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**ROYAL**

REDISCOVERING ORGANICS

**RUKCHO BIOTECH**

PRODUCT CATALOGUE



[rukchobiotech@gmail.com](mailto:rukchobiotech@gmail.com)



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Rukcho Biotech offers a wide range of products and services to support farmers in adopting sustainable and organic farming practices, and to provide consumers with high-quality, organic products.

We offer a range of organic inputs, including Bio Fertilizer Consortia, Bio Fungicide Consortia, Bio Insecticides Consortia & All-in-One Consortia, that are designed to help farmers optimize crop yields while minimizing environmental impact.

Our products are made from natural and organic ingredients and are certified to meet the strictest organic standards.



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# All in One Consortia

## Our Premium Product



## ALMIGHTY



**Azotobacter** : Fixes Atmospheric Nitrogen

**Bacillus mageterium**: Phosphorus Solublizing Bacteria (PSB)

**Frateuria aurantia**- Potash Mobilising Bacteria (KMB)

**Trichoderma harzianum** : Assures control over wilt diseases.

**Bacillus subtilis** : Prevents spore formation of Powdery/ Downy Mildew diseases.

**Pseudomonas fluorescens**: Prevents spore formation of major plant pathogenic fungus especially Rice Blast & Rice sheath Blight.

**Metarhizium anisopliae, Beauveria bassiana, Verticillium lecanii** .Biological Control of Fruit flies, White flies, Thrips, Aphids , Mites, Other Sucking Pest , Beetels, Grubs, Root Weevils

## TECHNICALS

**Concentration:**  $1 \times 10^7$  CFU/ Gram (min)

**Dosage:** 250-500 grams per acre for Foliar Application or Soil Drenching or thro Drip Irrigation, 100 grams for Nursery Application or Root Dipping, 10-15 grams per kg of Seeds for Seed Treatment, 5-10 grams per Pot in Terrace Gardening or Kitchen Garden according to age of the crop

**Recommended Crops** : Suitable for all crops

**Compatability** : Compatiable with all Organics Viz Farm yard Manure (FYM) , Vermi Compost , all Oil Cakes & All Bio-Microbial products

Note : Avoid usage of any Pesticides ( Especially Fungicide & Bactericide ) 7-10 days prior or after Application of Bio-Pesticide



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# NPK BIO-FERTILIZER CONSORTIA

( Biological source of Nitrogen , Phosphorus, Potassium, Zinc, Sulphur, Iron & Silicone )

100 % water soluble Dextrose carrier based

## FERTILITY



**Azotobacter**- Fixes Atmospheric Nitrogen. Best option , more than a century, to be used as bio-fertiliser for Eco-friendly & Sustainable crop production.

**Bacillus mageterium**- Phosphorus Solublizing Bacteria(PSB) , Concrete strength builder. Increases Soil micro-ecological environment. Growth promoter, Prevents diseases & gives resistance to high temperature

**Frateria aurantia**-Potash Mobilising Bacteria (KMB). Improves soil fertility & Promotes growth , thereby enhances yield potential.

**Gluconacetobacter diazotrophicus** - Zinc Solublizing Bacteria( ZSB ), Plant growth promoter. Ameliorates the effects of drought stress. Reclaims better soil health

**Acidithiobacillus** - Sulphur Oxidising Bacteria (SOB) , Iron Solublising Bacteria (FeSB) Used for H2S Biofiltration, Biomining. Helps plant in nutrients absorption & makes the soil condition favorable for plant growth

**Bacillus amyloliquefaciens** - Silicone Solublising Bacteriai (SiSB), Gives Resistance to Biotic & Abiotic stress. Activates Soil Nutrients. Regulates plant & Root Growth

## TECHNICALS

**Concentration:**  $1 \times 10^7$  CFU/ Gram (min)

**Dosage:** 250-500 grams per acre for Foliar Application or Soil Drenching or thro Drip Irrigation, 100 grams for Nursery Application or Root Dipping, 10-15 grams per kg of Seeds for Seed Treatment, 5-10 grams per Pot in Terrace Gardening or Kitchen Garden according to age of the crop

**Recommended Crops :** Suitable for all crops

**Compatability :** Compatiable with all Organics Viz Farm yard Manure (FYM) , Vermi Compost , all Oil Cakes & All Bio-Microbial products

Note : Avoid usage of Pesticides ( Especially Bactericide ) 7-10 days prior or after Application of Bio-Fertiliser

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# BIO-FUNGICIDE

Biological Control of all Mildew , Wilt , Root rot , Fruit rot , Root Knot, Anthracnose , Blight ,  
Leaf spot & Scab Diseases

100 % water soluble Dextrose carrier based

## FIDELITY



**Trichoderma harzianum** When applied in early stages , assures control over wilt diseases. Used for foliar application , seed & soil treatment for supression of fungal pathogen causing various fungal diseases viz Rhizoctonia blight, Pythium root rot / damping off , Verticillium wilt, Fusarium wilt, Cephalosporium Sp., Melodogyne Sp Root Knot Nematode. Also gives Bio-Pesticide, Bio-Stimulant effect in plants.

**Bacillus subtilis** Prevents spore formation of Powdery/ Downy Mildew diseases. Also effective against plant pathogenic microbes viz Botrytis Bunch Rot/ Gray Mould, Sclerotinia Stem rot/ Early Blight, Aspergillus Fruit rot, Double rot , Seedling rot, Root Rot, Erwinia Soft rot/Necrosis/ Late Blight, Colletotrichum Anthracnose . Increases formation of Auxins (IAA , IBA ) , Antioxidants , Root nodulation.

**Pseudomonas fluorescens** Prevents spore formation of plant pathogenic fungus which causes Wilt , Root Rot, Soft Rot , Leaf Spot , All Blights. Very effective against Rice Blast & Rice sheath Blight. It produces antibiotics , nutrient competition , parasitic cell wall degradation, enzymes & induced plant resistant mechanism. Helps in uptake of nutrition . Due to strong oxidising power acts as plant growth regulator

## TECHNICALS

**Concentration:**  $1 \times 10^7$  CFU/ Gram (min)

**Dosage:** 250-500 grams per acre for Foliar Application or Soil Drenching or thro Drip Irrigation, 100 grams for Nursery Application or Root Dipping, 10-15 grams per kg of Seeds for Seed Treatment, 5-10 grams per Pot in Terrace Gardening or Kitchen Garden according to age of the crop

**Recommended Crops :** Suitable for all crops

**Compatability :** Compatiable with all Organics Viz Farm yard Manure (FYM) , Vermi Compost , all Oil Cakes & All Bio-Microbial products

Note : Avoid usage of any Pesticides ( Especially Fungicide & Bactericide ) 7-10 days prior or after Application of Bio-Fungicide



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# BIO-PESTICIDE

Biological Control of Fruit flies, White flies, Thrips, Aphids, Mites, Other Sucking Pest,  
Beetels, Grubs, Root Weevils  
100 % water soluble Dextrose carrier based

## INFINITY



**Metarhizium anisopliae** Entomopathogenic fungus that causes a white muscadine disease on a range of sap sucking insects like Jassids, White flies, Aphids, Thrips, Mealy bugs, Mites. Also effective on Caterpillars, Weevils, Borers, Fungus gants and May Beetle. Hence increases Crop productivity.

**Beauveria bassiana** Entomopathogenic fungus that causes a white muscadine disease on a range of sap sucking insects like Jassids, White flies, Aphids, Thrips, Mealy bugs, Mites. Also effective on caterpillars, Weevils, Borers, Fungus gants and May Beetle. Hence increases Crop productivity.

**Verticillium lecanii** Helps in controlling soft bodies sucking pest like Leaf Hoppers, Scale insects, White flies, Aphids, Thrips, Mealy bugs, scarlet mites, Green Mosquito bug, leaf miner, Black fly, Pod flies. It attaches to the cuticle, produce hyphae from germinating spores which penetrate outer protective layer of insect, thereby infecting it, destroying it & thereby Death (Resemble like cotton like particle).

**Verticillium chlamydosporium** (Pochonia spp) Nematophagous fungus, is a facultative parasite that attacks eggs / Juveniles / female adult of several nematodes by producing a chymoelastase-like protease which hydrolyses host nematode proteins in situ. Effective against Nematodes Meloidogyne spp, Reniform nematode Rotylenchulus spp, Citrus nematode, Radopholus spp.

**Nimuriya riley** Host specific Insect pathogenic fungus that is naturally occurring in soil. Suitable for low temperature environments. Effective for control of most of the Sucking Pest.

## TECHNICALS

**Concentration:**  $1 \times 10^7$  CFU/ Gram (min)

**Dosage:** 250-500 grams per acre for Foliar Application or Soil Drenching or thro Drip Irrigation, 100 grams for Nursery Application or Root Dipping, 10-15 grams per kg of Seeds for Seed Treatment, 5-10 grams per Pot in Terrace Gardening or Kitchen Garden according to age of the crop

**Recommended Crops:** Suitable for all crops

**Compatibility:** Compatible with all Organics Viz Farm yard Manure (FYM), Vermi Compost, all Oil Cakes & All Bio-Microbial products

Note: Avoid usage of any Pesticides ( Especially Fungicide & Bactericide ) 7-10 days prior or after Application of Bio-Pesticide



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# AVAIL THE 20% OFFER NOW ON ALL OUR PRODUCTS

## ALMIGHTY

OUR PREMIUM PRODUCT

All in one Consortia

**MPR : 2000 | OFFER PRICE : 1600**



## FERTILITY

NPK Biofertilizer Consortia

( Biological source of Nitrogen ,  
Phosphorus, Potassium, Zinc, Sulphur,  
Iorn & Silicone )

100 % water soluble Dextrose carrier  
based

**MPR : 1100 | OFFER PRICE : 880**



## FIDELITY

Biofungicide

Biological Control of all Mildew , Wilt ,  
Root rot , Fruit rot , Root Knot,  
Anthracnose , Blight , Leaf spot & Scab  
Diseases. 100 % water soluble Dextrose  
carrier based

**MPR : 1200 | OFFER PRICE : 960**





# AVAIL THE 20% OFFER NOW ON ALL OUR PRODUCTS

## INFINITY

Biopesticide

Biological Control of Fruit flies, White flies, Thrips, Aphids , Mites, Other Sucking Pest , Beetels, Grubs, Root Weevils  
100 % water soluble Dextrose carrier based

**MPR : 1200 | OFFER PRICE : 960**



## COMBO



**MPR : 5500 | OFFER PRICE : 4100**



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