



TINY
SEEDLING
SPROUTING
FROM
THE EARTH

This is India's Development
and this is what
we draw a bead on

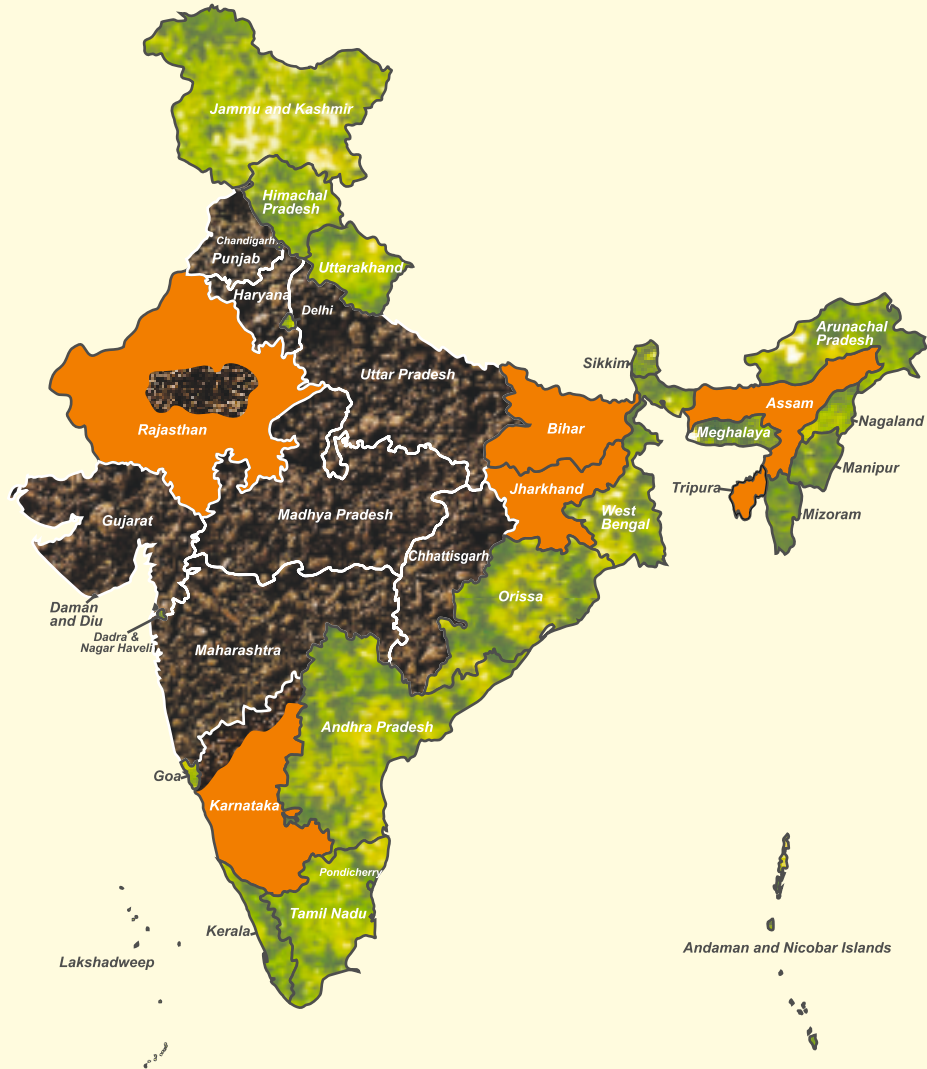


INDORE BIOTECH INPUTS & RESEARCH (P) LTD.



IB's Marketing Centers in INDIA

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Company Certifications :



Product Certifications :



Memberships :





**"SERVING INDUSTRY
SINCE 1994"**

And Farming community too



OUR PHILOSOPHY

Mother Nature can feed everyone's need but not everyone's greed.

We, at Indore Bio Tech believe in a world in which all people can access and enjoy food that is good for them, good for those who grow it and good for the planet. We see the Farmer and Farming in a larger picture, where food, life style, consumption, symbiosis and peaceful co existence and future of humanity are an integral part of our worldview.

OUR APPROACH

Our approach to our working has been inspired by our commitment to promoting Organic Agriculture in India. It has been one long and tedious journey of over a quarter of a century. When we started the concept of Organic farming, which is originally Indian was sadly forgotten. Our firm belief and relentless efforts have brought wonderful results.

Knowing well that the sky is the limit in nature's bounty and that agriculture is nothing but a tiny replica of that vast expanse, we hope to continue our work rooted in sound knowledge and research based approach. From one straw to the whole gamut of microbes and organisms; everything that is organic, simple and eco friendly are our tools of working.

OUR WORK CULTURE

Like any other professional set up elsewhere in the world, our work culture is the reflection of various norms and standard followed by our people. We work as a set of professional organisation but with a missionary and visionary zeal. We work with a progressive outlook without losing sight of our Indian traditions and farming reality. Our office building, our research lab and our employees are not cut off from the Indian Agriculture.

Company Profile



Indore Biotech Inputs and Research Pvt. Ltd. Indore.

Our Mission: Taking India's farming back to its original legacy- the organic way.

We at IBIRPL have been striving hard for past more than a quarter century to turn Indian agriculture to its original form where farmers could reap bounty from the mother earth. Based at India's central region, not by merely name but location too, in Indore, we can boast of a successful mission and we are proud of our success. By turning the synthesized chemical based, the so called modern farming into traditional farming where farmers could use low cost yet effective natural technology to reap healthy, wholesome, pollution free crops.

Our approach to achieve this goal was based on intensive research and innovation which helped us in bringing out some effective and safe products based on natural raw materials and processes. These include soil and plant based beneficial microbes which are otherwise present in nature in plenty but to make them available to farmers in usable form is a scientific and cumbersome process.

For this purpose, we set up a manufacturing unit in Indore, ably supported by a high profile research laboratory. Both these facilities, the manufacturing unit and the research laboratory have been updated from time to time to keep them most effective and relevant. The success of our efforts and potency of bio fertilizers and bio pesticides made by us is evident from the fact that farmers from all major agricultural states have been using them for years. Their trust and reliance on our products is the testimony for the efficacy and effectiveness to our bio fertilizers and bio pesticides.

Our total approach and achievements have been amply recognized by not only the farming community but by several government institutions. This has enabled us to collaborate with them and get technology transfer. Our R&D unit has been recognized by no less but by DSIR, which is the leading research wing of Government of India.

And last but not least, we take pride in associating with many social initiatives through promoting organic farming not only on farmers' fields but also on various social forms. We have our own in house farm of about six acres located adjacent to our production facility where we conduct programs to inculcate organic traits among household folks and interested people from local areas and abroad.

All this has enabled to use nature's gift like cow dung, cow urine, crop residues, rotten fruit and vegetables etc. in value added farm inputs. Taking from mother nature and giving back to her is what we are engaged in something like. "तेरा तुझको अर्पण"

Research Collaborations



Technology Transferred & Scaled up



OUR DIRECTOR'S MESSAGE



The land of forest brimming with diverse flora and fauna, our villages with lush farmland and crops within.

Our motherland blessed with bounty of hills, rivers and tributaries and rich fertile soil, boasts of 45,000 flowering and 30,000 non-flowering plant types. We also possess 7 thousand tree types, 26 breeds of cows, 7 buffalo breeds and 17 breeds of goats.

All this because the sun shine for more than 240 days over the year, with strong 11,000 candle power.

The diverse climate with hot summers, abundant monsoon and cool winters has turned our country into the pinnacle of farming nations.

Our learned saints and scholarly sage have devoted themselves in designing and promoting techniques and implements suited for local conditions of climate, soil and water types. And this become the ultimate strong foundation of our economy.

Four centuries of foreign rule and industrial farming has destroyed our tradition, unwanted agricultural chemicals and now GM (Genetically modified) crop varieties are wiping out our traditional farming practices.

Fortunately, few International and Indian scholars and learned farmers disowned the chemical farming by turning towards nature and proved that organic way of growing crops is the only recourse to establish India to her formal glory and prosperity. This method of farming will not only provide hygienic and holistic food but give water, energy and also raw materials to our industries.

This was our way of thinking which made us to change our vision and we turned to promoting organic farming.

It was more than 2 decade back that Indore Biotech entered into the domain of National Micro organism. We found it most congenial and laid the foundation of organic farming in the state.

We nurture and grow 25-30 types of useful friendly micro-organism. We multiply them in sufficient quantity and use them in promoting the profitable farming which was hitherto a losing proposition.

In the following lines you will read as to how these micro-organisms which have been developed as an alternative to chemical fertilisers and pesticides, make the soil fertile, help in producing water and electricity and provide raw materials to industries.

When we turn back and look at the efforts made by us we have the satisfaction of seeing that our roots have reached deep into the Rural India.

Arun Dike
Managing Director

So, Join us in saying with pride that
"I AM AN INDIAN FARMER"

Recognized as one of the Top Ten Organic Fertilizer Manufacturer by Industry Outlook Magazine in 2021.



Arun Dike,
MD

Indore Biotech

EMPOWERING THE AGRICULTURE INDUSTRY WITH ORGANIC FERTILIZERS

Although organic agriculture is an age-old practice in India, it was lesser implemented in India in last few decades. Farmers till yesterday, were more reliant on chemical fertilizers, but in recently awareness is growing to reduce the use of chemical fertilizers as they are facing hazards while using them. With an initiative to empower the farmers in this area, Indore Biotech manufactures bio-fertilizers, biopesticides, and agricultural inputs for them. The company is proud to produce the best quality of products that have been certified by different Government accreditations like NSIC, ECOCERT, BIS, ISO, and others. It caters its products to various Indian states such as Orissa, Madhya Pradesh, Chhattisgarh, Maharashtra, etc. along with a few private sectors in states like Punjab, Haryana, Rajasthan, and others. Having branches in about seven different states and channel partners in

four Indian states, Indore Biotech is determined to bring a change in the agriculture industry.

“Our ideology sets us apart. We have actively taken several social initiatives like promoting organic farming through our products as well as training farmers through charts, books and multimedia resources on their in-house farm of around eight acres which depicts the model of an ideal self-sustained Indian village” says Mr. Arun Dike, the MD of the company. His vision to promote the idea of a holistic approach for the self-sustained life of farmers has brought real change in the farming sector. Arun introduced vermiculture and mycorrhiza technologies for the first time in Madhya Pradesh in 1992 and 2004 respectively. His initial experiments with pheromone traps, a few inoculants such as phosphate solubilizing bacteria and rhizobia, helped him to purchase his first farm that received financial support from NABARD. Indore Biotech also under his guidance has been active in rural socio-economic development and women-empowerment by providing employment opportunities to rural women and promoting the cottage industry. “About 80% of our workforce comprises of women. Our initiatives have attracted visits from several international delegations from countries like Sri Lanka, Sweden, Turkey, Uganda,” Arun adds.

Indore Biotech strives to combine traditional agricultural methods with emerging technologies to confront the shortcomings of current organic fertilizers. Farmers nowadays face a problem with regular granule-based

fertilizers that keeps clogging of drips. The company thus has launched a new range of water-soluble products in the market to address this issue. All of these products pass through strict quality assurance tests. “Our focus is on making the products easy to use and effective. We take regular feedback from our consumers and address their concerns thereby updating the quality of our products accordingly,” Arun confirms. The company is also designing new products to improve the biodiversity of beneficial microbial flora and the fertility of the soil. It also has a state-of-the-art facility for mass production of plant beneficial microbes and formulations thereof. Equipped with industrial-scale fermenters, industrial centrifuge, spray dryer, and laboratories, the manufacturing unit is well skilled for quality control, maintenance, and proper storage of products.

Indore Biotech’s DSIR accredited R&D department focuses on introducing the latest and innovative products and technologies along with scaling them up to get benefited economically. The company is now aiming to export its products to several Eastern European, African, and Southeast Asian countries. Its approach to combine traditional knowledge with modern technologies has led to many new products such as encapsulated biofertilizers, Nanotechnology-based products, and others. While mentioning their plans, Arun says, “Our future vision also includes the development of regional manufacturing units in various parts of India to address regional requirements and improve logistics.” ■



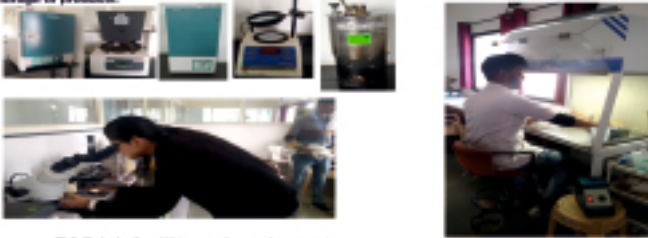


Research Activities



Infrastructure/Facility

The company has state of the art facility for mass production of plant beneficial microbes and formulations thereof. The manufacturing unit is equipped with two industrial scale fermentors of 1000 ltr capacity each, spray dryer, incubator and laboratory equipped for microbiology, quality control, and proper storage of products.



R&D lab facility and equipments



RESEARCH AND DEVELOPMENT ACTIVITIES

1. **ISOLATION OF MICROORGANISMS FROM SOIL AND PLANTS**
2. **IDENTIFICATION OF MICROORGANISMS**
3. **CHARACTERIZATION OF MICROORGANISMS**
4. **FORMULATION OF MICROBIAL PRODUCTS**



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1. ISOLATION

Isolation of microorganisms from soil and plants is done by using different media and incubation conditions.

The isolated microorganisms are then identified by using different biochemical tests.

The identified microorganisms are then characterized by using different molecular biology techniques.

The characterized microorganisms are then formulated into different products.



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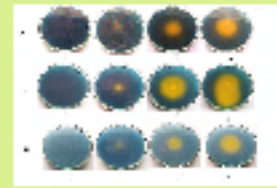
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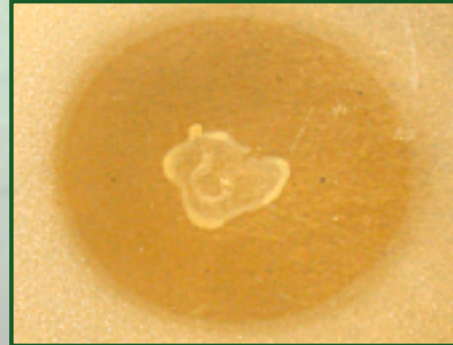
Soil Friendly Bacteria & Fungi



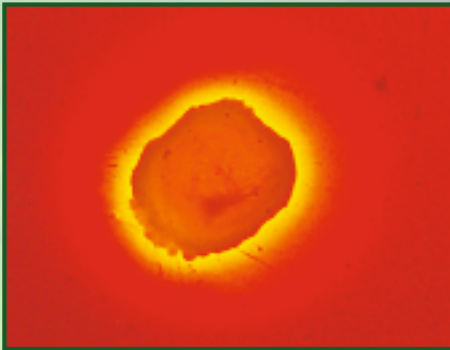
Zone formed by Potash Mobilizing Bacteria



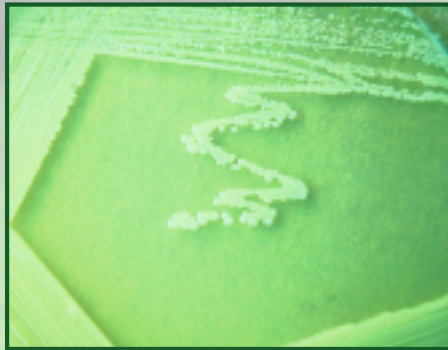
Zone formed by Phosphate Solubilizing Bacteria



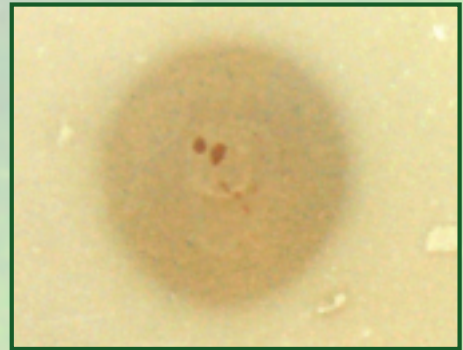
Zone formed by Potash Mobilizing Bacteria



Pseudomonas Fluorescens



Zone formed by Zinc Solubilizing Bacteria



Azotobacter Chroococcum



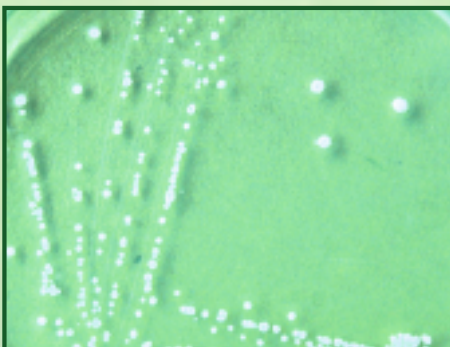
Trichoderma viride



Beauveria bassiana



Sulphur Oxidising Bacteria



Paecilomyces lilacinus



Beauveria bassiana

Metarrhizium anisopliae



BIOFUNGICIDE



BIOHIT™

Biohit is a formulation of spores of *Trichoderma viride*. It is an antagonistic fungi which protect the plant's root system against diseases caused by soil born plant pathogens and some parasitic nematodes. It is a very potent microbe which can control serious plant diseases like damping off, wilting, root rots, leaf spots, and blights causes by various plant pathogens like *Pythium*, *Fusarium oxysporum*, *Rhizoctonia solani*, *Alternaria*, *Sclerotium rolsfii*. It attacks disease-causing pathogen before they reach the root system. It grows fast and coils around the pathogen and penetrates through it and takes nutrients from the pathogen. The pathogen eventually dies and finally eliminated from the field. It also helps plants to absorb available phosphorous. It also controls plant parasitic nematodes like root knot nematode, banana nematodes and citrus nematodes.

Packing: Powder -100 gm, 250 gm, 500 gm, 1 kg.

Liquid - 250 ml, 500 ml, 1 lit.

Method of application :

- Soil Application - Mix 5 kg powder or 300 ml liquid Biohit in 100 kg FYM broadcast over 1 hectare and mix well with soil and irrigate the soil immediately.
- Seed Treatment - Make slurry of 5 gm of Biohit with water or 100 ml of liquid Biohit with 200 ml water and coat 1 kg seeds with slurry homogeneously and dry in shade before sowing.
- Seedling Dipping - Mix 70 -100 ml of formulation in 10 - 20 liters of water and dip the seedlings for 30 minutes in the solution before transplanting.
- Foliar Spray - 500 ml - 1 lit of formulation in 75 - 100 liters of water / acre or 50 - 75 ml / pump and spray preferably in early in the morning or in late evening hours.



Recommended crops:

Chilies, Banana, Tomato, Chick pea, Green gram, Groundnut, Cucumber, Potato, Soybean, Cotton, Wheat, Sunflower, Safflower, Sugarcane, Brinjal, Tobacco, Onion, Garlic, Cabbage, Ginger, Cauliflower, Carrot, Okra, Papaya, Paddy, Roses, etc.



BIOMONARCH™



BIOFUNGICIDE

Biomonarch is a formulation of potent bacteria *Pseudomonas fluorescence* which works as a bio-fungicide and a plant growth promoter. *Pseudomonas fluorescence* is a very potent microbe that not only cures serious plant diseases like damping off, scab, root & stem rot and blights but also controls some species of nematodes. It improves the yield by improving the plant health through controlling the disease causing pathogen and provides some plant growth promoting substances. *Pseudomonas fluorescence* control the diseases caused by fungal pathogens like *Macrophomina*, *Fusarium*, *Rhizoctonia*, *Sclerotium*, *Pythium* etc. It controls the pathogens by winning the competition for food in the substrate. It offers a long-lasting control against the pathogens by secreting secondary metabolites which exhibit antibiosis effect on the pathogen. It is a good plant growth promoting rhizobacteria.

Packing: Powder - 100 gm, 250 gm, 500 gm, 1 kg.

Liquid - 250 ml, 500 ml, 1 lit.

Method of application:

- Soil Application - Mix 1 - 2 kg powder or 1 lit liquid Biomonarch in 100 kg FYM broadcast over 1 acre and mix well with soil and irrigate the soil immediately.
- Foliar Spray - 1 kg of powder formulation in 150 - 200 liters of water / acre or 2 ml liquid Biomonarch in 1 lit water / acre and spray preferably early in the morning or in late evening hours.
- Seed Treatment - Mix 300 ml of formulation in 300 ml water and coat uniformly.
- Drip irrigation - Dilute 5 kg / 0.5 - 1 lit of Biomonarch in 100 liters of chemical free, good quality water. Filter the mixture with a neat cloth; use the filtered solution in drip irrigation for one acre.

Recommended crops:

Paddy, Chilies, Banana, Tomato, Chick pea, Green gram, Groundnut, Cucumber, Sunflower, Potato, Cotton, Soybean, Wheat, Safflower, Sugarcane, Brinjal, Tobacco, Onion, Garlic, Cabbage, Ginger, Cauliflower, Carrot, Okra, Papaya, Roses, etc.



BIOPESTICIDE



HELICOP™

Helicop is a front rank killer of harmful insect *Helicoverpa armigera*. Helicop is made up of a highly selective *Nuclear Polyhedrosis Virus* (NPV) of *Helicoverpa armigera* isolated from diseased or dead larvae of *Helicoverpa armigera*. This virus comes in a ready to use formulation and when sprayed on crops it infects the body of the harmful insect in small time. It is an indigenously developed ecofriendly biological insecticide. It is also harmless to natural beneficial parasites and predators.

Packing: 100 LE, 200 LE, 250 LE, 500 LE, 1000 LE.

Method of application:

Mix 250 LE / acre Helicop with 75 - 100 lit water and spray it.

Target Pest:

Controls Pod Borer (*Helicoverpa armigera*) on Pigeon pea and Chick pea.

Mix 250 LE / acre Helicop with 75 - 100 lit water and spray it.





BIOPESTICIDE

BIO-MAGIC™

Bio-Magic is a formulation of entomo-pathogenic fungus *Metarrhizium anisopliae*, that infects insects that come in contact with it.

Once the fungal spores attaches to the surface of the insect, germinate and begins to grow, they then penetrate the exoskeleton of the insect and grow very rapidly inside the insect, causing the insect to die. Other insects that come in contact with infected insects also become infected with the fungus. The fungus proliferates throughout the insect's body and draining the insect of nutrients, eventually killing it. Bio-Magic is safe to beneficial parasites and beneficial predators and thus offers long-lasting pest control. Packing: Powder - 500 gm, 1 kg. Liquid - 500 ml, 1 lit.

Method of application :

- a. Soil Application - Mix 1 - 2 kg Bio-Magic powder or 1 lit liquid Bio-Magic in 50 - 100 kg FYM broadcast over 1 acre and mix well with soil and irrigate the soil immediately.
- b. Foliar Spray - 10 gm of powder formulation or 500 ml liquid formulation in 1 liters of water and spray preferably in early in the morning or in late evening hours.

Target Pests :

White grub, Termite, Fruit flies, Hopper, Wire worms, Vegetable worms, Aphids, Jassids, etc.



BIOPESTICIDE



BIO-WONDER™

Bio-Wonder is a formulation of 1.15% W.P. of *Beauveria bassiana* which is a naturally occurring entomopathogenic fungus. The action of *B. bassiana* on insects begins from the penetration of spores in a body cavity through dermal coat (cuticle). Having penetrated in a body the spores germinate in hyphae, then a mycelium overgrows from which conidia split off. Having proved in the body the conidia begin to circulate in hemolymph. On this stage, the mycelium gradually fills up the whole body of the insect. Fungus growth continues until all the tissues are destroyed. The fungus can form conidiophores, which rupture the cuticle and the envelope of a dead larva. The affected insect is covered with white, wadded coating (conidiophores). The first signs of pesticidal action are observed in 5–7 days after treatment. The fungus possesses fast growth, and high specificity. It is able to remain for a long time in nature without the decline of entomopathogenic activity. It effectively controls leaf folder in crops and thereby increases the crop yield.

Packing: 100 gm, 250 gm, 500 gm, 1 kg.

Method of application:

- Foliar Spray - 2.5 kg of formulation in 750 liters of water / hectare or 20 ml liquid formulation in 1 lit of water / hectare and spray preferably early in the morning or in late evening hours.
- Soil Application - Mix 1 - 2 kg Bio-Wonder powder in 50 - 100 kg well decomposed FYM broadcast over 1 acre and mix well with soil to control the white grub in soil and irrigate the soil immediately.

Target insect:

Hairy insects, Aphids, White flies, Mealy bugs, Grasshoppers, Thrips, Stem borer, Termites, Beetles, Caterpillars, etc.





BIOPESTICIDE



VERCITILE™

Vercitile is a product of entomopathogenic fungus *Verticillium lecanii*. It controls aphids, whiteflies, thrips, mealy bugs and scale insects. The entomopathogenic fungus infects phytophages by means of penetration into insect epidermis. The spores of *V. lecanii* germinate on insects and fungus hyphae. Further the inside development of the fungus kills the insect. The fungus possesses the high speed of growth, huge reproductive ability and high specificity. The first symptoms of fungus infection can be displayed on the whitefly in 7–10 days. After two weeks the effect of influence is expressed exactly. *Verticillium* infects the insect on contact and does not need to be consumed by the host to cause infection.

Packing: Powder - 250 gm, 500 gm, 1 kg. Liquid - 1 lit.

Method of application:

Foliar Spray - 3.125 kg of formulation in 600 liters of water / hectare or 20 ml liquid formulation in 1 lit of water / hectare and spray preferably early in the morning or in late evening hours.

Target Pests:

Aphids, Whiteflies, Thrips, Mealy bugs, Scale insects, Leaf hopper, Mango hopper, etc.



BIOPESTICIDE



TRIDEV

Tridev is a formulation of potent bacteria *Bacillus subtilis* which plays an important role in every stage of crop growth. *Bacillus subtilis* successfully manage disease and pest on crops. It also secrete some plant growth promoting hormones which are useful for growth & protection of plant.

Packing : Liquid-1 lit

Method of Application :

a. Soil Application : Mix 1lit liquid formulation of Tridev in 50 kg of well decomposed farm yard manure .Blend the mixture well and broad cast it over one acre of land and mix well with soil in order to protect the plants against diseases and irrigate the soil immediately.

b. Foliar Spray : Dilute 1lit of Tridev in 100-150 lits of water & apply to 1 acre of land through foliar spray ,preferably early in the morning or in late evening hours .

Target pest/Insects:

Phytophthora spp., *Aspergillus* spp., *Pythium* spp., *Rhizoctonia solani*, *Fusarium* spp., *Sclerotium* , etc. Gram pod borer, Tobacco caterpillar etc.





INDO-NEEM™

Indo-Neem is a botanical pesticide. It is a neem seed kernel based EC formulation containing Azadirachtin in it. It's been a traditional insect repellent. It is a neem oil based antifeedant. After its spray insects stop eating crops and starve to death. Indo-Neem Biopesticide is effective against a wide range of insects and diseases on all crops. We are one of the very few companies in India having IS-14300 for Neem based EC formulation.

Available formulations: 300 PPM, 1500 PPM and 10000 PPM.

Packing: 100 ml, 250 ml, 500 ml, 1 lit, 5 lit.

Method of application:

- Indo-Neem 300 PPM - Mix 2.5 lit of formulation in 500 lit water and spray over 1 hectare.
- Indo-Neem 1500 PPM - Mix 1.5 - 2.5 lit of formulation in 500 lit water and spray over 1 hectare.
- Indo-Neem 10000 PPM - Mix 1.15 lit of formulation in 500 lit water and spray over 1 hectare.

Target pests:

White fly, Bollworm, Stem borer, Thrips, Brown plant hopper, Leaf folder, etc.



BIOPESTICIDE



CEZAR™

Cezar is a biological insecticide containing active ingredient *Bacillus thuringiensis var. kurstaki*. This bacteria produces a crystal protein called delta- endotoxin which has an insecticidal property. *Bacillus thuringiensis* is highly specific in its action and because of their specificity; these pesticides are regarded as environmentally friendly. When insects ingest toxin crystals, the alkaline pH of their digestive tract denatures the insoluble crystals, which liberate the cry toxin from the crystal. The Cry toxin is then inserted into the insect gut cell membrane, paralyzing the digestive tract and forming a pore. The insect stops eating and starves to death.
Packing: 100 gm, 250 gm, 500 gm, 1 kg.

Method of application:

Mix 250 - 500 gm / acre with 75 - 100 lit water and sprays it.

Target Pests:

Castor semilooper (*Achaea janata*) of Castor and Soybean crop and Gram Pod borer (*Helicoverpa armigera*). Beyond above two caterpillars on field study Cezar found very effective to control *Spodoptera litura*, Bihari hairy caterpillar, Sphinx moth and other caterpillars.





BIO NEMATOCIDE



BIOACE™

BioAce is a powder based formulation of advanced strain of *Paecilomyces lilacinus* which starts attacking crop damaging nematodes in their second instar stage. It has the ability to colonize the eggs of wide range of harmful nematodes. The spore of this fungus acts by infecting, parasitizing and killing eggs, juveniles and young adults of most phytophagous nematode species. When the spores of *Paecilomyces lilacinus* comes in contact with different stages of the nematodes, they germinate and grow and proliferate throughout the nematode eventually paralyzing the nematode leading to the death of the nematode. BioAce Nematicide can control a wide range of nematodes like root knot, cyst nematode, reniform nematodes and stunt nematodes.

Packing : Powder - 250 gm, 500 gm, 1 kg. Liquid – 1 lit.

Method of application :

a. Soil Treatment - 50 gm per square meter or 2 lit of BioAce in 50 - 100 kg FYM and broadcast in one acre field or 30 ml BioAce per square meter.



- b. Seed Treatment - Make slurry of 10 gm powder formulation with sufficient water or 3 - 5 ml liquid formulation. Mix the 1 kg seeds well in slurry and shade dries it for half an hour before sowing.
- c. Nursery Treatment - 50 gm per square meter.
- d. Drip application - 2 lit of formulation in drip tank containing water for one acre.

Recommended crops :

Capsicum, Tomato, Brinjal, Onion, Chilli, Okra, Tuberose, Banana, Papaya, etc. Also used for Ornamental, Forest and Horticulture crops.

PLANT GROWTH PROMOTOR



INDOZIB™

Indozib is a water soluble powder formulation as well as liquid formulation of Gibberalic acid. It improves crop quality through better retention of flowers, enhancing the size, color & flavor. Indozib Plant Growth Promoter initiates this through its growth regulation activity enhancing cell division, cell elongation and accumulation of cell metabolites. It acts synergistically with plant metabolism and accelerates the growth functions of plant.

Packing: Powder - 50 gm.

Liquid - 100 ml, 250 ml, 500 ml, 1 lit, 5 lit.

Method of application:

Spray - 53.25 - 71 gm in 375 - 500 lit water for 1 hectare or 1 ml / lit liquid Indozib for 1 acre.

Recommended crops:

Paddy, Cotton, Sugarcane, Banana, Cabbage, Cauliflower, Grapes, Brinjal, Lady finger, Groundnut, etc.





PLANT GROWTH PROMOTOR



TONEUP™

Toneup, Plant Growth Promoter is a mixture of long chain of aliphatic alcohol ethoxylates and has stimulating properties. It helps in photosynthesis of plants and also increase plant growth. Toneup leads to healthier stem, leaves and more fruiting. It helps in overall growth and development of plants.

Packing: 100ml, 250 ml, 500 ml, 1 lit, 5 lit.

Dose and application:

500 ml per hectare in 500 lit water.

Method of application:

Cotton, Rice, Soybean, Maize, Groundnut, Chilies, Onion, Tomato, Pulses, Brinjal, Carrot, Wheat, Potato, Pea, Tobacco, Lady finger, Cauliflower, Tea, Coffee, Leafy vegetables, Sugarcane, Grapes, Citrus, Mango, Ornamental, Indoor plants and Agro forestry / nurseries.





HUMIHIT™

Humihit is a Plant Growth Promoter. It has 12% rich organic (carbon) complex aromatic macro molecule with amino acids, sugars, peptides, aliphatic compounds involved in leakages between aromatic rings. The typical humate molecule contains free and bound phenolic and carboxylic acid groups, quinine structures and nitrogen and oxygen as bridge units between aromatic structures. Humates are colloidal in nature. In certain respects, they behave like clay minerals. It increases nutrient uptake in plants. Humihit stimulates beneficial soil microbes. It increases drought tolerance and act as a buffer against high fertilizer salts and pH charges. It initiates vigorous root development and improves yield.

Packing: 100 ml, 250 ml, 500 ml, 1 lit, 5 lit.

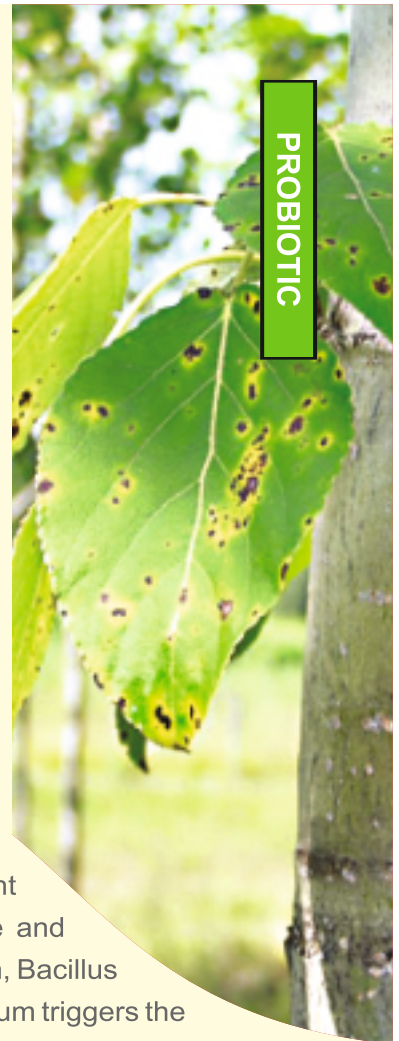
Method of application:

- Seed treatment - 5 - 10 ml per kg seeds.
- Drip Irrigation - 1 lit Humihit with 10 liters for 1 acre.
- Soil Treatment - 1 lit Humihit with 100 kg well decomposed farm yard manure and apply for 1 acre.

Recommended crops:

All crops.





PROBIOTIC



INDOVITA

Indovita is a highly potent probiotic that helps in improving nutrient acquisition and also in biocontrol activities while promoting soil health, plant growth and enhanced plant tolerance. Indovita is also a broad-spectrum preventive biofungicide and bactericide. It utilizes the power of a naturally occurring beneficial bacterium, *Bacillus* spp. to control and suppress fungal and bacterial diseases in plants. This bacterium triggers the plant's immune response to fight off pathogens. It will also colonize plant roots, which prevents fungi and bacteria from establishing there.

Packing: Powder-1 kg

Method of Application:

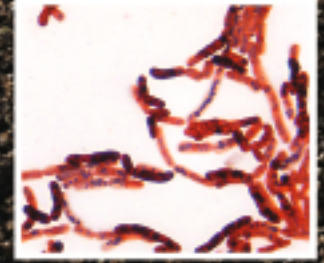
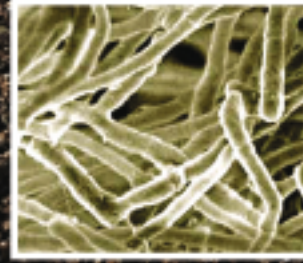
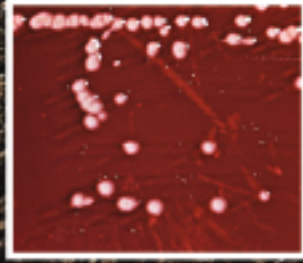
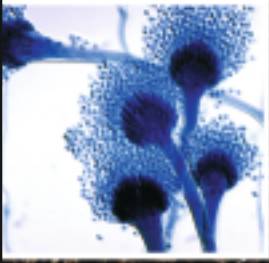
a. Soil Application: Use 1 kg of powder and mix with 50kg of well decomposed farm yard manure .Blend the mixture well and broad cast it over one acre of land and mix well with soil in order to protect the plants against diseases and irrigate the soil immediately.

b. Foliar Spray,Drip or Drenching: Dissolve 1kg Indovita in 100-150 lit of water and apply to 1 acre of land through Foliar Spray, drip irrigation or drenching, preferably early in the morning or in late evening hours .

Provides Resistance Against :

Anthrachnose , Bacterial leaf blights, spots and specks , Black Mold, Brown Spot, Black Crown Rot ,Black Spot of roses , Gray Mold, Botrytis blight, Fruit Rot ,Leaf spots and Powdery Mildews,Downy Mildew Early Blight, Late Blight ,Fire Blight , Disease suppression only in Pin Rot and Scab





TEJAS™
(Bioinoculant Kit)

Tejas, Bioinoculant kit is a combination of unique fast decomposing microbes, *Aspergillus fumigatus*, *Trichoderma reesie*, *Pseudomonas alcaligenes*, *Bacillus megaterium*. These microbes convert hardy biomass into fertile humus. It helps to accelerate the organic matter decomposition with increased humification. The quality and cost-effective nature of the decomposing microbes makes them widely demanded among farmers. With the help of Tejas, biomass of every type like grass clippings, cowshed waste, straw from fields, weeds, leftover food and feed gets converted into manure in 45 - 60 days. Tejas is a boon to farmers in the form of organic manure. Packing: 1 kg, 5 kg.

Dose and application: 2 - 3 kg Tejas / ton garbage.





BIOFERTILIZER / ORGANIC MANURE



INDOPLUS™

IndoPlus, a Mycorrhizal biofertilizer is an environmental friendly product, reduces / stops the need of chemical fertilizers and enhances the yield. The product is strongly recommended to maintain soil fertility, to improve soil texture and is also very effective in water strained condition. The product is a consortium of three different highly adaptable species of *Glomus* fungus:

- A. SPECIES - 1 - Adaptable to harsh water strained condition.
- B. SPECIES - 2 - Adaptable to water lodging conditions.(useful for paddy etc.)
- C. SPECIES - 3 - Adaptable to general and acidic / basic soil conditions.

It is beneficial for almost all plant species in the world and is very beneficial for Nurseries, Tea gardens, Rubber plantations, Sugarcane, Afforestation, Lawns, Gardens, Plantations, Mining belt, Fruits and Vegetable growing etc.

Mycorrhiza helps plants to capture macronutrients and micronutrients from the soil, It absorb water and mineral from soil and transmit it to the roots of tree. Trees provide food to fungus. This biofertilizer helps in faster germination. It plays important role in absorption of phosphorus and enhances nitrogen fixation. It makes hormones available to plants. It also has advantages like maintenance of water balance and biological control of root diseases and nematodes.



Packing: Granular formulation in 1 kg, 2 kg, 3 kg, 4 kg, 8 kg & 50 kg.

Method of application:

- a. Seed treatment - Use 6 - 8 kg IndoPlus / acre seeds.
- b. Soil application - Use 6 - 8 kg IndoPlus / acre seeds with 100 kg FYM.

Recommended crops:

All crops

BIOFERTILIZER / ORGANIC MANURE



INDOPLUS™ ULTRA

Indoplus ultra contains higher concentration of mycorrhizal viable spores, it is an exclusive combination of mycorrhiza with sufficient quantity of growing substrate like humic acid and amino acids in water soluble powder form for better plant growth and roots development. It helps in root growth and stress tolerance. It also increases uptake amount of nutrient and water. Mycorrhiza helps plants to capture macronutrients and micronutrients from the soil. It absorbs water and mineral from the soil and transmit it to the roots of tree.

Packing: Granular -2kg

Powder-100 gm

Method of Application:

Stock: Dissolve 100 g indoplus Ultra in 20 lit. water with continues stirring, Stock solution to be further mix with 1 acre spray volume in equal proportion that can be use for following mode of application:-

- Seed Treatment:** Make slurry of 100 gm Indoplus Ultra in minimum amount of water, and coat seeds required for 1 acre with slurry homogeneously and dry in shade for 30 mins before sowing.
- Soil Application:** Mix 2kg Granular or 100 gm powder based formulation in 50 kg of well decomposed farm yard manure. Blend the mixture well and broad cast it over one acre of land before last ploughing or first irrigation.
- Seeding dip :** Use 100 gm powder based formulation in 50-100 lit water after 7 to 10 days after sowing or transplanting.

Recommended Crops:

For all types of crops like Vegetables, Cereals, paddy, pulses, horticulture and flowering plants.





BIOFERTILIZER / ORGANIC MANURE



NATRADHAN™

Natradhan is a powder and liquid based formulation of *Azospirillum lipoferum* which is associated with roots of monocots, including important crops, such as wheat, corn and rice. *Azospirillum* fixes the atmospheric nitrogen and makes it available to plants in associative symbiotic manner. It is found in the soil around plant roots and root surface. It also produces growth-promoting substances like indole acetic acid, gibberellins, pantothenic acid, thiamine and niacin. It also promotes root proliferation and improves the plant growth yield.

Packing: Powder - 250 gm, 500 gm, 1 kg.

Liquid - 250 ml, 500 ml, 1 lit.

Method of application:

- Seed treatment - Make slurry of 250 gm of powder Natradhan or 80 - 100 ml liquid Natradhan with 400 - 500 ml water and coat seeds required for 1 acre with slurry homogeneously & dry in shade before sowing.
- Soil Application - Mix 2.5 - 4 kg powder Natradhan or 500 ml - 1 lit liquid Natradhan in 100 kg of well decomposed farm yard manure. Blend the mixture well and broad cast it over one acre of land before last ploughing or first irrigation.
- Seedling Application - Take 500 gm of powder Natradhan in 10 lit water or 80 - 100 ml of liquid Natradhan in 25 lit water and mix properly, then dip the roots (titled material) in this solution for 30 min before sowing in the field.



Recommended crops:

Sugarcane, Rice, Wheat, Barley, Oat, Maize, Jowar, Pearl millet, Kodo, Kutki, Ragi, etc.



NATRANU™

Natranu, the *Azotobacter* biofertilizer is nitrogen fixing bio inoculant suitable for almost all crops. This product has free living nitrogen fixing aerobic bacteria *Azotobacter chroococcum*. *Azotobacter* lives in association with plant roots and fixes atmospheric nitrogen in readily available form to plants. It binds atmospheric nitrogen, which is inaccessible to plants and release it in the form of ammonium ions into the soil. These ammonium ions can be easily taken up by plants. The bacterium produces abundant slime which helps in soil aggregation. It can be used as a seed dresser and top dresser in standing crops, supplying nitrogen the natural way.

Packing: Powder - 1 kg, 3.5 kg, 5 kg.

Liquid - 250 ml, 500 ml, 1 lit.

Method of application:

- Seed treatment - Make slurry of 250 gm Natranu powder or 100 ml liquid Natranu with 500 ml water and coat seeds required for 1 acre with slurry homogeneously and dry in shade for 30 min. before sowing.
- Soil Application - Mix 2.5 - 4 kg Natranu powder or 500 ml - 1 lit liquid formulation in 100 kg of well decomposed farm yard manure. Blend the mixture well and broad cast it over one acre of land before last ploughing or first irrigation.
- Seedling Application - Take 500 gm of powder Natranu or 200 ml liquid Natranu in 10 lit water and mix properly, then dip the roots (titled material) in this solution for 30 min before sowing in the field.
- Drip irrigation - Dilute 5 kgs / 0.5 - 1 lit of Natranu in 100 liters of chemical free, good quality water. Filter the mixture with a neat cloth; use the filtered solution in drip irrigation for one acre.

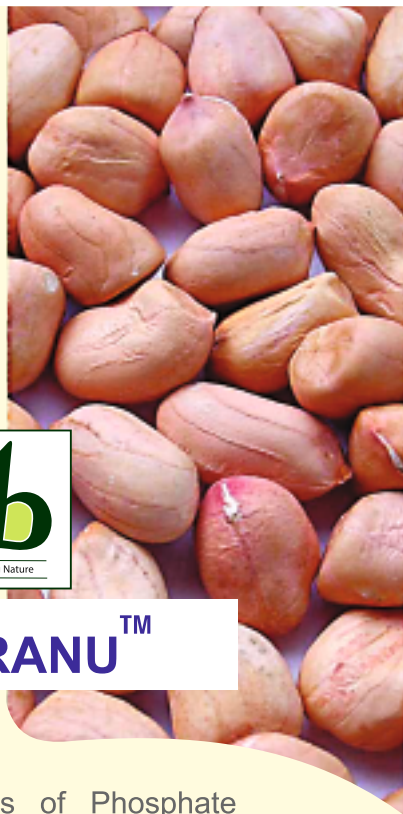
Recommended crops:

Non-leguminous crops like Wheat, Jowar, Maize, Mustard, Paddy, Sesamum (til), Sunflower, Kusum (kardi), Banana, Sugarcane, Tobacco, Grapes, Orange, Mango, Onion, Garlic, Potato, Tomato, Chilies, Cabbage, Cauliflower and all other crops etc.





SPHURANU™



BIOFERTILIZER / ORGANIC MANURE

Sphuranu consists of Phosphate Solubilizing Bacteria either of *Bacillus megaterium*, *Pseudomonas putida var. striata* or *Bacillus polymyxa* which solubilize the complex insoluble form of phosphorus into simple soluble forms. Phosphorus is one of the major essential macronutrient required for the plant growth. Phosphorus has a defined role in plant metabolism such as cell division, development, photosynthesis, breakdown of sugar, nuclear transport within the plant & regulation of metabolic pathways.

Phosphate solubilizing bacteria produce enzymes, hormones and organic acids which gives additional vigor to the root system boosting plant growth and productivity.

Packing: Powder - 1 kg, 3.5 kg, 5 kg. Liquid - 250 ml, 500 ml, 1 lit.

Method of application:

- a. Seed treatment - Make slurry of 250 gm Sphuranu powder or 100 ml liquid Sphuranu with 500ml water and coat seeds required for 1 acre with slurry homogeneously and dry in shade for 30 min. before sowing.
- b. Soil Application - Mix 2.5 - 4 kg Sphuranu powder or 500 ml - 1 lit liquid formulation in 100 kg of well decomposed farm yard manure. Blend the mixture well and broad cast it over one acre of land before last ploughing or first irrigation.
- c. Seedling Application - Take 500 gm of powder Sphuranu or 200 ml liquid Sphuranu in 10 lit water and mix properly, then dip the roots (titled material) in this solution for 30 min before sowing in the field.
- d. Drip irrigation - Dilute 5 kgs / 0.5 - 1 lit of Sphuranu in 100 liters of chemical free, good quality water. Filter the mixture with a neat cloth; use the filtered solution in drip irrigation for one acre.



Recommended crops:

Wheat, Jowar, Maize, Paddy, Cotton, Arhar, Soybean, Gram and other pulses, Groundnut, Potato, Tomato, Chilies and other vegetables, Grapes, Mango, Orange, Banana, Papaya, Sugarcane and all other crops etc.

BIOFERTILIZER / ORGANIC MANURE



PHOSFOMINE™

Phosfomine contains effective naturally occurring phosphate solubilising fungal culture, which secrete certain organic acids and enzymes that solubilize the complex insoluble form of phosphorus into simple soluble form, that is readily available to the plants. Phosfomine, improves the fertility of soil and reduces the use of chemical fertilizers by secreting certain growth promoting substances into the soil. It helps to enhance the plant resistance against certain diseases.

Packing:

Powder-1kg

Liquid: 1Lit,500ml

Mode of Application:

a. Soil Application: Dissolve 1kg/1 Lit Phosfomine in 50 kg FYM, and broadcast over 1 acre of land.

b. Foliar Spray, Drip or Drenching: Dissolve 1kg/1 Lit Phosfomine in 100-150 Lit of water and apply to 1 acre of land through drip irrigation or drenching, preferably early in the morning or in late evening hours .

Recommended crops:

Wheat, Jowar, Maize, Paddy, Cotton, Arhar, Soybean, Gram and other pulses, Groundnut, Potato, Tomato, Chillies and other vegetables, Grapes, Mango, Orange, Banana, Papaya, Sugarcane and all other crops etc.





BIOFERTILIZER / ORGANIC MANURE

NUNDI™

Nundi Provides Important Nutrients Nitrogen , Phosphorus and Potash to Plants. It is a combination of Nitrogen fixing free living bacteria, Phosphate solubilizing bacteria and Potassium mobilizing bacteria. These bacteria help in enhancing the nutrient availability to the plant and promoting its growth and yield.

Packing: Granular-4kg

Liquid: 1lit,500ml,250 ml

Method of Appliation:

- a. Seed Treatment: Make slurry of 250 gm Nundi or 100ml Nundi with 500ml water and coat seeds required for 1 acre with slurry homogeneously and dry in shade for 30 mins before sowing.
- b. Soil Application: Mix 4 kg Nundi or 1lit liquid formulation in 50 kg of well decomposed farm yard manure .Blend the mixture well and broad cast it over one acre of land before last ploughing or first irrigation.
- c. Foliar Spray, Drip or Drenching: Dilute 4kg or 1 lit of Nundi in 100-150 lits of water apply to 1 acre of land through drip or drenching , preferably early in the morning or in late evening hours .

Recommended Crops:

For all types of crops like Vegetables, Cereals, paddy, pulses, horticulture and flowering plants.



BIOFERTILIZER / ORGANIC MANURE



INDOSULF™

Indosulf is a formulation of Sulphur Oxidizing Bacteria *Thiobacillus spp.* This bacterial cell converts the unavailable Iron, sulphur and sulphur related compounds to easily assimilable form of sulphur salts through a process of oxidation. Sulphur oxidation results in the formation of sulphate, which can be used by plants. It is environment friendly and self-perpetuating, which facilitates proliferation of soil micro-flora. It helps to improve the plant immune system.

Packing: Powder - 2 kg. Liquid - 250 ml, 500 ml, 1 lit.

Method of application:

- a. Soil Application - Mix 2.5 - 4 kg powder Indosulf or 500 ml - 1lit liquid Indosulf in 100 kg of well decomposed farm yard manure. Blend the mixture well and broad cast it over one acre of land before last ploughing or first irrigation.
- b. Drip irrigation - Dilute 5 kgs / 0.5 - 1 lit of Indosulf in 100 liters of chemical free, good quality water. Filter the mixture with a neat cloth; use the filtered solution in drip irrigation for one acre.

Recommended crops:

Pulses including Soybean, Pea, Gram, Arhar, Moong, Vegetables, Fruits, Flowers and other crops.





BIOFERTILIZER / ORGANIC MANURE



INDIK™

Indik is a granular / powder / liquid based formulation of Potash Mobilizing Bacteria. It is responsible for the movement of potash elements in the soil and plants. Potassium plays a vital role in the formation of amino acids and proteins. It increases the resistance of crops to hot and dry conditions and insect pest and diseases. It stimulates fruiting and flowering in plants and encourages plumpness and succulence of fruits and grains.

Packing: Powder - 2 kg. Liquid - 250 ml, 500 ml, 1 lit.

Method of application:

- a. Seed treatment - Make slurry of 250 gm of granular Indik or 50 - 100 ml liquid Indik with 500 ml water and coat seeds required for 1 acre with slurry homogeneously and dry in shade before sowing.
- b. Soil Application - Mix 2.5 - 4 kg granular Indik or 100 ml - 1 lit in 100 kg of well decomposed farm yard manure. Blend the mixture well and broad cast it over one acre of land before last ploughing or first irrigation.



- c. Seedling Application - Take 500 gm of granular Indik or 100 - 200 ml liquid Indik in 10 lit water and mix properly, then dip the roots (titled material) in this solution for 30 min before sowing in the field.
- d. Drip irrigation - Dilute 5 kgs / 0.5 - 1 lit of Indik in 100 liters of chemical free, good quality water. Filter the mixture with a neat cloth; use the filtered solution in drip irrigation for one acre.
- e. Foliar spray - 50 ml - 60 ml / pump
- f. For fruits, nursery or other plants - 2 - 3 ml per plant.

Recommended crops:

Banana, Cane, Cotton, Cereals, Pulses, Oil seeds, Fruits, Vegetables, Cash and all crops.



INDOZINK™

Indozink contains Zinc Solubilizing Bacteria. Zinc is most essential micronutrient because it is a component of various enzyme systems for energy production and growth regulations. Its deficiency causes accountable yield losses. Our product IndoZink Biofertilizer is a complete solution of zinc deficient soil. This product contains such microbes which solubilize the zinc in the soil and make it available to the plants these microbe also secretes some novel zinc molecules which are easily able to enter in the plant system and work.

Packing: Powder - 2 kg. Liquid - 250 ml, 500 ml, 1 lit.

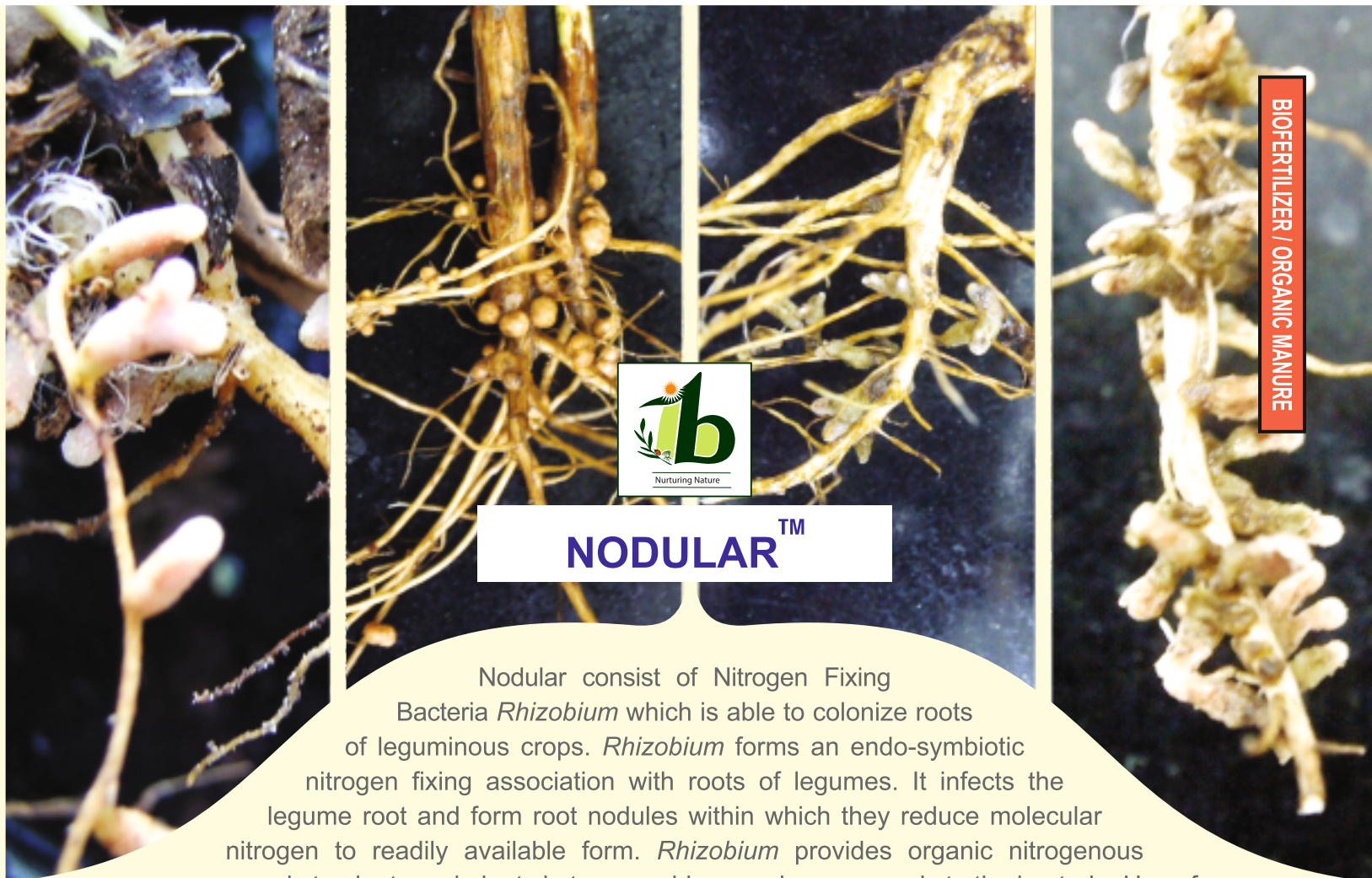
Method of application:

- Seed treatment - Make slurry of 250 gm of granular IndoZink or 100 ml liquid IndoZink with 500 ml water and coat seeds required for 1 acre with slurry homogeneously and dry in shade before sowing.
- Soil Application - Mix 2 - 4 kg granular IndoZink or 500 ml - 1 lit liquid IndoZink in 100 kg of well decomposed farm yard manure. Blend the mixture well and broad cast it over one acre of land before last ploughing or first irrigation.
- Seedling Application - Take 500 gm of granular IndoZink or 200 ml liquid IndoZink in 10 lit water and mix properly, then dip the roots (titled material) in this solution for 30 min before sowing in the field.
- Drip irrigation - Dilute 5 kg / 0.5 - 1 lit of IndoZink in 100 liters of chemical free, good quality water. Filter the mixture with a neat cloth; use the filtered solution in drip irrigation for one acre.
- Foliar spray - 50 ml - 60 ml / pump.
- For fruits, nursery or other plants - 2 - 3 ml per plant.

Recommended crops:

Banana, Cane, Cotton, Cereals, Pulses, Oil seeds, Fruits, Vegetables and all crops.





NODULAR™

Nodular consist of Nitrogen Fixing Bacteria *Rhizobium* which is able to colonize roots of leguminous crops. *Rhizobium* forms an endo-symbiotic nitrogen fixing association with roots of legumes. It infects the legume root and form root nodules within which they reduce molecular nitrogen to readily available form. *Rhizobium* provides organic nitrogenous compounds to plants and plants in turn provide organic compounds to the bacteria. Use of Nodular biofertilizer brings substantial saving in the cost of nitrogenous fertilizers. They have seven genera and are highly specific to form nodule in legumes, referred as cross inoculation group. So always read or ask about crop before purchasing this product.

Packing: Powder - 250 gm, 500 gm, 1 kg.

Liquid - 50 ml, 100 ml, 250 ml, 500 ml, 1 lit.

Method of application:

- Seed treatment - Make slurry of 250 gm of powder Nodular or 100 ml liquid nodular with 400 - 500 ml water and coat seeds required for 1 acre with slurry homogeneously and dry in shade before sowing.
- Soil Application - Mix 2.5 - 4 kg powder Nodular or 500 ml - 1 lit liquid Nodular in 100 kg of well decomposed farm yard manure. Blend the mixture well and broad cast it over one acre of land before last ploughing or first irrigation.
- Seedling Application - Take 500 gm of powder Nodular or 200 ml liquid Nodular in 10 lit water and mix properly and then dip the roots (titled material) in this solution for 30 min before sowing in the field.



Recommended crops:

As mentioned on the packets.



BIOFERTILIZER / ORGANIC MANURE



VERMIKHAD™

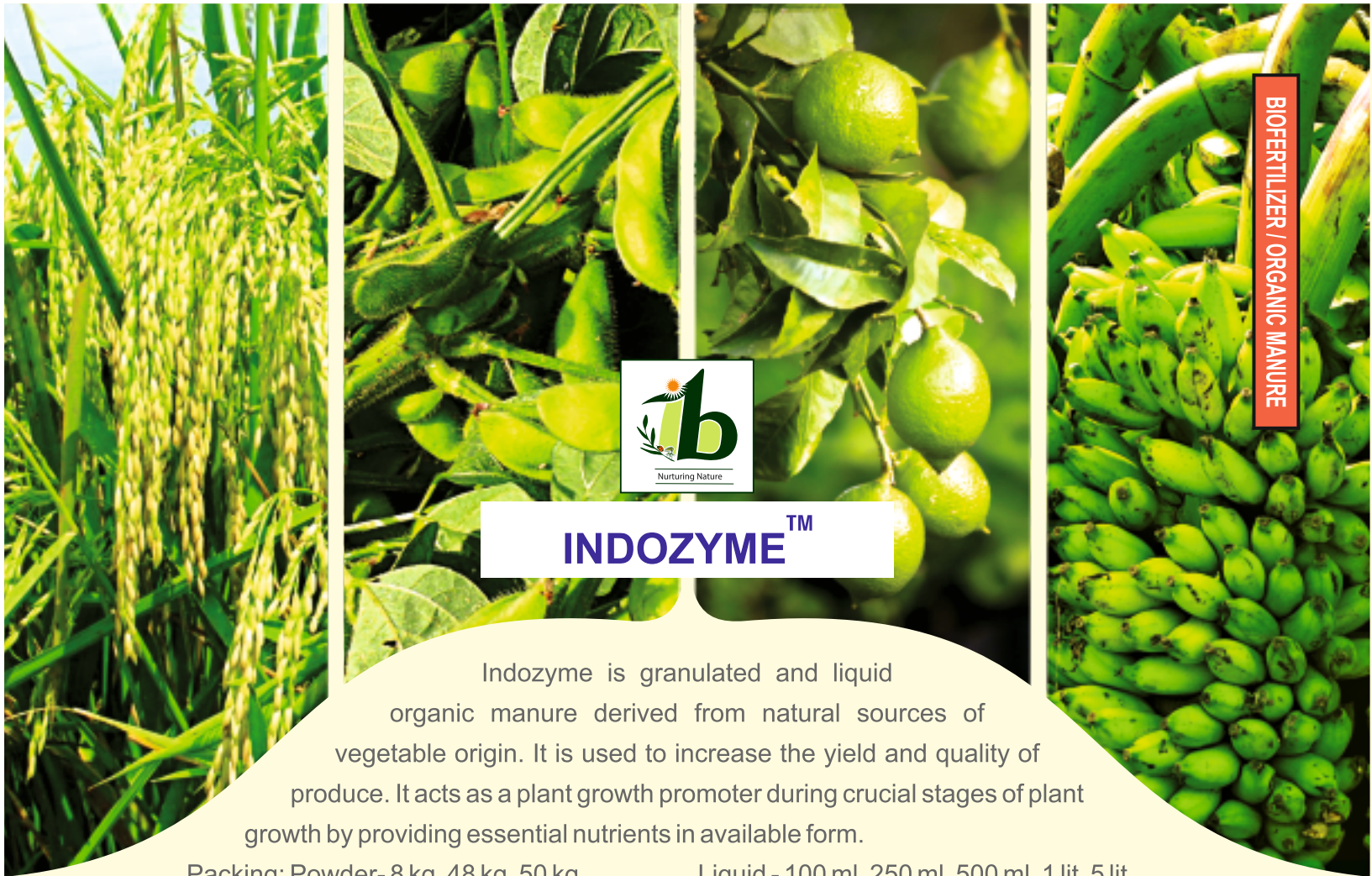
Vermikhad is a result of composting using earthworms to create a heterogenous mixture of decomposing vegetable or food waste, bedding materials, straw from field, grass clippings and other biomass. It is an excellent organic manure and soil conditioner having lots of water soluble nutrients. It enriches soil with micro-organisms adding enzymes such as phosphatases and cellulases. It also improves water holding capacity of soil.

Packing: 2 kg, 25 kg, 50 kg.

Method of application:

Soil Application - Field soil use 200 - 1000 kg / acre, for nursery 200 - 500 gm / plant.





INDOZYME™

Indozyme is granulated and liquid organic manure derived from natural sources of vegetable origin. It is used to increase the yield and quality of produce. It acts as a plant growth promoter during crucial stages of plant growth by providing essential nutrients in available form.

Packing: Powder- 8 kg, 48 kg, 50 kg. Liquid - 100 ml, 250 ml, 500 ml, 1 lit, 5 lit.

Method of application:

180 ml / acre or 450 ml / hectare.

Recommended crops:

Paddy, Wheat, Sugarcane, Soybean, Potato, Banana, Tea, Vegetables, Fruit crops and Citrus fruits, etc.



BIOFERTILIZER / ORGANIC MANURE



PROMINE™

Phosphate is an important nutrient for plants. The range of available phosphorus in Indian soil is low to medium, which is not sufficient for crop yield. Promine (PROM) is an organic phosphate Rich organic fertilizer. Promine is, produced by co-composting of high grade (32% P_2O_5) rock phosphate in very fine size with organic manure such as Compost, Vermicompost, Cow dung, Soy meal, domestic kitchen waste etc.. The use of PROMINE will reduce the cost of fertilization to the farmers and give better result in comparison to chemical fertilizers. The agronomic efficacy of this product is higher than that of the complex chemical fertilizers. PROMINE is suitable for all types of soils.

Packing:
Granular-25 kg, 50 kg

Method of Application:

Soil Application: 50kg/Acre

Recommended Crops:

For all types of crops like Vegetables, Cereals, paddy, pulses, horticulture and flowering plants.





BIOCONTROL AGENT

BIOSTICKY DELTA TRAP, BLUE STICKY TRAP & YELLOW STICKY TRAP™

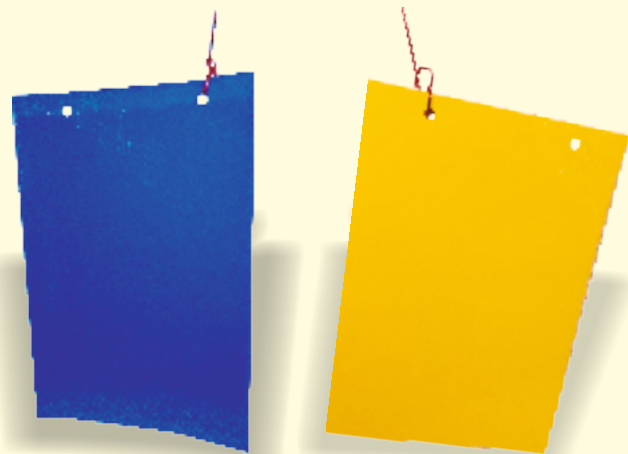
Sticky traps are a non toxic way to control and monitor Aphids, Cucumber beetles, Fruit flies, Fungus gnats, Leaf hoppers, Frog hoppers, Moths, White flies, Flea beetles, Leaf miners etc. These are an integral part of any integrated pest management program. They can be used in greenhouses, homes, orchards, flower and vegetable gardens, and where insects are a problem.

The glue does not dry out and the traps will last until the surface area is completely covered with insects.

Recommended dose:

1 - 4 Traps are recommended for 1 acre.

BLUE & YELLOW
STICKY TRAP





PHEROMONE TRAPS AND LURES™

The Pheromone Traps & Lures are mechanical devices that catch the grown up stages of nocturnal insects which spread the population of crop-damaging larvae and caterpillars. The lure is installed inside the Biotraps. Pheromone Traps & Lures catch and collect male moths of destructive pests. Pheromone Traps & Lures are boon to farmers for monitoring insect activity and population; and thus can be termed as the best and timely plant protection method.

Packing: 4 lures per pouch.

Method of application:

1 - 4 Traps are recommended for 1 acre.

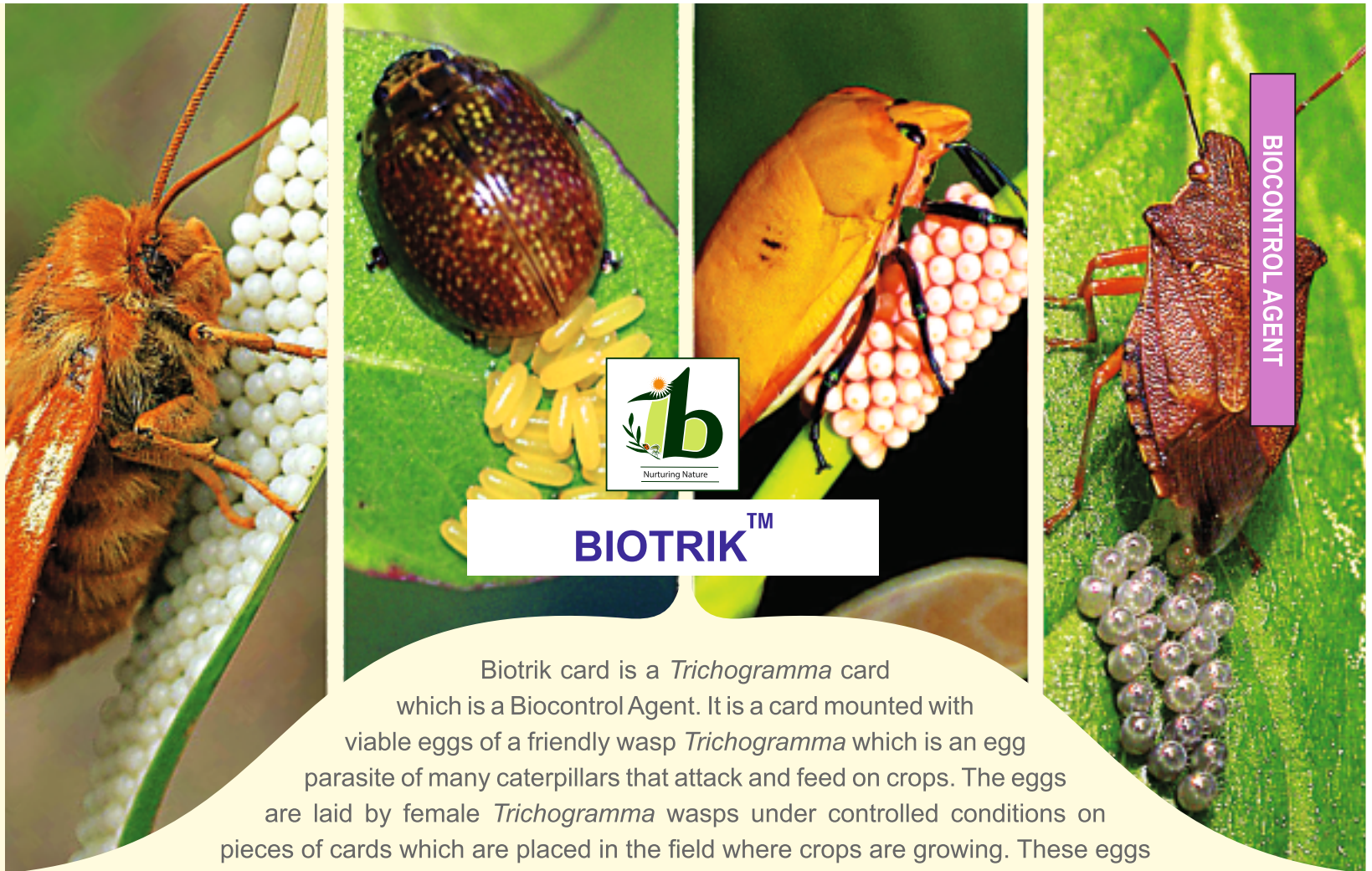
Target Pests:

Helicoverpa, Spodoptera, Pink bollworm, Diamond back moth, Fruit fly, Stem borer and Brinjal borers.

Lures with Pheromones of different insects :

1. Brinjal hit™ - Brinjal fruit and shoot borer (*Leucinodes orbonalis*)
2. Bioback™ - Diamond back moth (*Plutella xylostella*)
3. Biohel™ - Gram pod borer (*Helicoverpa armigera*)
4. Biopink™ - Pink boll worm (*Pectinophora gossypiella*)
5. Biostem™ - Rice yellow stem borer (*Scirpophaga incertulas*)
6. Biospot™ - Spotted bollworm (*Earias vitella*)
7. Biospod™ - Tobacco caterpillar (*Spodoptera litura*)
8. Bioque™ - (For Vegetables)
9. Bioque™ - (For Fruits)
10. Bioque™ - (For Melons)





Biotrik card is a *Trichogramma* card which is a Biocontrol Agent. It is a card mounted with viable eggs of a friendly wasp *Trichogramma* which is an egg parasite of many caterpillars that attack and feed on crops. The eggs are laid by female *Trichogramma* wasps under controlled conditions on pieces of cards which are placed in the field where crops are growing. These eggs hatch in time and emerging wasps kill the caterpillars.

Packing: 1 cc eggs / card.

Method of application:

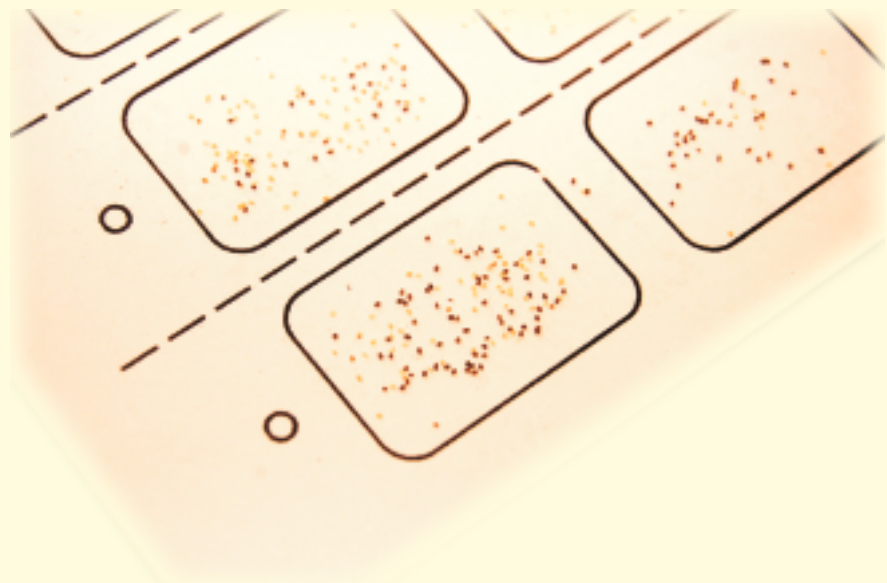
Every card has 15000 - 18000 infected eggs on it. Cut card into 16 small squares then staple a small square on lower side of leaf. Two plants must have 10 meter distance between them.

Target Pests:

Caterpillars.

Recommended crops:

Sugarcane, Rice, Cotton, Vegetables, Maize.



BIOCONTROL AGENT



BIOCROSS™

Biocross, a Biocontrol Agent is made up of a friendly insect *Chrysoperla carnea*. It is predacious friendly insect that feeds on soft bodied insect pests which attack the field crops. The larvae of *Chrysoperla* are voracious feeders and eat away their prey many times than their own number. Packing: 1000 eggs per bottle approx.

Method of application:

Remove the muslin cloth, refit the lid and shake the bottle on plant to scatter the eggs on field.

Target Pests:

Caterpillars, Aphids, Jassids, Girdle beetle.

Recommended crops:

Cotton, Soybean, Sugarcane, Vegetables and all other crops.





BIOCONTROL AGENT



VERMI CULTURE™

Vermiculture means worm farming or management of worms. It is the utilization of some species of earthworms such as *Eisenia fetida* (commonly known as red wiggler) to make vermicompost, which is a nutrient-rich, natural fertilizer and soil conditioner. It can be used to convert animal waste, food scraps, and other dead organic matter into a nutrient rich fertilizer. Vermiculture uses worms to break down organic matter into compost. Earthworms aerate, till and fertilize the soil, breaking down organic waste into plant-available forms, improving the soil structure and nutrient and water-holding qualities of soil. They specialize in removing dead organic material from the surface of the land, greatly enriching it in the process and then carry the improved residue deep underground, right down amongst the roots of plants where it is most needed. Worm casts are also high in nutrients and increase the amount and accessibility of nutrients to the soil, the water holding content of the soil, and the amount of beneficial microorganisms in the soil.





Water Soluble Biofertilizers™



Phosfomine contains effective naturally occurring phosphate solubilising fungal culture.

Some salient features that are unique about these products of Indore Biotech:

- Completely water soluble
- Contains higher concentration of bacteria than the regular products.
- Research-based, tested for efficacy in designated farms in various climatic and soil conditions.

We make use of premium carriers that leave no residue and hence cause zero pollution and are different from conventional carriers while making the formulations easy to use for the consumers.

- Easy to transport,
- High shelf life and resistant to harsh climatic conditions.
- Our microbial spores are spray-dried in order to ensure the purity and high quality of the product.
- The company can provide customized consortia and formulations as per the requirement of the customers.



Azomine contains higher concentration of free living nitrogen fixing bacteria, *Azotobacter* spp



Nundi Plus contains a consortium of nitrogen fixing bacteria, PSB (Phosphate Solubilizing Bacteria) and KMB (Potassium Mobilizing Bacteria).



Indik Plus contains higher concentration of Potash Mobilizing Bacteria (KMB).



Biohit Ultra contains higher concentration of Trichoderma Spp.



Indozink Plus contains higher concentration of Zinc Solubilizing Bacteria



Biomonarch Ultra contains higher concentration of *Pseudomonas fluorescence*.

Packing: Powder-1kg

Method of Application:

- Soil Application: Dissolve 1kg of Product in 50 kg FYM, and broadcast over 1 acre of land. Drip or
- Foliar Spray, Drip, Drenching: Dissolve 1 kg of Products in 100-150lit of water, slowly with constant and continuous stirring to make homogenous solution and apply to 1 acre of land by foliar Spray/ Drip Irrigation/Drenching preferably early in the morning or in late evening hours.

Recommended Crops:

For all types of crops like Vegetables, Cereals, paddy, pulses, horticulture and flowering plants.

Biofertilizers in Capsules



NitroGel
Contains free living nitrogen fixing bacteria, *Azospirillum spp* , which fixes atmospheric nitrogen in readily available form to plants .



Zincap
Contains Zinc Solubilizing Bacteria, which solubilize the zinc in the soil and make it available to the plants



Indicap
Contains Potash Mobilizing Bacteria .It helps in movement of potash elements in the soil and makes it available for plants.



Nandigel
contains consortium of beneficial bacteria, nitrogen fixing bacteria PSB (Phosphate Solubilizing Bacteria) and KMB (Potassium Mobilizing Bacteria).



Noducap
Contains Nitrogen fixing *Rhizobium spp* bacteria, which fixes atmospheric nitrogen in readily available form to plants.



Capsfur contains phosphate solubilising bacteria (PSB)



Indogel
Contains Nitrogen fixing *Acetobacter* bacteria, which fixes atmospheric nitrogen in readily available form to plants.

Packing: Capsule:10 gm (6 capsule in each) box

Method of Application:

Stock: Dissolve 6 capsules of in 5 lit. of water with continues stirring, Stock solution to be further mixed with 1 acre spray volume in equal proportion that can be used for following mode of application:-

- Seed Treatment: From stock solution take 500ml, and coat seeds required for 1 acre homogeneously and dry in shade for 30 mins before sowing.
- Soil Application: Use rest of the solution with 50-100kg decomposed farm yard manure .Blend the mixture well and broad cast it over one acre of land before last ploughing or first irrigation.
- Foliar Spary, Drip or Drenching: Dissolve the capsules in 100-150 lit of water and spray it to 1 acre of land through pump, preferably early in the morning or in late evening hours .

Recommended Crops:

For all types of crops like Vegetables, Cereals, paddy, pulses, horticulture and flowering plants.

Product Scaled up from Technology Transferred from IARI, New Delhi



Indophos

Indophos is a special formulation of Phosphate solubilizing Bacteria (PSB) "*Lactococcus lactis*" PHM-35, developed at IARI, Pusa New Delhi. It solubilizes the complex insoluble form of phosphorous into simple soluble forms. Phosphate solubilizing bacteria secrete organic acids that convert unavailable phosphate into available phosphate to satisfy the requirements of plants through dissolution and absorption. Its regular use can save upto 35% of chemical fertilizer DAP and improve yield productivity by 15-20%.

Packing: Liquid-1 Lit, 500ml, 250ml

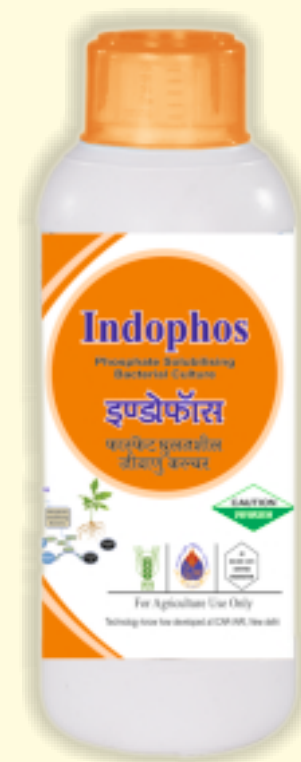
Method of Application:

(a) Seed Treatment : Mix 100ml Indophos in 1 Lit of water and soak the seeds required for 1 acre in it and dry in shade for 30 mins before sowing.

(b) Soil Treatment : Mix 100 ml Indophos in 50-100 kg of well decomposed farm yard manure. Blend the mixture well and broadcast it over one acre of land before last ploughing or first irrigation

Recommended crops:

Wheat, Jowar, Maize, Paddy, Cotton, Arhar, Soybean, Gram and other pulses, Groundnut, Potato, Tomato, Chillies and other vegetables, Grapes, Mango, Orange, Banana, Papaya, Sugarcane and all other crops etc.



Tejas Ultra

Tejas Ultra is a consortium of seven hypercellulolytic, lignolytic, pectinolytic, amylolytic and phosphorus solubilizing fungal cultures. The consortium accelerates effectively the decomposition of paddy straw to convert it into nutrient rich compost. It decomposes waste generated by dry grass, leaves, wheat bran, rice husk, other crops residues, kitchen and garden waste etc & converts it into nutrient-enriched compost. The technology for this product was developed by ICAR-IARI, New Delhi.

Packing: Capsule-10 gm (4 Capsules per packet)

Method of Application:

(a) For in situ decomposition: take 10 litre tejas ultra decomposer solution as prepared above and mix it in 200 litres of water and spray it in 1 acre field using knapsack sprayer or any machine. Turn the straw in field with rotator and irrigate the field.

(b) For ex-situ decomposition : in pits, heaps and windrows use 5 litre of Tejas ultra decomposer solution as prepared above for one ton of residue.

(c) For household waste: 1 litre of above solution is enough for 60 lit bucket full of waste

Dose and application: 4 capsule /ton garbage



VISITORS FROM VARIOUS COUNTRIES TO LEARN ORGANIC FARMING AT COMPANY'S RESEARCH FARM



CORPORATE OFFICE AT INDORE



Corporate Office



Abhiram Dike - Director



Conference Room



Jeevan Dike - Executive Director



R&D and Production Team



Library

“Organic Farming is where
ecology meets economy.”

“Support organic farming and
protect the environment.”

“Keep your friends close,
your famers closer.”





INDORE BIOTECH INPUTS & RESEARCH (P) LTD.

AN ISO 9001:2015 CERTIFIED ORGANISATION

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