners seeking to promote sustainable and environmentally friendly agricultural practices.

The benefits and functions of different comprised elements are:

1. Nitrogen (N):

- **Function:** Nitrogen is a primary component of chlorophyll, the molecule responsible for photosynthesis. It's essential for the synthesis of amino acids, proteins, and nucleic acids, which are the building blocks of plant cells.
- **Benefits:**
 - **Promotes Leaf Growth:** Adequate nitrogen encourages lush, green foliage by stimulating the production of chlorophyll.
 - **Enhances Plant Vigor:** Plants supplied with sufficient nitrogen tend to exhibit robust growth and increased tolerance to environmental stressors.
 - **Improves Crop Yield:** Nitrogen deficiency can lead to stunted growth and reduced yields, so ensuring an ample supply can boost crop productivity.

2. Phosphorus (P):

- **Function:** Phosphorus plays a critical role in energy transfer within the plant, as well as in the formation of DNA, RNA, and other essential molecules.
- **Benefits:**
 - **Stimulates Root Development:** Phosphorus encourages the growth of strong, healthy roots, which enhances nutrient uptake and overall plant stability.
 - **Facilitates Flower and Fruit Formation:** Phosphorus is crucial during the flowering and fruiting stages, promoting the development of blossoms, seeds, and fruits.
 - **Improves Crop Quality:** Adequate phosphorus levels contribute to better fruit quality, such as size, color, and taste.

3. Potassium (K):

- **Function:** Potassium regulates various physiological processes within the plant, including water uptake, photosynthesis, and enzyme activation.
- **Benefits:**
 - **Enhances Disease Resistance:** Potassium strengthens plant cell walls, making them more resistant to pathogens and pests.
 - **Increases Drought Tolerance:** Potassium helps plants maintain optimal water balance, reducing susceptibility to drought stress.
 - **Promotes Overall Plant Health:** Adequate potassium levels contribute to improved nutrient uptake, efficient energy metabolism, and balanced growth, leading to healthier and more resilient plants.

Now, combining these essential nutrients in a Bio NPK fertilizer offers several advantages over synthetic alternatives:

- **Environmentally Friendly:** Bio NPK fertilizers are typically derived from organic or natural sources, reducing the environmental impact associated with synthetic fertilizers.
- **Soil Health:** Organic materials in Bio NPK fertilizers can improve soil structure, moisture retention, and microbial activity, promoting long-term soil health and fertility.
- **Sustainable Agriculture:** By utilizing renewable resources and minimizing chemical inputs, Bio NPK fertilizers support sustainable agricultural practices that benefit both the ecosystem and human health.

Overall, Bio NPK fertilizers provide a holistic approach to plant nutrition, addressing the diverse needs of crops while promoting environmental stewardship and agricultural sustainability.

Content

Nitrogen-fixing bacteria (NFB); Phosphate solubilizing bacteria (PSB); Potassium solubilizing bacteria (KSB)

Dosage

Soil Application: 4 Kg/acre

Packing Size

2 Kg, 5 Kg, 10 Kg

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April 17, 2024

Author

farmsuta-com