



# Grow Naturally - Live Natural



**NAFED**

A Farmer's Cooperative

## ORGANIC MANURE AND BIO-FERTILIZERS FOR ALL TYPES OF CROPS AND HORTICULTURE



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# CEF ORGANICS

**CEF Organics** is an established name in the field of green energy, environment protection, ayurveda, education & skill development, capacity building, and organic products. We are the leading manufacturer and procurement organization working with many corporate and Governmental organizations to meet the challenges of modern-day India. Having more than two decades of experience, our highly dedicated and efficient team is committed to delivering excellence in best-in-class that is 100% organic products, ranging from manure to Agri-produce.



## Our Mission

Our mission is to minimize the use of chemicals for food growth and bring back the golden age of health and sustainability, for the human race, and to make this world, an organic place to live in.

## Our Vision

We envision, that the whole world will go back to basics and will produce organic and natural products on this planet. And hence, we are committed to producing the best quality organic products and services for farmers, households, and the community at large, worldwide. Our team of professionals will tirelessly be engaged in increasing not only the soil fertility and yield, instead in nutrient value as well.

## Our Core Values

**Customer Satisfaction:** Customer needs and expectations are our prime focus and our dedicated team continuously working on improvement as well.

**Reliability:** We follow the policy of zero tolerance when it comes to providing the best quality organic products.

**Excellence:** To deliver the highest standards in our product range, we believe in excellence whether the products are produced by us or sourced from our reliable associates.

**Accountability:** India has led the world with natural products like organics, ayurveda, yoga, etc. As a responsible organization, we sense that the whole world is our village and we are responsible to make it a better place to live.



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## CEF ORGANIC MANURE (APNA KHAD)

**CEF Organic Manure** made up of whole natural substances and rich in friendly organisms, it's a very effective land reformer. It is unique organic manure that has been prepared in a special method and does not contain any kind heavy Metal, any chemical, insects or harmful disease-causing viruses, deodorant, or stench.

### Advantages:

- Natural soil reformer and easy to use
- Rich in high organic carbon
- Increases water holding capacity of soil
- Protect from disease and rich in friendly organisms
- Reduces soil erosion and leaching

### Standard Dosage:

- For paddy, wheat, maize and tuber crops like potato and onion: 500 Kg/Acre\*
- For leafy vegetables and brinjal, chilli and tomato: 200-400 kg/acre\*
- For Horticultural crops like Mango, Guava Lemon etc. 3-5 kg/Pit\*
- Long-term crops like sugarcane: 750-1000 kg/Acre\*

\*Doses may vary as per crop, water, soil and climatic conditions

**Precaution:** Keep in a shade and dry place.

**Usage:** For all kinds of horticultural and agricultural crops.

**Available:** In packs of 50 KG, 25 KG, 10 KG, 5KG and 2 KG.



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## CEF VERMICOMPOST

**CEF Vermicompost**, selected earthworms are effectively used for maximizing the growth of aerobic bacteria for waste stabilization. When organic waste is applied to soil containing earthworms, simple compounds are readily degraded by bacteria, while complex wastes are first broken down into simpler ones by enzymes produced by earthworms and are then degraded by the bacteria.

### Advantages:

- Provides a good overall plant growth, encourages the growth of new shoots/leaves and improves the quality and shelf life of the produce.
- Improves soil structure, texture, aeration, and water-holding capacity and prevent soil erosion.
- Rich in beneficial microflora such as a fixer, P- solubilizers, cellulose decomposing micro- flora etc in addition to improving the soil environment.
- Contains earthworm cocoons and increases the population and activity of earthworms in the soil.
- Enhances the decomposition of organic matter in the soil.
- Contains valuable vitamins, enzymes and hormones like auxins, gibberellins etc.

### Standard Dosage:

- 1.5 Tons/Acre for all Crops.\*
- 3-10 KG/Tree \*

\*Doses may vary as per crop, water, soil and climatic conditions

**Precaution:** Keep in a shade and dry place.

**Usage:** For all kinds of horticultural and agricultural crops.

**Available:** In packs of 50 KG, 25 KG, 10 KG, 5KG and 2 KG.



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## CEF PHOSPHATE RICH ORGANIC MANURE (PROM)

**CEF PHOSPHATE RICH ORGANIC MANURE (PROM)** is a type of alternative to diammonium phosphate and single super phosphate. It also improves the germination percentage of seeds and helps in effective root development. It improves the resistance power of crops against various disease. It is a complete Eco-friendly product.

### Advantages:

- Phosphate-rich organic manure improves the physical, chemical and biological properties of the soil and increases crop production
- Improves the electrical conductivity of soil and enhances the activity of beneficial microorganisms in the soil
- Balances the soil pH. It helps in humus formation

### Standard Dosage:

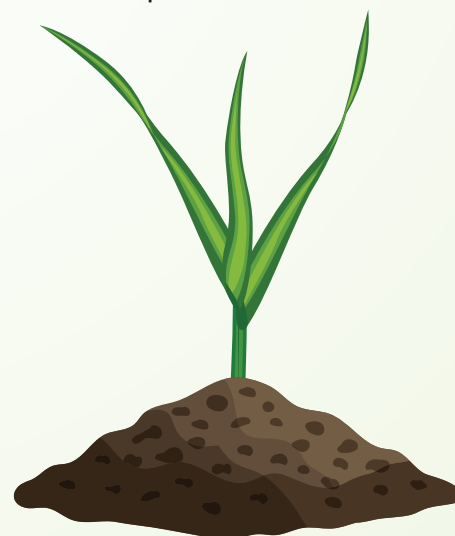
The recommended dosage of phosphate-rich organic manure (PROM) for all cereal crops is 150-200 Kg/acre. \*

\*Doses may vary as per crop, water, soil and climatic conditions

**Precaution:** Keep in a shade and dry place

**Usage:** Phosphate Rich Organic Manure (PROM) is suitable for all Cereals, pulses, vegetables, fruits and flower crops

**Available:** In packs of 50 KG, 25 KG, 10 KG, 5KG and 2 KG.



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## CEF ORGANIC NPK BOOSTER

**CEF ORGANIC NPK BOOSTER**, an Organic NPK supplement for plants. Liquid Soil booster with Micro and Macro-Nutrients. Works as a super booster in plants and eliminates the deficiency of nutrients in plants. It will help in the growth and development of plants. It is an organic fertilizer. Immunity and Growth Booster for all Indoor and Outdoor Plants.

### Advantages:

- Its constituents are 100% natural and acts as an immunity booster for plants and Micro-Organisms present in the soil
- Acts as plant growth regulator
- Contains micro and macro-nutrients
- Increases the water-holding capacity of the soil
- Gives strength to plants in fighting against diseases and pests
- Improves yield and taste of fruit, enhances flowering

### Standard Dosage:

- Mix 3-5 litres per acre at the time of ploughing the field.\*
- Mix 3-5 litres of booster with 200 litres of water (100 litres for Vegetables) and apply in intervals of 20, 40 and 60 days near the roots of the plant at time of irrigation\*
- For crop production, apply in the field 2 to 3 times\*
- Use 1-2 litres per plant for fruit plants\*
- For Indoor and Decorative plants use 50-100 ml. /plant\*

\*Doses may vary as per crop, water, soil and climatic conditions

**Precautions:** Keep in shade and dry place.

**Usage:** For all kinds of horticultural and agricultural crops

**Available:** In packs of 5 litres, 2 litres, 1 litre, 500 ml, and 250 ml







## CEF ORGANIC NITROGEN BOOSTER

**CEF Organic Nitrogen Booster**, a liquid Nitrogen Booster is an important source of nitrogen in plants. It removes the deficiency of nitrogen and helps in the growth and development of plants. It keeps the plants green and increases production. Increases soil micro flora and improves the health of Soil

### Advantages:

- Lead to higher tillering in plants.
- Increases the chlorophyll content in the leaves leading to higher photosynthetic rate
- Increases the resistance power of the plant by strengthening the immune system of plant
- Increases the protein content in cereal and pasture crops
- In addition, acts as a booster for the micro-organisms present in the soil, which provide nutrients to the soil and increase production as well as provide new branches to the plants

### Standard Dosage:

- Mix 3-5 litres per acre by spreading it in the field while ploughing\*
- Mix 3-5 litres with 200 litres water (100 litres for Vegetables) and apply at the interval of 20, 40 and 60 days near the roots of the plant with Irrigation\*
- For crop production apply 2 to 3 times in field\*
- For Fruit plants Use 1-2 litres per plant\*
- For Indoor and Decorative plants use 150-200 ml. /plant\*

\*Doses may vary as per crop, water, soil and climatic conditions

**Precautions:** Keep in shade and dry place

**Usage:** For all kinds of horticultural and agricultural crops

**Available:** In packs of 5 litres / 2 litres / 1 litre / 500 ml / 250 ml



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## CEF ORGANIC PHOSPHORUS BOOSTER

**CEF Organic Phosphorus** Booster is an Organic Liquid Phosphorus Booster, a rich source of natural phosphorus and it fulfils the deficiency of phosphorus in the soil, which helps in the development and growth of the plant.. Promotes healthy root development, energy transfer, nutrient movement within the plant

### Advantages:

- Increases the water-holding capacity of soil
- Acts as an immunity booster for plants.
- Improves plants power in fighting against diseases and pests
- Improves the taste of fruits, Cereals, and vegetables.
- Allows the plants to take up nutrients from the soil much faster and absorb them easily.
- Increases the fertility of the soil and helps bacteria and microorganisms to grow faster in the soil.

### Standard Dosage:

- Mix 3-5 litres per acre in the field while ploughing\*
- Mix 3- 5 litres per acre WITH CEF APNA KHAAD at the time of irrigation at the time of sowing\*
- Use 1-2 litres per plant for horticultural and fruit plants\*
- For Indoor and decorative Plants use 150-200 ml/plant\*

\*Doses may vary as per crop, water, soil and climatic conditions

**Precautions:** Keep in shade and dry place.

**Usage:** For all kinds of horticulture and agricultural crops.

**Available:** In packs of 5 litres, 2 litres, 1 litre, 500 ml, and 250 ml.



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## CEF GERMINATION BOOSTER

In organic and natural farming, **CEF Germination Booster** is an Organic seed treatment solution, used for seed treatment. It increases the germination capacity of the seeds as well as protects them from harmful fungi and seed germs. Works with seedlings and improves seed germination and rapid rooting

### Advantages:

- Increases the germination capacity of the seeds and protects them from harmful fungi and seed germs.
- Feeds the seedlings instantly and helps in better growth and rooting

### Standard Dosage:

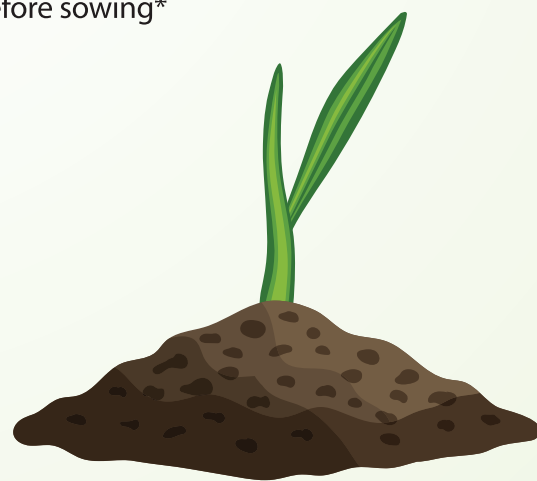
- 24 hours before sowing make a mix of 20 ml /litres for seed treatment\*
- Mix the required quantity in the water and prepare a mix. Pour Seeds into the mix and wait for seed germination after sprouting sow the seeds in the field\*
- Apply on seeds and mix thoroughly with sprinkling water and mix it well it on all seeds with help of both hands. Keep the seeds in the shade for half an hour before sowing\*

\*Doses may vary as per crop, water, soil and climatic conditions

**Precautions:** Keep it in a shade and dry place

**Usage:** For all kinds of horticultural and agricultural crops

**Available:** In packs of 5 litres, 2 litres, 1 litre, 500 ml, and 250 ml







## CEF NEEMAstra – ORGANIC INSECTICIDE

**CEF Neemastra-** Organic Insecticide is an organic insecticide that is used against sucking insects and mites can damage plant through feeding or egg laying and damage crops. There is no harm to crops, soil, and the human body by the use of CEF Neemastra-Organic Insecticide

### Advantages:

- Can be applied on any type of sap-sucking insect when an infestation is visible
- It is used in all types of vegetables and flowers
- Best source for pest and insect control for organic natural farming
- Can be used against pests and insects like mealy bugs, aphids, termites, whitefly, etc
- Spraying controls Jassids Insects common in leafy vegetables

### Standard Dosage:

- Mix 3-5 litre in 200 litres of water for 1 acre of land\*
- Mix 20 ml/litre and sprinkle on crop\*

\*Doses may vary as per crop, water, soil and climatic conditions

**Precautions:** Keep in shade and dry place

**Usage:** For all kinds of horticulture and agricultural crops

**Available:** In packs of 5 litres, 2 litres, 1 litre, 500 ml, and 250 ml







## CEF BRAHMASTRA – ORGANIC INSECTICIDE

**CEF Brahmastra** - Organic Insecticide is very beneficial for the control of insects on crops and can be used against sucking insect mites and caterpillar that damage crops. Naturally –sourced pesticides combat insects upon contact or through ingestion with reduced risk of unwanted environmental impact.

### Advantages:

- Protects against all types of insect diseases.
- It is most useful for controlling weevils and adult insects
- It is a low-cost-effective solution for aphids, and thrips.
- Best for the control of stem borer Insects, Sucking insects, leaf-wrapped insects, plant bugs, and many more insects.

### Standard Dosage:

- Mix 20 ML/litre and spray on the crop
  - For Vegetable and fruit plants mix 3-5 ml /litre and spray
- \*Doses may vary as per crop, water, soil and climatic conditions

**Precaution:** Keep in shade and dry place.

**Usage:** For all kinds of horticultural and agricultural crops.

**Available:** In packs of 5 litres, 2 litres, 1 litre, 500 ml, and 250 ml.







## CEF ORGANIC FUNGICIDE

**CEF Organic Fungicide** (Organic Liquid Fungicide) provide protection against diseases caused by fungi and bacteria. Enhance the quality of agricultural crops and vegetables. It protects germinating seed, roots & and; emerging shoots from soil born pathogens

### Advantages:

- Effective against all fungus diseases
- Best for home garden and domestic use & and; agriculture use for Controlling Almost all types of Fungus Diseases

### Standard Dosage:

Mix 20 ml in 1 litre of water and spray it on infected plants 3 times at intervals of 1 week\*

\*Doses may vary as per crop, water, soil and climatic conditions

**Precaution:** Keep in shade and dry place

**Usage:** For all kinds of horticultural and agricultural crops.

**Available:** In packs of 5 litres, 2 litres, 1 litre, 500 ml, and 250 ml.







## BIO FERTILIZERS

In the year 1985, the manufacturing of bio-fertilizer was introduced by NAFED in Indore (Madhya Pradesh) with modern equipment and machines. The Government of India has so far conferred the National Productivity Council Award, eleven times, appreciating the efforts of our production staff and the experienced marketing team. Encouraged by the success of the Indore unit, NAFED set up its second unit at Bharatpur (Rajasthan). Today, NAFED products are capable of nutrient reimbursement and plant protection in all kinds of crops. Organic farming is being promoted by NAFED on a national level. All our products have proved to be healthy, protectors for the environment and human life.

### RHIZOBIUM

**Rhizobium** mainly satisfies the nitrogen requirement in plants while living in symbiotic form with all pulses and some oilseed crops. After germination, they go to the roots and sterilize small lumps and convert atmospheric nitrogen into nitrate and give it to plants. Use only the prescribed and appropriate NAFED Rhizobium for each crop.

**Method of use:** Seed treatment: Dissolve 150 g (1 packet) in 300 ml of water and plant one acre of hayseeds on a floor, dry it in the shade and sow immediately

**Land treatment:** Mix 5 kg (10 packets) with 50 k. g. of manure of pure dung in the shade and scattered over one acre

**Advantages:** About 20 to 30 per cent more crop yield. With its use, on average, 40 to 80 kg of nitrogen per hectare is converted and left in the land, which also benefits the upcoming crop. The germination of seeds is faster and the growth of plants is more. Like other chemical fertilizers, they do not cause any kind of pollution or ill effects.

**Benefited crops:** Mung Urad Chaula Arhar Moth Guar Berseem Rizka Soyabean Groundnut Chana Pea Masoor Dhencha Sunny Beans and other types of beans and crops.

**Available:** In packs of 5 KG, 1 KG, 250 G, and 150 G.







## AZOTOBACTER

**Azotobacter** bacterial manure is a mixture of highly capable bacteria which have been prepared in powder form. After germination, these bacteria are bi-conjugated and made available to the plant, by converting atmospheric nitrogen while living on the surface of the root of the plant.

**Method of use:** Seed treatment: Dissolve 300 g (two packets) of the mixture in 300 ml of water and treat the seeds used in one acre in the shade.

**Method of transplanting:** Dissolve 900 grams (6 packets) in 20-30 litres of water and immerse the roots of the plants sown in one acre in this solution for five minutes and transplant it.

**Land treatment:** Mix 1500 grams (10 packets) with 50 kg of manure of dung in the shade and sprinkle it in the field before the final spill in one acre.

**Advantages:** About 10 to 20 per cent more crop yield. Using it, on average, 10 to 15 kg of nitrogen is converted per hectare and available to the plants. In addition to nitrogen, some special hormones and vitamins are also available to plants.

**Benefited crops:** Wheat, Oats, Maize, Paddy, Mustard, Sunflower, Cotton, Tobacco, Banana, Litchi, Grapes, Watermelon, Onion, Garlic, Potato, Tomato, Cabbage, Okra, Tinda, Chilli etc.

**Available:** In packs of 5 KG, 1 KG, 250 G, and 150 G.

## PHOSPHATE SOLUBILIZING BACTERIA (PSB)

**Phosphorus** is the second main nutrient for plants. It has a major role in crop production. NAFED PSB is a balanced mixture of phosphorous-soluble bacteria. On seed treatment or land treatment from NAFED PSB, it converts the insoluble phosphorus available in the soil into a soluble form, which is easily used by plants.

**Method of use:** Seed treatment method: Mix a packet (250 g) in water as needed and treat well on top of the seeds. Dry the seeds in the shade and sow immediately.

**Method of transplanting:** Dissolve three packets of NAFED PSB in 40-50 litres of water and sow the seeds to be sown for 10 minutes by immersing them in it for 10 minutes and sowing them immediately.

**Land treatment method:** 2 grams (8 packets) of NAFED PSB mixed well in 50 kg of dung manure and mixed evenly in the soil. Irrigate immediately after that.

**Seedling method:** Dissolve two packets of PSB in 15-20 litres and dip the roots in it for ten minutes and sow immediately thereafter.

**Advantages:** Using PSB can save up to 50% in phosphorus fertilizer content. Its use improves the health of the plants and increases the yield by 10 to 40 per cent. PSB benefits all types of crops and plants.

**Available:** In packs of 5 KG, 1 KG, 250 G, and 150 G.







## ACETOBACTER

**Acetobacter** is prepared as a powder of a mixture of micro-bacteria. These bacteria diploid around the roots in the soil and convert the nitrogen of the atmosphere into nitrate and make it available to the plants. Experiments prove that one-fourth of the total nitrogen requirement of sugarcane and beetroot can be reimbursed from these bacteria.

**Method of use:** Acetobacter is available in packing of 1 K.G. which is sufficient for one acre of land. Mix a packet well with 50 K.G. of dry dung manure. Scatter this mixture evenly into an acre of land immediately before sowing.

**Advantages:** This saves chemical fertilizers and sugar increases with the increase in production. The fertility of the land develops.

**Benefited Crops:** Sugarcane & Beetroot

**Available:** In packs of 5 KG, 1 KG, 250 G, and 150 G.

## TRICHODERMA

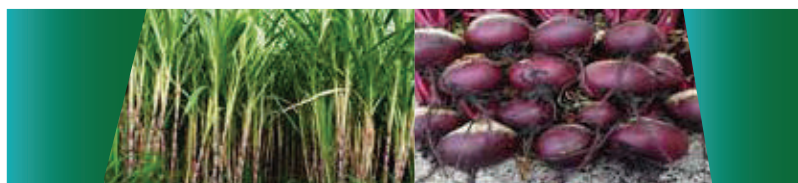
**Method of use:** Seeds are treated with the proper quantity of Trichoderma viridi soluble powder, ensuring that the seed is coated evenly, then dried in the shade and sown. Land treatment: Trichoderma is well mixed with 100 kg of compost manure and sprinkled in one hectare of field.

**Advantages:** Protect against fungal diseases. Effect on the entire duration of the crop. An amazing increase in yield.

**Benefited crops:** Wheat, Oats, Maize, Paddy, Mustard, Sunflower, Cotton, Tobacco, Banana, Litchi, Grapes, Watermelon, Onion, Garlic, Potato, Tomato, Cabbage, Okra, Tinda, Chilli, Bajra, Sugarcane, Peanut, Soyabean, Urad, Lobia, Masoor, Chana, Rajma etc.

**Precautions:** Use Trichoderma only in the right quantity and correct method. Protect against the intense heat and the sunrays. Keep it in a cool and happy place.

**Available:** In packs of 5 KG, 1 KG, 250 G, and 150 G.







## COMPOSTING CULTURE

**Composting culture** is a state-of-the-art efficient mix of bacteria, which decompose agricultural residues in working time and convert them into useful compost manure. 1 K.G. of Composting Culture is able to make compost manure of one tractor trolley for an unusable constituent from crops. Dissolve a packet in ten litres of water and sprinkle evenly on a pile of unusable substances per tractor-trolley. Then moisten the pile of water at an interval of ten days. Through this method, the farmer gets good compost manure in just 60 to 90 days. **Precautions for the use of products:** Store in cold places. Use it before the last date marked on the packet. Do not mix bacterial fertilizers with chemical fertilizers and medicines. If you have to treat fungicidal drugs, then all other treatments complete with bacterial manure should be done. The rhizobium bacterial manure should be used only in the crops, written on its packet.

**Available:** In the packs of 5 KG and 1 KG.

## SERVO ORCHID TREE SPRAY OIL

**Servo Orchid Tree Spray Oil** is a petroleum by-product processed by the lubes division of Indian Oil Corporation Ltd. Produced for apple tree spray, during the horticulture dormancy period, primarily to check the influence and spread of two apple fruit diseases, San Jose scale and Red mite. It is experienced that in case they go unchecked, these diseases can create a devastating effect on apple production.

**Advantage:** Non-toxic in nature and can be handled by workers safely. Highly biodegradable making it quite safe for plants and soil. Pests do not develop any resistance to the oil after prolonged use. Hence this oil can be used time and again without losing its effectiveness.

**Dosage per acre:** In summer 2-5% in 400-500 Litres of water. In winter 1-2% in 400-500 Litres of water.

**Precaution:** Not to be used in rainy season.

**Availability:** 210 Litres, 50 Litres, 20 Litres, 10 Litres, 5 Litres



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## CEF ORGANIC POTASSIUM BOOSTER

**CEF Organic Potassium** Booster is a rich source of potassium and it fulfils the deficiency of Potassium in the soil, which helps in the development and growth of the plant. CEF Organic Potassium booster is a completely organic fertilizer. It increases the content of quick-acting potassium in the soil, and reduce the loss and fastening of potassium, increases the absorption and utilization of potassium.

### Advantages:

- Increases the efficiency and development of the plants
- Works in all types of plants (flower, vegetable, and field crops)
- Plants become vigorous and hard, which prevents the fall of crops
- Increases the size of fruits and grains, and also improves the shine of the grain
- Increases the fertility of the soil
- Makes the soil get enriched with good bacteria and micro-organisms

### Standard Dosage:

- Mix 3-5 litres per acre by spreading it in the field while ploughing\*
- Mix 3-5 litres per acre with CEF APNA KHAAD at sowing time with irrigation water\*
- Use 1-2 litres /Plant for Horticultural and Fruit plants\*
- For Indoor and decorative plants use 150-200 ml/plant\*

\*Doses may vary as per crop, water, soil and climatic conditions

**Precautions:** Keep in shade and dry place

**Usage:** For all kinds of horticulture and agricultural crops

**Available:** In packs of 5 litres, 2 litres, 1 litre, 500 ml, and 250 ml



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# Grow Naturally - Live Natural



Marketed by: **NAFED** (National Agricultural Cooperative Marketing Federation Of India)  
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**Manufactured & Packed by : CEF ORGANICS PVT. LTD.**

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