Making Agriculture More Lucrative

DIVINE
AGRO FARMS

DIVINE
AGRO FARMS

- Bio Fertilizers
- Bio Fungicide
- Bio Insecticide
- Bio Stimulants
- Bio Nematicides
- Organic manure
- Agriculture inputs

PROUDUCT CATALOGUE

Liquid DIVYA ACETO (Acetobacter diazotrophicus sp.)

78% of nitrogen in the atmosphere is available as air. This nitrogen cannot be absorbed by the crop. Some bacteria in the soil can fix this nitrogen and provide the crop with nitrogen. This product is made from such beneficial bacteria. It contains bacteria called Acetobacter diazotropicus. Acetobacter diazotropicus is a bacterium that lives in the roots, stalks, leaves and sap of sugarcane and continues to fix nitrogen from the atmosphere. Since the distribution of these nitrogen-fixing bacteria is in the entire body of these crops, the function of nitrogen fixation is done by these bacteria.

Available in -
1 Ltr, 5 Ltr, 10 Ltr

Benefits:

- Increases seed germination rate Get free nitrogen from air
- Saves the cost of chemical fertilizers
- Improves soil texture
- Enhance growth of crops

Liquid DIVYA AB (Azospirillum brasilense)

It is a biofertilizer that contains Azospirillum bacteria which has the ability to colonize the plant roots and fixing atmospheric Nitrogen. It is especially beneficial for Grass family crops as it activates the soil biologically and stimulates plant growth.

Available in -
1 Ltr, 5 Ltr, 10 Ltr

Benefits:

- Obtaining nitrogen from the atmosphere reduces the cost of fertilizer over chemical nitrogen.
- Increases seed germination.
- Vigorous growth of crops.
- The crop gets resistance to fungal diseases

Liquid DIVYA AZOTO (Azotobacter chroococcum)

Nitrogen plays vital role in crop nutrients. Nitrogen is obtained from urea and other chemical fertilizers. A complex chemical process uses nitrogen from the air during production and we give the same nitrogen to the crop. Air generally contains 78 percent free nitrogen. But this free air cannot be used otherwise by the crop. But some beneficial bacteria in the soil can convert this free air into a form that can be absorbed by crops. These Bacterial Fertilizer is made by the bacteria Azotobacter chlorococcum sp. which converts free organic nitrogen from air and make it available to crops.

Available in -
1 Ltr, 5 Ltr, 10 Ltr

Benefits:

- Increases seed germination rate Get free nitrogen from air
- Saves the cost of chemical fertilizers
- Improves soil texture
- Enhance growth of crops
- Develops disease resistance capacity in crops

DIVYA SAMPOORNA Carrier Based Consortia

Nitrogen, Phosphorous, Potash forms important nutritional components for the proper growth of any crop plants. Chemical fertilizers are used to get these nutrients.
Out of total chemical fertilizers given the crop, plants can use:-

- Only 30% of total nitrogenous fertilizers.
- Only 15-20% of total phosphatic fertilizers.
- Only 50-60% of potassic fertilizers.

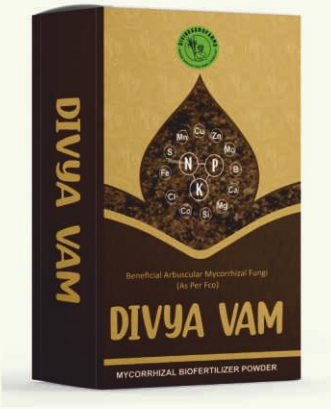
The unutilised portion of chemical fertilizers pollute the soil, water & expenses done on it goes waste. On the basis of scientific research introduced product to utilise the unutilised portion of nutrients mentioned above. The product contains mixture of efficient and effective microbes which fixes atmosphearic Nitrogen, solubilise insoluble phosphate & Potash in the soil and make available NPK to crop plant. The microbes also secrete the vital substances which offers growth & protects the active root system of the crops.

Contents:
Azotobacter Chroococcum sp. (N-fixing)
Bacillus megaterium sp. (PSB)
Frateuria aurantia sp. (KSB)

Available in -
1 Kg, 5 Kg, 10 Kg.

Benefits:

- This product provides atmospheric Nitrogen to the Crops.
- The insoluble Phosphate, insoluble Potash in the soil is solubilised & made available to the crops.
- Provides resistance against the diseases during the germination phase & later provides nourishment to the active roots.
- Increases the fertility of the soil by enriching useful microbes.
- Saves expenditure on Chemical fertilizers.



DIVYA VAM MYCORRHIZAL BIOFERTILIZER POWDER

DIVYA VAM is the product of an association between a fungus and plant root. Vesicular-arbuscular mycorrhiza (VAM) is formed by the symbiotic association between certain phycomycetous fungi and angiosperm roots. The fungus colonizes the root cortex forming a mycelial network and characteristic vesicles (bladder-like structures) and arbuscules (branched finger-like hyphae).DIVYA VAM (vesicular-arbuscular mycorrhizae) is a beneficial fungus that plays an important role in soil nutrient dynamics and improving soil physical, chemical and biological properties.Vesicular Arbuscular Mycorrhizal (VAM) is a fungus which has the ability to dissolve the phosphates found in abundance in the soil. Apart from increasing the availability of phosphorus, VAM provides the plants with the strength to resist disease and weather conditions.

Available in -
100gm, 250gms

Benefits:

- This product provides atmospherics Nitrogen to the crops.
- The insoluble Phosphate, insoluble Potash & insoluble Zinc in the soil is solubilised & made available to the crops.
- Provides resistance against the diseases during the germination phase & later provides protection to the active roots.
- Increases the fertility of the soil by enriching useful microbes.
- Saves expenditure on Chemical fertilizers.

Liquid DIVYA PSB (Phosphate Solubilizing Bacteria)

Phosphate along with other nutrients plays an important role in the growth of crops. We use many chemical and organic fertilizers to add Phosphate to soil. Some useful bacteria in the soil do the work of bringing the insoluble form of Phosphate into soluble form. Such bacteria are called Phosphate solubilizing bacteria. These bacteria are isolated and grown in laboratory and bacterial fertilizers are developed from such bacteria. These bacteria secrete various organic acids, phosphorus compounds and convert insoluble Phosphate into soluble form for intake of crop. Phosphate solubilizers thus promote vigorous growth of crops.

Available in -
1 Ltr, 5 Ltr, 10 Ltr

Benefits:

- Increases seed germination rate.
- Insoluble phosphorus is available to the crop in soluble form.
- Improves soil texture.
- Saves the cost of chemical fertilizer.
- By staying around the root of the plant, it gives resistance against diseases to crops

Liquid DIVYA POTASH (Potash Solubilizing Bacteria)

Potash along with other nutrients plays a vital role in the growth of crops. We apply potash to soil through many chemical and organic substances. Some useful bacteria in the soil do the work of solubilizing insoluble potash. These bacteria also mobilizes the soluble potash to the root zone of crops and help the roots to intake the soluble potash. Such bacteria are called potassium solubilizing bacteria. These bacteria secrete various organic acids, potash wastes and convert the insoluble potash into soluble form.

Available in -
1 Ltr, 5 Ltr, 10 Ltr

Benefits:

- Increases seed germination rate.
- Insoluble potash is available to the crop in soluble form.
- By staying around the root of the crop, it gives crops the strength to resist the disease.
- Improves soil texture.
- Saves the cost of chemical potash fertilizer.

Liquid DIVYA RHIZO (Rhizobium sp.)

78% of nitrogen in the atmosphere is in gaseous form. Certain beneficial soil bacteria can absorb this nitrogen and make it available to the crop. These bacteria form nodules on the roots of legume plants and provide nitrogen from the air to the legume plants. This product contains specific Rhizobium japonicum sp. Bacteria.

Available in -
1 Ltr, 5 Ltr, 10 Ltr

Benefits:

- Obtaining nitrogen from the atmosphere reduces the cost of fertilizer over chemical nitrogen.
- Increases seed germination.
- Vigorous growth of crops.
- The crop gets resistance to fungal diseases

DIVYA SAMPOORNA (liquid Consortia)

Nitrogen, Phosphorous, Potash, Zinc, Iron and Sulphur forms important nutritional components for the proper growth of any crop. We use chemical fertilizers to get these nutrients. The product contains mixture of efficient and effective microbes which fixes atmospheric Nitrogen, solubilize insoluble phosphate, Potash, Zinc, Iron & Sulphur in the soil and make available to the crops. The microbes also secrete the vital substances which offers growth & protects the active root system of the crops.

Available in -
1 Ltr, 5 Ltr, 10 Ltr

Benefits:

- This product provides atmospherics Nitrogen to the crops.
- The insoluble Phosphate, insoluble Potash & insoluble Zinc in the soil is solubilised & made available to the crops.
- Provides resistance against the diseases during the germination phase & later provides protection to the active roots.
- Increases the fertility of the soil by enriching useful microbes.
- Saves expenditure on Chemical fertilizers.

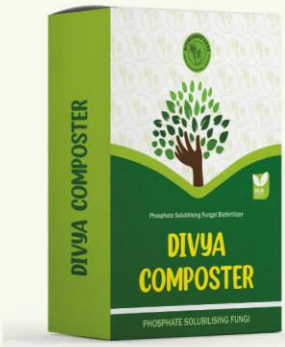
Liquid DIVYA ZSB (Zinc Solubilizing Bacteria)

Zinc, along with other micronutrients, plays an important role in micronutrients for plant growth. We add zinc to the soil through many chemical and organic fertilizers. Some useful bacteria in the soil do the work of bringing the insoluble form of zinc into soluble form. Such bacteria are called zinc solubilizing bacteria. These bacteria are isolated and grown in laboratory and from such bacteria, bacterial fertilizer DIVYA ZSB liquid biofertilizer has been developed. The bacteria secrete various organic acids, zinc-degrades and convert insoluble zinc into soluble form for the crop. In this way zinc solubilizing bacteria work to increase crop growth.

Available in -
1 Ltr, 5 Ltr, 10 Ltr

Benefits:

- Increases seed germination rate.
- Insoluble zinc is available to the crop in soluble form.
- By staying around the root of the crop, it gives the plant the strength to resist the disease in its infancy on the root.
- Improves soil texture.
- Saves the cost of chemical zinc fertilizer.



DIVYA COMPOSTER PHOSPHATE SOLUBILISING FUNGI

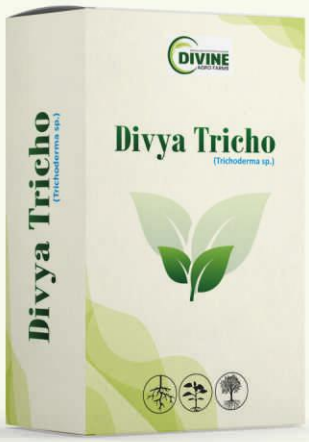
Divya Composter Compost Culture is a microbial product that rapidly decomposes agro-waste like cow dung, sugarcane bagasse, and crop residues into high-quality organic fertilizer. Unlike traditional methods, which result in nutrient-deficient and pathogen-laden compost, Divya Composter creates nutrient-rich, pathogen-free compost that enhances soil fertility.
This eco-friendly solution promotes sustainable farming, supports nitrogen-fixing and phosphorus-dissolving bacteria, and transforms various organic materials into valuable fertilizers, boosting crop yields and reducing costs effectively.

Available in -
1 Kg, 5 Kg, 10 Kg.

Benefits:

- Converts farm waste, cow dung, sugarcane bagasse and other organic matter into high-quality compost quickly and efficiently.
- Inhibits the growth of harmful fungi, bacteria and insect eggs during the composting process, ensuring safer and healthier fertilizer.
- Enhances biological fertility by supporting nitrogen-fixing, phosphorus-dissolving and potash-dissolving bacteria.
- Promotes sustainable farming practices by utilizing agricultural waste effectively and reducing reliance on chemical fertilizers.
- Reduces fertilizer costs while boosting crop yields and overall agricultural productivity.

Divya Tricho (Trichoderma sp.)



Trichoderma viride is biological control agent which is a highly effective biofungicide used to manage various plant diseases caused by harmful fungi. It operates through mechanisms such as mycoparasitism (attacking other fungi), antibiosis (producing inhibitory substances), and competition. Naturally occurring in soils, it is an integral part of the soil ecosystem. Beyond disease control, it promotes plant health by enhancing nutrient availability and root development. This agent is an environmentally friendly alternative to chemical fungicides, thereby reducing the environmental impact of agriculture. It finds wide applications in various forms, including seed treatments, soil applications, and foliar sprays, making it suitable for agriculture, horticulture, and home gardening. It effectively controls numerous soil-borne pathogens such as Fusarium, Rhizoctonia, and Pythium. Known as a green mold due to the color of its spores, it produces enzymes like chitinases that break down the cell walls of other fungi.

Benefits:

- Controls harmful fungi through mechanisms like mycoparasitism, antibiosis, and competition, also managing soil-borne pathogens like Fusarium and Rhizoctonia.
- Naturally present in soil, it enhances plant health by improving nutrient availability and root growth.
- A sustainable, environmentally friendly alternative to chemical fungicides.
- Useful in agriculture, horticulture, and gardening via seed treatments, soil applications, and foliar sprays.

Available in -
1 Kg, 5 Kg, 10 Kg.

DIVYA META (Metarhizium sp.)

Metarhizium anisopliae is an entomopathogenic fungus, meaning it specifically infects and kills insects. Widely used as a biological control agent, it manages various insect pests in agriculture and other settings. The fungal spores attach to the insect's cuticle (outer layer), germinate, and penetrate the insect's body. Once inside, the fungus grows and proliferates, eventually killing the insect. It has a broad host range, affecting a wide variety of insect species, including beetles, ticks, thrips, and many others. Considered an environmentally friendly alternative to chemical insecticides, the disease caused by this fungus is sometimes called "green muscardine disease" due to the green color of the spores produced on the dead insect. It can be applied as a spray or incorporated into soil and is used in a range of agricultural settings. It is also being researched for use in controlling insects that spread human disease. Metarhizium anisopliae occurs naturally in soils throughout the world.

Benefits:

- Metarhizium anisopliae infects and kills insects by penetrating their bodies with fungal spores, eventually causing "green muscardine disease."
- Effective against various insects like beetles, ticks, and thrips, making it versatile for pest management.
- A sustainable alternative to chemical insecticides, naturally occurring in soils worldwide.
- Used as sprays or soil treatments in agriculture, and researched for controlling disease-spreading insects.

Available in -
1 Kg, 5 Kg, 10 Kg.

DIVYA PF (Pseudomonas sp.)

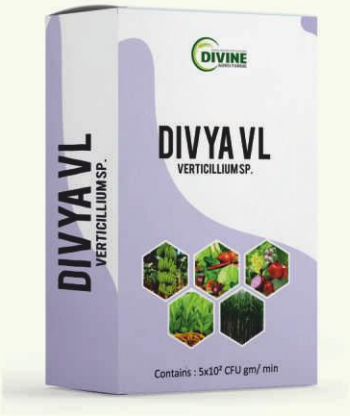
Pseudomonas fluorescens plays a significant role in modern agricultural practices, primarily due to its ability to enhance plant health and protect crops from diseases. It effectively suppresses various soil-borne pathogens, including fungi and bacteria, that cause plant diseases. Mechanisms include antibiosis, which involves producing antibiotics that inhibit pathogen growth, competition for essential nutrients and space, and induced systemic resistance (ISR), which triggers the plant's own defense mechanisms. Acting as a plant growth-promoting rhizobacterium (PGPR), it enhances plant growth and development by making essential nutrients like phosphorus available to plants and synthesizing plant hormones that regulate growth. It offers a sustainable alternative to chemical pesticides and fertilizers, reducing environmental pollution and contributing to healthier soil ecosystems. Pseudomonas fluorescens is used in various agricultural applications, including seed treatments, soil applications, and foliar sprays. By protecting plants from disease and promoting growth, it contributes to increased crop yields and improved crop quality. In essence, Pseudomonas fluorescens is a valuable tool for promoting sustainable and productive agriculture.

Benefits:

- Suppresses soil-borne pathogens through mechanisms like antibiosis, competition and Induced Systemic Resistance (ISR).
- Promotes growth by solubilizing nutrients and producing phytohormones.
- A sustainable alternative to chemical pesticides and fertilizers, fostering healthier soil ecosystems.
- Used in seed treatments, soil applications and foliar sprays to boost crop yields and quality.

Available in -
1 Kg, 5 Kg, 10 Kg.

DIVYA VL (Verticillium sp.)



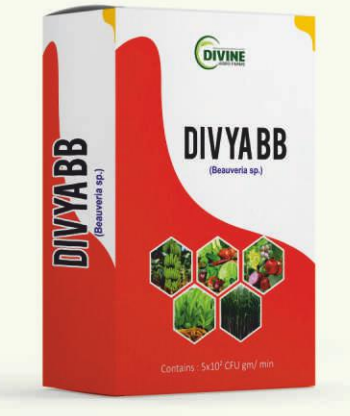
Verticillium lecanii (now more accurately referred to as Lecanicillium lecanii) is a valuable tool in agriculture, primarily serving as a biological control agent. It is an entomopathogenic fungus, meaning it infects and kills insects. It is used to control various economically important insect pests, particularly those with soft bodies, such as aphids, whiteflies, thrips, mealybugs, and scale insects. The fungal spores attach to the insect's cuticle, germinate, and penetrate the insect's body, eventually leading to the insect's death. This fungus provides an environmentally friendly alternative to chemical insecticides, helping to reduce pesticide residues on crops and contributing to integrated pest management (IPM) strategies. It can be applied as a spray and is suitable for use in various agricultural settings, including greenhouses and open fields. As a naturally occurring fungus, it is considered more environmentally friendly than many chemical pesticides and helps to maintain a natural balance within the agricultural ecosystem.

Benefits:

- Lecanicillium lecanii infects and kills soft-bodied insect pests like aphids, whitefliesand mealybugs by penetrating their bodies with fungal spores.
- Offers a sustainable alternative to chemical insecticides, reducing pesticide residues and supporting integrated pest management (IPM).
- Used as sprays in various settings like greenhouses and fields, helping maintain ecological balance in agricultural ecosystems.

Available in -
1 Kg, 5 Kg, 10 Kg.

DIVYA BB (Beauveria sp.)



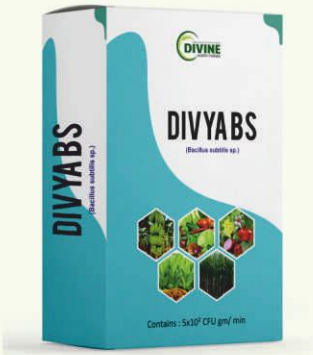
Beauveria bassiana is a naturally occurring fungus that plays a significant role in agriculture as a biological control agent. It is an entomopathogenic fungus, meaning it infects and kills a wide range of insect pests, and is used as a biopesticide to manage various agricultural pests, reducing the reliance on chemical insecticides. The fungal spores attach to the insect's cuticle (outer layer), germinate, and penetrate the insect's body, proliferating within the insect and producing toxins that ultimately cause death. It can infect a broad spectrum of insect pests, including aphids, whiteflies, thrips, beetles, and many others. Beauveria bassiana offers an environmentally friendly alternative to chemical pesticides, helping to minimize pesticide residues on crops and in the environment, and supporting integrated pest management (IPM) strategies. It is applied in various forms, including sprays and dusts, and is used in diverse agricultural settings, such as field crops, orchards, and greenhouses. Additionally, some studies indicate that Beauveria bassiana can also increase plant defenses against other stresses and can be antagonistic to some plant pathogens. In essence, Beauveria bassiana is a valuable tool for sustainable agriculture, providing an effective and environmentally responsible approach to pest management.

Benefits:

- Beauveria bassiana infects and kills a wide range of insect pests like aphids, thrips and beetles, reducing reliance on chemical insecticides.
- A sustainable alternative that minimizes pesticide residues, supports Integrated Pest Management (IPM), and contributes to environmental health.
- Used as sprays or dusts in various settings, including orchards, greenhousesand field crops, while also enhancing plant defenses against stresses.

Available in -
1 Kg, 5 Kg, 10 Kg.

DIVYA BS (Bacillus subtilis sp.)



Bacillus subtilis is a very important bacterium in agriculture, especially concerning its use as a biopesticide. It is effective in suppressing a wide range of plant diseases caused by both fungal and bacterial pathogens through several mechanisms, including antibiosis, where it produces various antimicrobial compounds like lipopeptides that inhibit or kill pathogens, competition for essential nutrients and space in the rhizosphere (the area around plant roots), and induced systemic resistance (ISR), which triggers the plant's own defense mechanisms, making it more resistant to diseases. The mechanisms of biocontrol include the production of various enzymes that break down pathogen cell walls and the formation of biofilms that prevent pathogens from colonizing plant roots. Bacillus subtilis is used in various forms, including seed treatments to protect seedlings from soil-borne diseases, soil applications to create a protective barrier against pathogens, and foliar sprays to control diseases on leaves and stems. It offers an environmentally friendly alternative to chemical pesticides, helping to reduce the risk of pesticide residues on crops and contributing to sustainable agriculture practices. Because it forms endospores, it has a long shelf life and is resistant to many environmental stressors, making it a very useful biopesticide.

Benefits:

- Bacillus subtilis suppresses fungal and bacterial pathogens through antibiosis, competition, biofilm formation and enzymes that break down pathogen cell walls, while triggering plants' defense mechanisms (ISR).
- Used in seed treatments, soil applications and foliar sprays, it protects crops while minimizing pesticide residues and promoting sustainable agriculture.
- As an environmentally friendly biopesticide it has a long shelf life and resists environmental stressors due to its ability to form endospores.

Available in -
1 Kg, 5 Kg, 10 Kg.

DIVYA ASTRA (Azadirachtin sp.)

Azadirachtin is a naturally occurring pesticide found in the seeds of the neem tree (Azadirachta indica). It is a key component of neem oil and is valued for its broad-spectrum insecticidal properties. Primarily used as a biopesticide, azadirachtin effectively controls a wide range of insect pests, including aphids, whiteflies, thrips, beetles, and caterpillars. In agriculture, it protects crops from insect damage and can be applied as a spray or used in soil treatments, making it suitable for various crops such as fruits, vegetables, and ornamentals. Azadirachtin is a natural and biodegradable compound derived from neem trees, breaking down relatively quickly in the environment. Its broad-spectrum activity and multiple modes of action, including antifeedant, growth regulator, and repellent, make it effective against numerous insect pests. It is considered relatively safe for humans and non-target organisms when used properly and has a lower toxicity compared to many synthetic pesticides. Environmentally friendly, azadirachtin reduces reliance on chemical pesticides, minimizing environmental pollution and supporting organic farming. Additionally, because it has multiple modes of action, insects are less likely to develop resistance to azadirachtin compared to single-mode chemical pesticides.

Available in -
300 ppm
1500 ppm
3000 ppm
10000 ppm
1500 ppm Granules
25000 ppm
50000 ppm

Available in -
100ml, 250ml, 500ml, 1 Ltr, 5 Ltr,

GROWMAX HUMIC

Humic is research based product containing humic acid 98% along with important adjuvant. it is a plant energize, rooting stimulant yield booster. it enhances the plant rooting, water holding capacity & growth Plant.
Recommended For crop like cotton, paddy, wheat, soya beans, chillies, brinjal, tomato & other vegetables pulses, oilseed, fruits & flowering crops.
Compatibility Humic is compatible with pesticide & fungicides. Please check compatibility with insecticide or fertilizers before use

Benefits:
- It improves soil structure
- It Stimulated root growth
- It Increases nutrient absorption
- It Improves water holding capacity
- It Stimulates plant growth

Available in -
1 Kg, 5 Kg, 10 Kg.

GROWMAX G.A (Gibbralic Acid)

Gibberellic acid (GA3) is a plant growth hormone that plays a crucial role in various developmental processes. Its applications in agriculture and horticulture are widespread, offering numerous benefits. GA3 promotes stem and leaf elongation, leading to increased plant height. It can break seed and bud dormancy, promoting germination and sprouting, and can induce flowering in some plants, particularly long-day plants. Additionally, GA3 can enhance fruit set, particularly in crops like grapes, and increase fruit size and improve fruit quality in certain crops. It is also used in the malting process of barley to increase enzyme production that breaks down starches. GA3 contributes to increased crop yields by promoting growth and fruit development, enhances fruit size, shape, and overall quality, and can lead to earlier harvests by breaking dormancy and promoting flowering. It improves seed germination rates, leading to better crop establishment, and allows for the manipulation of plant growth, which can be beneficial in various agricultural and horticultural applications. In pasture situations, it can be used to increase feed availability. In essence, gibberellic acid is a valuable tool for manipulating plant growth and development, offering numerous benefits for agriculture and horticulture.

Benefits:
- Gibberellic acid (GA3) enhances stem and leaf elongation, breaks dormancy in seeds and buds, promotes flowering, and increases fruit set and development.
- Improves seed germination rates, fruit size and quality, leading to higher yields and earlier harvests. Used in agriculture for malting barley, improving pasture production, and manipulating plant growth in diverse settings.
- Helps establish crops and supports sustainable practices by improving plant growth and development efficiently.

Available in -
100ml, 250ml, 500ml, 1 Ltr, 5 Ltr,

GROWMAX 6

6-Benzylaminopurine (6-BA) is a synthetic cytokinin, a type of plant growth regulator that plays a significant role in agriculture. It stimulates cell division and differentiation, which are fundamental processes in plant growth and development. It encourages the growth of lateral buds, leading to increased branching and bushier plants, which is particularly valuable for crops where increased branching is desirable. 6-BA can promote flower formation and improve fruit set, resulting in increased yields. It can delay the aging process in plants, keeping leaves greener for longer and extending the shelf life of harvested produce. Widely used in plant tissue culture, 6-BA induces shoot formation and promotes the multiplication of plantlets. By promoting branching, flowering, and fruit set, 6-BA can contribute to significantly higher crop yields. It enhances the quality of fruits and vegetables by promoting uniform development and delaying senescence. This is beneficial for crops where a bushy growth habit is desired, such as ornamental plants and some fruit trees. By delaying senescence, 6-BA can help extend the shelf life of harvested produce, reducing post-harvest losses. It is very useful in horticulture for promoting desired growth patterns in ornamental plants. In essence, 6-BA is a valuable tool for manipulating plant growth and development, offering numerous benefits for agriculture and horticulture.

Available in -
250ml, 500ml, 1 Ltr

Benefits:

- 6-Benzylaminopurine (6-BA) stimulates cell division, enhances lateral bud growth, and encourages flowering and fruit set to improve yields.
- Keeps leaves greener for longer, extends shelf life of produce, and minimizes post-harvest losses.
- Widely used to induce shoot formation and multiply plantlets in plant tissue culture.
- Improves branching and promotes desired growth patterns in crops, ornamental plants and fruit trees.

GROWMAX IBA

Indole-3-butyric acid (IBA) is a plant hormone belonging to the auxin family, and it plays a vital role in agriculture, particularly in plant propagation and growth regulation. IBA is most widely known for its ability to stimulate the formation of adventitious roots, making it invaluable for propagating plants from cuttings. It is used extensively in horticulture and nursery practices to enhance root development in various plant species. By promoting robust root growth, IBA helps plants establish themselves more effectively after transplanting, reducing transplant shock. In some crops, IBA can influence fruit set and development, contributing to increased yields. It is a key component in plant tissue culture, where it is used to induce root formation in vitro, enabling the mass propagation of plants. IBA significantly increases the success rate of plant propagation through cuttings, allowing for the efficient multiplication of desirable plant varieties. It promotes the development of a strong and healthy root system, which is essential for nutrient and water uptake. By improving root establishment and, in some cases, fruit development, IBA can contribute to higher crop yields. It helps plants cope with stress, particularly during transplanting, ensuring better survival and growth. IBA can be applied in various forms, including powders, solutions, and gels, making it adaptable to different propagation techniques. In essence, IBA is a fundamental tool in modern agriculture and horticulture, facilitating efficient plant propagation and promoting healthy plant growth.

Available in -
250ml, 500ml, 1 Ltr

Benefits:

- Indole-3-butyric acid (IBA) stimulates adventitious root formation, enhancing success in plant propagation through cuttings and tissue culture.
- Promotes robust root growth, helping plants establish more effectively and survive transplanting stress.
- Improves root development and fruit set, contributing to higher yields in some crops.
- Used in powders, solutions, and gels, IBA adapts to various propagation techniques in agriculture and horticulture.

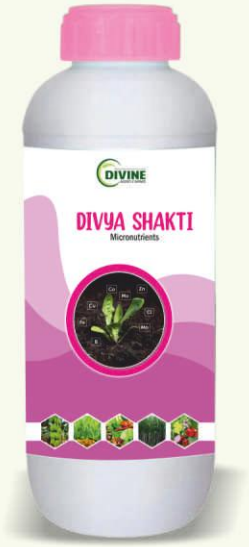
GROWMAX AMINO

Amino acids play a multifaceted and crucial role in agriculture, contributing to plant health, growth, and stress tolerance. They are the building blocks of proteins, which are essential for all plant functions, including growth, development, and defense. Certain amino acids, like proline, help plants cope with environmental stresses such as drought, salinity, and extreme temperatures by maintaining osmotic balance and protecting cellular structures. Amino acids can act as chelating agents, enhancing the uptake and transport of essential nutrients, particularly micro nutrients. Some amino acids contribute to the synthesis of chlorophyll, the pigment responsible for photosynthesis, leading to improved energy production. They also serve as precursors for plant hormones, which regulate various physiological processes, including growth, flowering, and fruit development. Additionally, amino acids can improve pollination and fruit set, leading to increased yields. By promoting growth, nutrient uptake, and stress tolerance, amino acids contribute to higher crop yields. They enhance the nutritional value, flavor, and appearance of fruits and vegetables. Amino acids help plants withstand adverse environmental conditions, reducing crop losses. They facilitate the uptake and utilization of nutrients, reducing the need for excessive fertilization. Amino acids stimulate various physiological processes, leading to healthier and more vigorous plants. Using amino acids can reduce the reliance on synthetic fertilizers and pesticides, contributing to sustainable agriculture. In essence, amino acids are valuable biostimulants that support plant health and productivity, promoting sustainable and efficient agricultural practices.

Available in -
500ml, 1 Ltr, 5 Ltr

Benefits:

- Amino acids are vital for protein synthesis, chlorophyll production, and hormone precursors, enhancing plant growth, flowering, and fruit set.
- They help plants withstand environmental stresses like drought and salinity while improving nutrient uptake and utilization.
- Amino acids enhance yields, nutritional value, flavor, and appearance of crops, while reducing losses from stress.
- By reducing reliance on synthetic fertilizers and pesticides, amino acids contribute to eco-friendly and efficient farming practices.



DIVYA SHAKTI Micronutrients

Micronutrients play a very important role in vital processes of plants. They increase the chlorophyll content of leaves, improve photosynthesis which intensify the assimilating activity of the whole plants. All the essential elements perform several functions like they maintain the osmotic concentration of the cell sap, have buffering action, show enzymatic activity and act as a major constituent of macromolecules and coenzymes. Micronutrients play a central part in metabolism and in the maintenance of tissue function. Micronutrients imperative role in plant growth and development.

Total 11 grades
As per FCO Available

Benefits:

- Micronutrients like zinc, iron, and boron are crucial for processes like enzyme activation, photosynthesis, and nitrogen fixation.
- They enhance crop quality, increase yields and help plants resist environmental stresses such as drought and salinity.
- Optimizes nutrient use efficiency, corrects deficiencies, and supports eco-friendly farming practices.

Available in - 1 Ltr, 5 Ltr, 10 Ltr

PRTHAM (PROM)

Phosphate Rich Organic Manure (PROM) is a valuable fertilizer in agriculture, designed to provide a sustainable source of phosphorus to plants. PROM serves as a significant source of phosphorus, an essential nutrient for plant growth, root development, and energy transfer. It offers a more sustainable alternative to traditional chemical phosphate fertilizers. As an organic manure, PROM enhances soil structure, improving aeration, water-holding capacity, and overall soil health. It promotes the activity of beneficial soil microorganisms. The organic matter in PROM helps to make phosphorus and other
nutrients more available to plants over a longer period. It can also provide micronutrients. PROM reduces reliance on chemical phosphate fertilizers, which can have negative environmental impacts. It improves soil physical, chemical, and biological properties, leading to healthier soil ecosystems. By providing a steady supply of phosphorus, PROM promotes strong root development, vigorous growth, and increased yields. The organic matter in PROM helps to retain phosphorus in the soil, reducing leaching and runoff. PROM is a more environmentally friendly option compared to chemical fertilizers, contributing to sustainable agriculture. Because it is an organic manure, it contributes to long-term soil fertility. In essence, PROM is a valuable tool for farmers seeking to improve soil health and crop productivity in a sustainable manner.

Benefits:

- **Sustainable Phosphorus Supply:** PROM provides essential phosphorus for plant growth, root development, and energy transfer
- while reducing reliance on chemical fertilizers.
- **Improves Soil Health :** Enhances soil structure, boosts aeration, water
- retention, and microbial activity, contributing to long-term fertility and healthier ecosystems.
- **Promotes Crop Growth :** Supports strong root development, reduces nutrient loss and increases yields, making it an environmentally friendly choice for sustainable agriculture.

Available in - 50 Kg.

PRTHAM (PDM)

Potash derived from molasses is gaining attention in agriculture as a sustainable and valuable source of potassium. Potassium is an essential macronutrient for plant growth, playing a vital role in various physiological processes. Potash derived from molasses provides a source of this crucial nutrient and serves as an alternative to traditional potassium fertilizers like muriate of potash (MOP). Being derived from molasses, it contributes to soil organic matter, which enhances soil structure, water retention, and microbial activity, and this organic component can improve overall soil fertility. Utilizing a byproduct of the sugar industry reduces waste and promotes a circular economy, offering a more sustainable option compared to mining potassium for traditional fertilizers. By providing a domestic source of potash, it helps reduce reliance on imports, which can be subject to price fluctuations and supply chain disruptions. Potassium is essential for fruit development, sugar transport, and disease resistance, leading to improved crop quality and yields. Utilizing a byproduct reduces waste and minimizes the environmental impact associated with traditional fertilizer production. The organic matter content contributes to healthier soil, benefiting long-term soil fertility and crop productivity. It may be a cost-effective alternative to traditional potash fertilizers. In essence, potash derived from molasses offers a promising approach to sustainable potassium fertilization, benefiting both crop production and the environment.

Benefits:

- **Sustainable Potassium Source :** Potash from molasses provides essential potassium for plant growth, offering an eco-friendly and cost-effective alternative to traditional fertilizers.
- **Improves Soil Health :** Enhances soil structure, water retention, and fertility by contributing to organic matter and supporting microbial activity.
- **Boosts Crop Quality & Sustainability :** Promotes better fruit development, disease resistance, and yields while reducing reliance on imports and minimizing environmental impact.

Available in - 50 Kg.

PRTHAM (Fermented organic manure)

Fermented organic manure (FOM) is a product of organic materials that have undergone a controlled fermentation process. This process significantly enhances its value as a soil amendment and fertilizer. Fermentation breaks down complex organic matter into simpler, more readily available nutrients for plants, increasing the bioavailability of essential elements like nitrogen, phosphorus, and potassium. It enhances the concentration of beneficial micronutrients. The fermentation process fosters the growth of beneficial microorganisms, which are crucial for soil health and nutrient cycling, contributing to improved soil structure and fertility. FOM improves soil structure, increasing water-holding capacity, aeration, and drainage, enhancing soil tilth, and making it easier for plant roots to grow. Proper fermentation can reduce or eliminate harmful pathogens present in raw organic materials. The readily available nutrients and enhanced soil health promote vigorous plant growth and increased yields. FOM contributes to long-term soil fertility by increasing organic matter content and fostering a healthy soil microbiome. By providing a rich source of nutrients, FOM can reduce the need for synthetic fertilizers, minimizing environmental impact. Healthy soil and a thriving microbiome help plants withstand environmental stresses like drought and disease. FOM promotes sustainable agriculture by utilizing organic waste materials and reducing pollution. Fermented organic manure increases the amount of beneficial microbes in the soil. In essence, fermented organic manure is a powerful tool for promoting sustainable and productive agriculture by improving soil health and providing essential nutrients to plants.

Benefits:

- **Enriches Nutrients & Soil Health:** Fermented organic manure (FOM) breaks down organic matter into bioavailable nutrients like nitrogen, phosphorus, and potassium, while fostering beneficial microorganisms for improved soil fertility.
- **Boosts Plant Growth & Resilience :** Provides essential nutrients, enhances soil structure and supports a healthy microbiome, promoting vigorous growth and stress tolerance against drought and disease.
- **Environmentally Sustainable :** Utilizes organic waste, reduces reliance on synthetic fertilizers, minimizes pollution, and contributes to long-term soil productivity.

Available in - 50 Kg.

PRTHAM Organic Manure NPK > 1.5

While NPK values are important, the true value of organic manure lies in its ability to improve overall soil health. Organic manure provides essential macronutrients (NPK) and micronutrients to plants, releasing nutrients gradually and preventing nutrient leaching, thus providing a sustained supply. It enhances soil structure by improving aeration, water infiltration, and water-holding capacity, increasing organic matter content, and promoting a healthy soil ecosystem. It also stimulates microbial activity, supporting beneficial soil microorganisms. The benefits of organic manure include improved plant growth by providing balanced nutrition, enhancing root development and nutrient uptake, and building long-term soil fertility by increasing organic matter and microbial activity. It improves soil's ability to retain nutrients and water, leading to increased crop yields. Organic manure reduces reliance on synthetic fertilizers, minimizing environmental pollution and promoting carbon sequestration in the soil. It also improves soil biodiversity by promoting a healthy environment for soil organisms. Regarding NPK values, when organic manure has a higher NPK, particularly above 1.5, it means that it is a more concentrated source of those key nutrients, which can be very beneficial for crops with high nutrient demands. However, the NPK values of organic manure are usually much lower than those of chemical fertilizers, so larger quantities of organic manure will be needed. The slow release of nutrients and the general improvement of soil health give organic manure many benefits that chemical fertilizers do not provide. In summary, organic manure, especially when it has a relatively higher NPK, is a valuable resource for sustainable agriculture, promoting plant health, soil fertility, and environmental sustainability.

Benefits:

- **Improves Soil Health & Fertility :** Organic manure enhances soil structure, increases organic matter, and stimulates microbial activity, promoting long-term fertility and biodiversity.
- **Provides Sustainable Nutrients :** Gradual release of essential macronutrients (NPK) and micronutrients supports balanced plant growth, root development, and nutrient retention.
- **Eco-Friendly Agriculture :** Reduces reliance on synthetic fertilizers, minimizes pollution, and contributes to sustainable practices, benefiting both plants and the environment.

Available in - 50 Kg.

PRTHAM Potash Derived from Rhodophytes

The use of potash derived from rhodophytes (red algae) is an emerging and promising area in sustainable agriculture. Rhodophytes, particularly certain species, are rich in potassium, making them a viable alternative source of potash for agricultural use. This potassium is essential for various plant
functions, including water regulation, nutrient transport, and enzyme activation. Beyond potassium, rhodophytes contain other beneficial compounds, including trace minerals and organic matter, which can improve soil structure, water-holding capacity, and microbial activity. Utilizing rhodophytes for potash production offers a more sustainable approach compared to traditional mining of potassium minerals, leveraging a renewable resource and contributing to a circular economy. Seaweed extracts, including those from rhodophytes, contain compounds that act as biostimulants, enhancing plant growth and stress tolerance. Using rhodophyte-derived potash can decrease dependence on synthetic potassium fertilizers, which can have environmental drawbacks. Potassium is crucial for fruit development, sugar content, and overall crop quality, and rhodophyte-derived potash can contribute to better-quality produce. The organic matter in rhodophytes improves soil structure and fertility, promoting a healthier soil ecosystem. Utilizing a natural, renewable resource reduces the environmental impact associated with traditional fertilizer production. Rhodophytes contain trace minerals that can benefit plant health, addressing potential micronutrient deficiencies in soils. In essence, potash derived from rhodophytes represents a sustainable and beneficial approach to potassium fertilization, offering advantages for both crop production and environmental health.

Benefits:

- **Sustainable Potassium Source :** Rhodophytes (red algae) provide potassium essential for plant functions like water regulation and nutrient transport, serving as an eco-friendly alternative to traditional fertilizers.
- **Improves Soil & Crop Quality :** Enhances soil structure and fertility with organic matter and trace minerals, boosting crop quality, fruit development, and stress tolerance.
- **Environmentally Friendly Solution :** Utilizes renewable resources, reduces reliance on synthetic fertilizers and minimizes environmental impact while supporting sustainable agriculture.

Available in - 50 Kg.

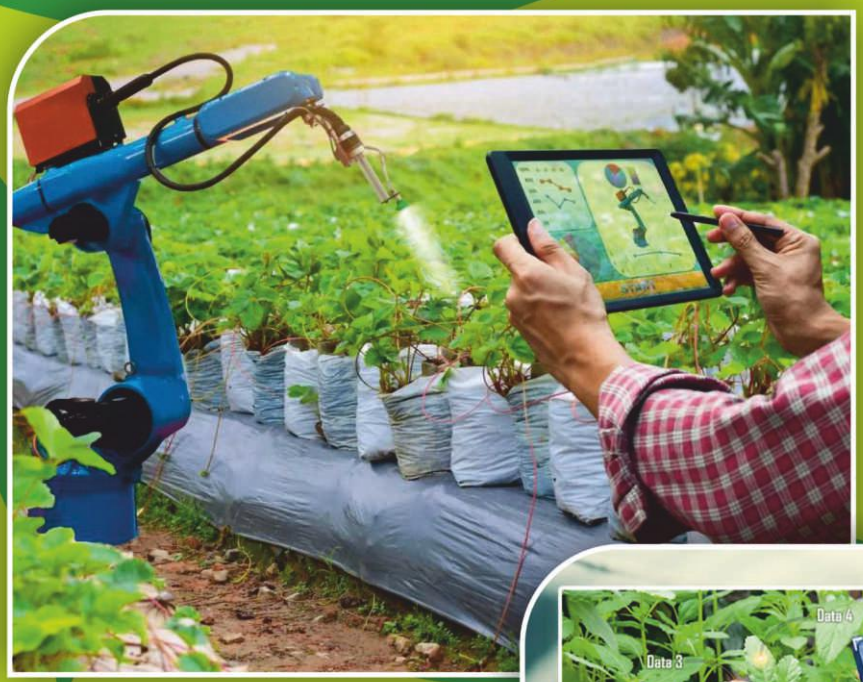
PRTHAM (Bio Enriched Organic Manure)

Bio-enriched organic manure (BEOM) represents a significant advancement in sustainable agricultural practices. It combines the benefits of traditional organic manure with the added advantage of enhanced microbial activity and nutrient availability. BEOM is designed to increase the availability of essential nutrients like nitrogen, phosphorus, and potassium to plants, often achieved by incorporating beneficial microorganisms that help solubilize and release these nutrients. It provides a slow and sustained release of nutrients, minimizing losses through leaching. BEOM is inoculated with beneficial microorganisms, such as nitrogen-fixing bacteria, phosphate-solubilizing bacteria, and other beneficial fungi, enhancing soil fertility, improving nutrient cycling, and suppressing soil-borne diseases. Like traditional organic manure, BEOM improves soil structure, increasing water-holding capacity, aeration, and drainage, enhancing soil tilth, and making it easier for plant roots to grow. It adds to the soil's organic matter, which is very important for soil health. By providing a balanced supply of nutrients and improving soil health, BEOM contributes to higher crop yields. It enhances the nutritional value, flavor, and overall quality of crops. BEOM can significantly reduce the need for synthetic fertilizers, minimizing environmental pollution and promoting sustainable agriculture. It promotes a healthy soil ecosystem, increasing organic matter content, microbial diversity, and soil fertility. Healthy soil and a thriving microbiome help plants withstand environmental stresses like drought, salinity, and disease.

Benefits:

- **Nutrient-Rich & Microbial Boost :** Bio-enriched organic manure (BEOM) provides essential nutrients like nitrogen, phosphorus and potassium while enhancing soil microbial activity and nutrient cycling.
- **Improves Soil & Plant Health :** Enhances soil structure, fertility, and organic matter, promoting better crop yields, quality, and resilience to stresses like drought and disease.
- **Eco-Friendly Alternative :** Reduces dependency on synthetic fertilizers, minimizes environmental impact and supports sustainable agricultural practices.

Available in - 50 Kg.



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