

MEGA FERTILIZER

NATURAL / ORGANIC FERTILIZERS

In

Grandular

&

Powdered Form

MEGA FERTILIZERS

A TAILOR MADE SOURCE TO MAINTAIN SOIL NUTRIENT STATUS (SNS)

GENERAL INTRODUCTION

Plant Nutrients are the elements required for normal growth and development plants.

Plants are composed of Oxygen, Carbon, Hydrogen, Nitrogen, Phosphorus, Potassium, Calcium, Sulphur, Magnesium, Cobalt, Boron, Chlorine, Copper, Iron Manganese, Molybdenum and Zinc in different proportions.

Carbon, Oxygen and Hydrogen from the plant structure. They are readily obtained from air and water. Normally, the plant obtains its remaining nutrients from the soil solution.

The PRIMARY NUTRIENTS Nitrogen, Phosphorus and Potassium and the Secondary nutrients Calcium, Magnesium and Sulphur are required to growing plants in relatively large amount. The MICRO NUTRIENTS Boron, Chlorine, Cobalt, Copper, Iron Manganese, Molybdenum and Zinc are required by growing plants in relatively small amount.

PRODUCT DESCRIPTION

IT IS A PREPARATION CONTAINING THE PRIMARY SECONDARY AND Micronutrient elements in dark to light gray powder and granular forms that are worked into the soil to make it more amenable to plant growth and development.

MODE OF ACTION

Mega Fertilizer is specified in rapidly activating certain enzymes essential to healthy plant growth and development – simultaneously maintaining the solid nutrient status.

PHYSIOKINETICS:

Mega Fertilizer envisages availability of primary secondary and micronutrient elements, both qualitative and quantitatively to plants in roughly the same proportion as occurring naturally.

FUNCTION OF NUTRIENTS:

A. Primary Nutrients:

1. **Nitrogen:** Essential for all growing plants. It promotes growth of leaf and stem and increases plant vigour. It adds crispness to leaf and improves their quality. It increases protein content of food and feed crops and helps increase

yield of many crops. It insures a dark, health, green color in leaves containing CHLOROPHYLL.

2. **Phosphorus:** Essential for naturally phosphorus deficient soils. It is absolutely indispensable to life. Every cell contains its as necessary constituent. Its sully in the soil promotes rapid growth, hastens maturity and stimulates flowers, seed and fruits production.
3. **Potassium:** Essential in stimulation growth of strong stems. It imparts resistance to disease, increases the yield of tubers and seed and it necessary to form starch, sugar and oil and transfers them though plants.

B. Secondary Nutrients:

1. **Calcium:** Essential for plant growth.
2. **Sulphur:** Essential for plant growth as well as corrects soil alkalinity.
3. **Magnesium:** Essential for plant growth as well as an essential element of Chlorophyll the green coloring matter of plants – where deficient, plant leaves turn yellow or red.

C. Micro-Nutrients:

1. **Manganese:** Essential in the initial development of plant, its deficiency leads to Chlorotic condition i.e. sickly yellow appearance of seedlings and upper leaves of the plant.
2. **Iron:** Essential particularly in alkaline soils where its deficiency leads to Chlorotic conditions.
3. **Zinc:** Essential to plant growth.
4. **Boron:** Essential to plant growth especially Legumes.
5. **Copper:** Essential for healthy growth of plants. Neutral or alkaline soils are unproductive without its addition. Yellow of Chlorotic leaves may be an indication of copper deficiency.

CHEMICAL COMPOSTION

1.	Nitrogen	As	N	----	1.93%
2.	Potassium	As	K	----	1.08%
3.	Phosphate	As	P ₂ O ₅	----	1.75%
4.	Calcium	As	Ca	----	17.03%
5.	Magnesium	As	Mg	----	4.72%
6.	Sulphur	As	S	----	10.95%
7.	Cooper	As	CU	----	0.19%
8.	Manganese	As	Mn	----	1.44%
9.	Iron	As	Fe	----	1.32%
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ECONOMIC IMPORTANCE:

Following results have been reported from the use of Mega Fertilizer:

1. Substantial increase in per acre yield of all kinds of fruits, crops and vegetable besides early opening.
2. Protection of fruits, crops and vegetable from diseases.
3. Improvement in natural taste of fruits and vegetable.
4. Nourishment of lawn and potted plants.

DOSAGE & ADMINISTRATION:

For field crops: Generally 50kg/acre. It can be administered either as Plow down or through FERTIGATION i.e. “Fertilizer applied to the soil surface prior to inverting the plow layer with a turning plow” and “application of fertilizer in irrigation water to fertilize plants” respectively.

OVER-DOSAGE & EFFECTS:

Mega Fertilizer is specific in action and no particular problems or side effects (such as a phytotoxicity) have been observed following over dosage with the product.

PRESENTATION:

Is available in powder / grandular forms in 50kg. Bag. D.