

AMRITBHoomi™
— बेहतर खेती, बेहतर कल —

PRODUCT RANGE



19 ESSENTIALS PLANT NUTRIENTS

Nitrogen

Essential for chlorophyll production, leaf growth, and protein synthesis, driving photosynthesis and overall plant metabolism for healthy development.

Phosphorus

Supports root growth, seed formation, and energy transfer within plants, enhancing early strength and improving flowering and fruit production efficiency.

Cobalt

Aids nitrogen fixation in legumes, stimulates enzyme activity, and supports overall plant health, especially under stress conditions or poor soil fertility.

Potassium

Regulates water use, enhances photosynthesis, improves disease resistance, and activates enzymes needed for plant growth, fruit quality, and overall productivity.

Calcium

Strengthens plant cell walls, aids nutrient transport, supports root and shoot growth, and prevents disorders like blossom end rot in crops.

Magnesium

Central to chlorophyll molecule, vital for photosynthesis, enzyme activation, and sugar transport from leaves to other plant parts for growth.

Boron

Needed for cell wall formation, pollen tube growth, seed development, and sugar movement within plants, supporting flowering and fruit set.

Chlorine

Supports photosynthesis, osmosis regulation, and ionic balance, while enhancing plant disease resistance and tolerance to environmental stress conditions.

Zinc

Promotes chlorophyll production, enzyme activation, and stem growth; essential for hormone regulation and improving crop yield quality and resilience.

Sulphur

Builds essential amino acids, proteins, and vitamins; enhances enzyme activity and boosts

Selenium

Acts as antioxidant, reduces oxidative stress in plants, supports seed health, and helps protect

Silicon

Strengthens plant cell walls, improves structural rigidity, enhances resistance to pests, diseases, and environmental stresses like drought.

Manganese

Supports photosynthesis, nitrogen metabolism, and enzyme activation, aiding in disease resistance and improving crop yield and quality.

Iron

Required for chlorophyll synthesis, enzyme function, and respiration; critical for green leaf development and overall plant vigor.

Copper

Vital for photosynthesis, respiration, and lignin formation; supports seed production, enzyme activation, and plant structural strength.

Sodium

Helps maintain water balance, supports some photosynthetic processes, and can substitute potassium in specific plant metabolic functions.

Iodine

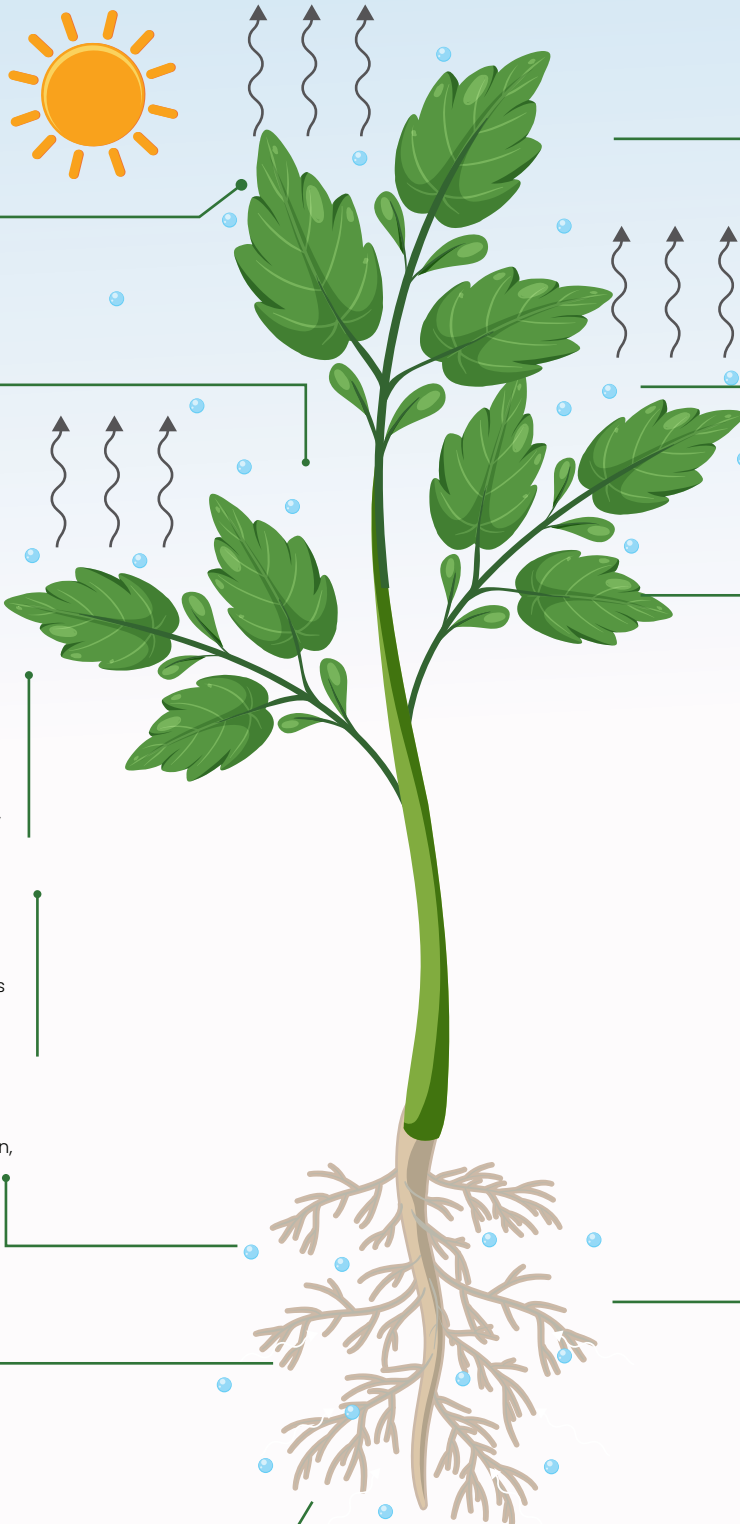
Improves antioxidant capacity, supports metabolic processes, boosts disease resistance, and may enhance plant tolerance to salinity or drought stress.

Nickel

Activates enzymes for nitrogen metabolism, supports urea breakdown, and helps plants manage stress while improving

Molybdenum

Helps in nitrogen fixation, nitrate reduction, and enzyme activity, supporting healthy growth and development in many plant species against environmental stress and disease damage.



Our Organisation

Navankur, An Agritech Brand of **Radiant Infonet Private Limited**, is a visionary organization established by a team of young technocrats and experienced trade professionals. We have an active operational presence across a wide geography, including the states of Himachal Pradesh, Haryana, Punjab, Rajasthan, Gujarat, Madhya Pradesh, Uttar Pradesh, Chhattisgarh, Maharashtra, Assam, Arunachal Pradesh, Tripura, Mizoram, Nagaland, and the Union Territory of Daman & Diu. Radiant works extensively with FPOs, PACS, cooperatives and government agencies to enable access to markets, institutional credit, procurement platforms and advisory services.



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AMRIT - MgS

It plays an important role in phosphate metabolism, plant respiration and activation of enzyme systems.

Technical Specifications

Magnesium 9.6% + Sulphur 12%

Product Information/Benefits

- Magnesium is an important constituent of the chlorophyll molecule.
- Photosynthesis depends on the content of chlorophyll. Therefore, the initial development of any crop will be suppressed if the availability of Magnesium is limited.
- Magnesium deficiency occurs in areas with high rainfall or wet regions, especially in light and acid soils.
- Magnesium is necessary to achieve high concentrations of starch in potatoes, sugar beet and fats in oil seeds.

Dosage and Method of Application

Foliar Spray: Dissolve 3.0 – 5.0 g of AMRIT MgS per litre of water. First spray 20 – 25 days after transplantation. Repeat another two sprays at an interval of 10 – 15 days and give 2–3 sprays during cropping seasons.

In case of cotton 3 sprays are helpful in controlling red leaf disease.

Soil Application: For field crops and oil seed crops 20 – 25 kg of Multiplex Magnesium Sulphate/ acre.

Plantations: 150 – 200 g per tree per annum.

Crops: Cotton, Citrus Fruits, Vegetables, Banana, Oil Seeds, Pulses, Flower Plants, Cereals.



AMRIT - Cu

Copper is essential for the photosynthesis process and prevents the degeneration of chlorophyll. It helps in the growth and production of Vitamin A and various enzymes. It also regulates the oxidation process in plants.

Technical Specifications

Copper 24% + Sulphur 12%

Product Information/Benefits

- AMRIT Cu helps in the eradication of fungal diseases and correcting copper deficiency in the soil.
- It enhances oil contents in Mentha, Legumes, Rapeseed, Mustard, Peanuts, etc.

Dosage and Method of Application:-

Use as fungicide: (Preparation of 1% Bordeaux Mixture). Dissolve 1.0 kg of AMRIT-Cu in 50 litres of water and 1.0 kg of Calcium carbonate/ any lime source, dissolved in 50 litres of water in another container and pour both into a third container by mixing continuously and solution becomes neutral.

For Spray: Dissolve 1kg AMRIT-Cu in 240 L water, use twice in a month.

Soil application: Use 2-4kg AMRIT-Cu/acre.

Crops: Cereals, Maize, Wheat, Peas, Cabbage, Onion, Pepper, Tomato, Apple, Grapes



AMRIT - Boron

Boron is essential for optimum utilization of calcium and is vital for the growth and development of the plant. Amrit-Boron is important for regulating plant's hormone levels.

Technical Specifications

Boron 20% (Di-Sodium Octaborate Tetra

Product Information/Benefits

- It enhances flowering, prevents flower dropping and avoids fruit cracking.
- It improves grain quality, quality of the produce and also increases the yield.
- Boron is required in cell wall formation and stability, maintenance of structural and functional integrity of biological membranes.

Dosage and Method of Application:-

Foliar Spray: Dissolve 1.0 g in one litre of water. First spray: Just before flowering and Second spray: 10 -12 days after first spray. Two sprays during the cropping season are enough to meet the boron requirement of the crop.

Crops: Cereals, Pulses, Oil Seeds, Vegetables, Fruits, Greenhouse crops.



AMRITBLOOM

Orthosilicic acid (OSA) is a bioavailable form of silicon essential for plant growth and development. It is a stable liquid fertilizer that supplies readily absorbable silicon to crops, enhancing plant strength, stress resistance, and nutrient uptake efficiency.

Technical Specifications

Orthosilicic Acid %,min – 18

Soluble Potassium as K₂O %,min – 3

Insoluble Matter %, max – 0.4

pH – 10.5–11.5

Specific gravity g/ml,min – 1.1

Product Information/Benefits

- Enhances cell wall strength and structural integrity.
- Strengthens plant defenses against pathogens.
- Increases tolerance to environmental stresses such as drought and salinity.
- Facilitates better absorption of essential nutrients.
- Easily absorbed by plants, ensuring effective utilization.
- Strengthens defence against pests & diseases.
- Boost resilience to environmental stress.

Dosage and Method of Application:-

It can be used as 2–3 ml in per litre of Water.



AMRITBLOOM+

A liquid formulation that provides a concentrated source of calcium along with zinc and boron for plants. It is specially designed for crops requiring high calcium input to improve structural integrity, nutrient transport, and overall plant growth.

Technical Specifications

Calcium as Ca %, min - 21

Boron as B %, min - 0.1

Zinc as Zn %,min - 1.5

Specific gravity g/ml,min - 1.74-1.76

pH - 8.5 - 10

Product Information/Benefits

- Effective solution for addressing blossom end rot, tip burn, and poor fruit set.
- Calcium strengthens cell walls, while boron aids in cell division and zinc supports enzyme function, leading to healthier plants.
- Enhanced fruit and vegetable quality.
- Easy to mix and apply, suitable for foliar sprays or soil applications.
- Quickly absorbed by plants, providing immediate benefits.
- Effective for a wide range of crops.

Dosage and Method of Application:-

Foliar application - 2 mL per litre of water



C-GUARD

C-Guard have such a wide host range that they can be used successfully on numerous insect pests & Larvae. Their nonspecific development, which does not depend on specific host nutrients, allows them to infect a large number of insect species & larvae.

Technical Specifications

C-Guard is a formulation of entomopathogenic nematodes (EPN) particularly *Heterorhabditis indica* and *Steinernema glaseri* (5×10^7 IJs/kg). It is a research product developed by ICAR- SUGARCANE BREEDING INSTITUTE, COIMBATORE with SKR Agrotech as the Licensed Manufacturer.

Dosage and Method of Application:-

Mix 1 kg of C-Guard in an optimum quantity of water required for drenching or spraying the 1 acre area. Irrigate the field after Irrigation.

Product Information/Benefits

01

C-Guard kills their insect hosts within 48 to 72 hours. This is durable and can stay viable for months when stored at the proper temperature.

02

This is an effective biocontrol method for controlling insect larvae organically.

03

It is also compatible with various insecticide, herbicides and fertilizers.

04

It is safe for Human health, plants, beneficial insects and environment.



BIOPLANTICA PF

Bioplantica PF is used in the control of leaf diseases. It is effectively utilized to control pathogenic organisms like *Sarocladium* spp., *Pyricularia* spp, *Rhizoctonia* spp, *Sclerotium* spp, *Pythium* spp, *Phytophthora* spp, etc.

Technical Specifications

Pseudomonas fluorescens– CFU count: 1×10^8 /g

Product Information/Benefits

- Selective bio-agent and effectively controls soil-borne Nematodes and Fungal diseases on various crops (Tomato, Okra).
- It is recommended in wet land ecology. It is a fast multiplying bacterium even under the unfavourable anaerobic conditions.
- It is capable of thriving well even in saline soils that is characteristic of paddy and millet growing areas.
- Effective against plant pathogens by produces antifungal compounds.

Dosage and Method of Application:-

Wettable powder formulation –1-1.25 kg/acre

Soil Drenching: Mix 1-1.25 kg of Bioplantica PF with 200 litre of water and drench the soil around the base of the plant

Soil application: Mix 1-1.25 kg of Bioplantica PF per acre with 100 Kg of FYM and broadcast uniformly all over the field before transplanting.

HORTICULTURE CROPS: For mango, Citrus, grapes, papaya, banana, amla etc.

Big Trees: @ 20-30 gm per tree .

Small Plants:@ 5-10 gm per plant.



BIOPLANTICA BB

This naturally soil-inhabiting fungus infects agriculturally important pests such as thrips, whitefly, spider mites, and aphids that have developed a high resistance to chemical insecticide.

Technical Specifications

Beauveria bassiana-CFU count: $1 \times 10^8/\text{g}$

Product Information/Benefits

- Targets a wide range of pests across most insect orders
- Beauveria bassiana acts on the cuticle of susceptible insects and produce toxins and drains the insect of nutrients, eventually killing it
- It can induce plant defense responses against both biotic (insect herbivory) and abiotic stresses.
- Contains conidia (asexual spores) that can survive in various environmental conditions.
- Spores can remain viable in the soil or on plant surfaces for weeks to months, offering long-lasting pest control effects after application.

Dosage and Method of Application:-

Method of application:-

1. Wettable powder formulation:- 1.25 kg/acre

2. Foliar spray:- Mix 1.25 kg of BIOPLANTICA BB with 200 litre of water and spray at early morning, late afternoon or evening, or on cloudy or rainy days after removing the nozzle.

TARGET PEST - CROP

Spodoptera - Soyabean

Bollworm/Cutworm - Cotton

Pod Borer - Brinjal, okra, toor, green gram, black gram, bengal gram

DBM - Cauliflower

Borer - Corn

Berry Borer - Coffee



BIOPLANTICA TH

Bioplantica TH is an eco-friendly biological fungicide. It is highly effective in controlling soil-borne phytopathogenic microbial populations in crops, leading to increased crop yields. Furthermore, it does not harm natural predators or parasites.

Technical Specifications

CHEMICAL COMPOSITION:	- % w/w
Tricoderma Harzianum (CFU count: 2×10^6 per gm. min.)	- 1.00%
Carboxy methyl cellulose	- 1.00%
Talc Powder	- 98.00%
Total	- 100.00%

Product Information/Benefits

Bioplantica TH works by competing with harmful fungi for nutrients to protect plants producing extracellular enzymes that break down the cell walls of harmful fungi and pathogens, which eventually collapse and disintegrate. Secreting antibiotics that inhibit the growth of harmful fungi.

Dosage and Method of Application:-

- Seed treatment:- Mix 5-10 ml of Bioplantica TH in 50 ml of water and apply it uniformly on 1 kg of seed. Dry the seeds in shade for 20-30 minutes before sowing.
- Transplantation:- Dissolve 250 ml of Bioplantica TH in 50 liters of water and dip seedling roots for about 30 minutes in the solution. Then, transplant immediately.



AMRITCARBO

AMRITCARBO offers a sustainable alternative to synthetic fertilizers, minimizing environmental impact and promoting a more balanced ecosystem. The liquid form of AMRITCARBO allows for rapid nutrient absorption by plant roots, promoting quicker growth and development.

Technical Specifications

Liquid Fermented organic manure (Enrich with novel carbon source and growth promoting natural substance)

Product Information/Benefits

- **Improved Soil Structure:-** Fermentation improves soil aggregation, water-holding capacity, and aeration, leading to better root development and overall soil health.
- **Increased Microbial Activity:-** AMRITCARBO promotes the growth of beneficial soil microorganisms, which play a crucial role in nutrient cycling, disease suppression, and overall soil fertility.
- **Enhanced Root Development:-** By improving soil structure and providing essential nutrients, AMRITCARBO encourages strong and healthy root systems.
- **Increased Yields:-** Healthier plants, with better nutrient uptake and disease resistance, often translate to higher crop yields.
- **Improved Stress Tolerance:-** AMRITCARBO can help plants better withstand various environmental stresses like drought and disease.

Dosage and Method of Application:-

Doses: 1 to 1.5ltrs in one acre area for all Crops.



AMRITK20

Potash Derived From Rhodophytes

Technical Specifications

PDR – Potash Derived From Rhodophytes

S No. – Composition – Unit

1. Moisture percent by weight, maximum – 5.0
2. Water soluble Potash, percent by weight, minimum – 20.0
3. Total Sulphur (as S), percent, by weight, minimum – 1.5

Product Information/Benefits

- **Improved Produce Quality:** Produces larger, more vibrant fruits and vegetables with improved shape and colour, Keeps produce fresher for longer, leading to reduced spoilage and improved marketability.

Wide Applicability:

- **Suitable for All Crops:** Benefits a wide range of agricultural crops.
Effective Application: Recommended for foliar application for maximum absorption and effectiveness.

Dosage and Method of Application:-

CROP DOSE – 200–250 g/ac FOR FOLLOWING CROPS FOR FOLIAR SPRAY:-

- a.) Paddy:-** 3 applications – Pre-flowering , booting / panicle initiation stage and grain filling stage.
- b.) Corn (Maize):-** 2 applications – Pre-flowering and cobb formation stage.
- c.) Tomato, Brinjal, Bhendi, Chilli:-** 2–3 applications – Vegetative stage, flowering stage & fruiting stage and after every picking till 5 to 6 cycles.
- d.) Gourds:- 3 applications** – Pre-flowering, flowering and fruiting stage and after every picking till 5 to 6 cycles.



AMRITFAB NPK

This is a seed treatment product which promotes uniform seedling emergence, ensuring strong early growth.

Technical Specifications

This is a seed treatment product containing, Azotobacter chroococcum; Bacillus megaterium; Frateuria aurantia; Biostimulants and carrier.

Product Information/Benefits

- **Root growth stimulation:** Stimulates vigorous root development for enhanced nutrient uptake.
 - **Shoot strengthening:** Fortifies plant shoots, increasing resilience to environmental stressors.
 - **Reduced fertilization:** Enhances nutrient efficiency, reducing the need for synthetic fertilizers.
- Systemic Acquired Resistance (SAR):** Provide plants against pathogens and stresses for long-term health.

Dosage and Method of Application:-

Seed treatment (Water soluble formulation) – 0.5-6g/kg of seeds

1. Mix AmritFAB Bio NPK product with water according to the recommended quantities and apply to seeds.
2. Shade-dry for 5-10 minutes and sow immediately.

Crop	-	Product Doses(g/kg of seed)	-	Water required(mL/kg of seed)
Wheat	-	0.75g /kg of seed	-	15 mL/kg of seed
Paddy	-	1.5g /kg of seed	-	20 mL/kg of seed
Corn	-	1.5g /kg of seed	-	10 mL/kg of seed
Pearl millet	-	3g /kg of seed	-	18 mL/kg of seed



AMRITNEEM

AMRITNeem a biological insecticide based on neem seed kernel extract. Its pest repellent properties makes it a widely accepted and highly tool to control the menace of various sucking and chewing pests. It is an effective IPM tool for the control of bollworm, borers, aphids, jassids, white flies, thrips on a wide range of crops.

Technical Specifications

It contains effective pest-controlling elements like Azadirachtin, nimbin, nimbidin, nimbinene, salannin, fraxinellone, etc. which in turn increase its effectiveness against various pests.

Product Information/Benefits

MODE OF ACTION: Its bitter taste helps to keep the pests at bay and it also acts as an effective anti-feedant for the insect pests. By doing this it starves the pest and also helps in stopping their multiplication.

Dosage and Method of Application:-

Doses For AMRITNeem

Cotton, Paddy, Sorghum, Chana, Okra, Cabbage, Tomato, Field crops and their Vegetables

CROP	- Target Pest
Cotton	- Bollworm, aphids, jassids, white fly
Paddy	- Leaf folder, BPH, Stem borer
Sorghum	- Shoot fly, Stem borer, Aphids
Chana	- Pod borer
Okra	- Fruit borer, leaf hopper, leaf folder
Cabbage	- DBM
Tomato	- White fly, Borer
Rose	- Aphids



AMRITNeem (1500 ppm)

Neem Seed Kernel Based EC containing Azadirachtin - 1%(1500 ppm) minimum.

Doses For AMRITNeem 1500 ppm
3ml- 3.5ml /lit



AMRITNeem (3000 ppm)

Neem Seed Kernel Based EC containing Azadirachtin - 1%(3000 ppm) minimum.

Doses For AMRITNeem 3000 ppm
2-2.5. ml/lit



AMRITNeem (10000 ppm)

Neem Seed Kernel Based EC containing Azadirachtin - 1%(10000 ppm) minimum.

Doses For AMRITNeem 10000 ppm
1-1.5 ml-lit

SEAYAGOLD (L)

The Bioactive compounds in seaweed extract help plants withstand environmental stresses like drought, heat, disease, enhancing their resilience and survival rates. It also fosters better nutrient absorption by plants, improving their efficiency in utilizing soil nutrients and reducing fertilizer runoff, thus benefitting the environment.

Technical Specifications

Seaweed Liquid

Kappaphycus alvarezii – 24%

Total carbohydrate per cent. by weight, minimum – 7.5%

D-Galactose – 4-O- Sulphate per cent. by weight, minimum – 6.0%

pH (minimum) (1:2 aqueous solution) –3.0-5.0

Inert- QS

Total- 100.0

Product Information/Benefits

- Balances Soil pH – The Alkaline nature of Seaweed extract helps in neutralizing acidic soils, creating a more favourable environment for plant growth & microbial activity.
- Promotes Flowering & Fruit Set – The application of Seaweed for plants stimulates flower formation, increases fruit set, leading to higher yields & improved crop quality.
- Encourages Microbial Activity – Seaweed extract acts as a biofertilizer, fostering beneficial soil microorganisms that contribute to nutrient cycling & soil health.

Dosage and Method of Application:-

Crops – Doses – Time of Application

a.) Cereals, Pulses & Oil Seeds – 2-3 ml/L – 20-25 days after sowing/planting & 15 days later.

b.) Vegetable & Commercial Crops – 3-4 ml/L – 20-25 days after sowing/planting & 15 days later.

c.) Fruit & Plantation Crops – 3-4 ml/L – At the time of flowering (or April-May) & 15 days later.



SEAYAGOLD (G)

Seaweed provides a major boost to plant growth by accelerating the plant's metabolic function. It activates rhizosphere microbial population. and promote root growth, which increases nutrient absorption.

Technical Specifications

Seaweed Granule

Seaweed (Sargassum tenerrimum) containing alginic acid 0.2% - 2.0 %

pH (1:2 aqueous solution) - 6.0 - 8.5

Bulk density (g/cc) - 0.95 - 1.1

Inert -QS

Total -100.0

Product Information/Benefits

- It can help plants resist adverse environmental conditions.
- Improves soil structure and moisture retention.
- Increases the overall growth parameters like tillering, flowering and root growth results improves yield.

Dosage and Method of Application:-

Recommendation Crops: - All field crops, Pulses, Oilseeds, Horticulture & Vegetable crops, Sugar & Fiber crops, Plantation crops, Medicinal and Aromatic crops.

Dosage & Application:

1. **Field Crops:** 20 Kg per acre

Two Times (Basal Application) -

a.) At the time of sowing (10kg)

b.) 45 Days After Sowing (10kg)

2. **Horticultural Crops:** 200 gm per tree.(Basal Application)



ECOSTIK

ECOSTIK is a technical spreader and penetrator that has unique qualities of sticking and spreading. It does not allow the spray solution to wash out even in rains. Its non-corrosive properties keep the spray & drip equipment safe and working. It can be used with insecticides, fungicides and stimulant on all crops.

Technical Specifications

Sticker and Penetrator.

Product Information/Benefits

ADVANTAGES: – It provides uniform spray deposit on leaf surface and helps in improving the coverage of the spray solution. It improves the effectiveness of the spray solution by providing penetrating effect. If used through drip, it helps to retain moisture in the root zone. It saves money by way of reduced dosages of costly agri-input products.

Dosage and Method of Application:–

Spray solution: 50 ml Ecostik for 200 liters of spray solution

In rainy Season: 100 ml for 200 liters solution

Soluble Fertilizers: 500 ml per tank

Drip unit Cleaning: 500 ml before stopping drip.





AMRITBHOOMITM
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ABOUT US

Navankur, is pleased to present our range of Biological and organic Agricultural input Products under the brand name AmritBhoomi. The **AmritBhoomi** product portfolio currently includes a variety of field-tested and result-oriented solutions, such as Biofertilizers, Biostimulants, Specialty nutrients, Biocontrol agents, and Neem-Based insecticides. Our products are designed to restore and regenerate soil health by improving soil organic matter content, rebalancing soil nutrition, enhancing water retention, promoting natural plant growth, and protecting crops from pests through ecological means. **AmritBhoomi** products are engineered to improve NPK use efficiency, safeguard Biodiversity, and reduce dependency on harmful Agrochemicals, thereby aligning with international goals for regenerative and climate-smart Agriculture.

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