

ISO 9001 : 2015 Certified Companies



## KHANDELWAL GROUP OF COMPANIES



*Manufacturer & Bulk Suppliers of :*  
**Biofertilizer, Biopesticide,  
Micronutrients and  
Dry Fruit Processing Aids**



***One stop organic solution for your crop...***



### **About us :**

The journey of **Khandelwal Group** had begun 25 years back as a leading supplier of agrochemicals. Gradually we have established ourself as one of the leading manufacture of chemical, herbal, organic and microbial products, mainly plant based pest controlling agent, organic fertilizers, micronutrients, plant growth promoting substances, plant growth regulators, biofertilizers and biopesticides. We are also manufacturing novel products for which 'Know-How' has been acquired from government institutes. We are operating the manufacturing of these products through two different units namely '**Khandelwal HerboChem Industries** and **Khandelwal Biofertilizer**. Apart from this '**Shree organics**' an entirely new production facility for Entomopathogenic Nematode (EPN) based product 'GrubNash' has been developed in the recent years. These units are well equipped with necessary infrastructure, quality control department and R&D laboratory.

### **Objective :**

We know the significance of sustainability in agriculture for the betterment of society and environment, for which necessary solutions and inputs in the form of eco-friendly, nontoxic and Non hazardous products for crop management and protection are utmost important. In view of this we are consistently exploring more and more such inputs and making them available at reasonable price to farmers.

### **Strengths :**

- Dedication to achieve the goals and enormous experience.
- Understand the mindset of each component of entire field.
- State of the art manufacturing facilities and infrastructure.
- Collaboration with scientific institutes and organization.
- Patented and validated product range.
- Research & Development facility .
- Expert and qualified manpower
- Widespread network of marketing team.

### **Mission :**

To serve farmers with our quality range of products, so that they achieve improvement in seed health, soil health and plant health, hence to become a one stop organic solution for your crop.

# SPECIALISED MICROBIAL PRODUCTS



## BIORAJ FUSICONT (Patented wilt Controller Biofungicide)

**Bioraj Fusicont** is an effective outcome of the R&D work performed by ICAR institutes. This Biofungicide comprised of novel *Trichoderma* strain, which found extremely effective for controlling wilt disease of Banana and cumin crop, caused by deadly pathogenic fungi, *Fusarium*. However, studies have also Revealed that the *Trichoderma* strain present in **Bioraj Fusicont** is equally effective against other wilt causing *Fusarium* sp. infecting various crops like chickpea, pigeon pea, vegetables etc.

**Dose:** For one acre crop, make a solution of 2 kg **Bioraj-Fugicont** and 500 gm to 1 kg jaggery in 100 liter of water and keep it for 24 hours, after filtering, drench it near root zone of crop.

**Packing :** 1 Kg.

## GRUB NASH (An EPN Technology)

**Grub Nash** is an effective solution for management of white grubs found in various crops. This product is based on the technology developed by ICAR.

**Grub Nash** contains infective juveniles of Entomopathogenic nematode (EPN) *Heterorhabditis indica* which kills the grubs within 48-96 hrs through its unique mechanism of action.

**Dose :** Mix 3-5 kg. in 100-150 kg. of sand, soil, manure, vermicompost or cocopit and apply near root zone of crop or can be applied by drenching by mixing 100 gm **Grub Nash** in 15 ltr. of water through nozzle removed pump.

**Packing :** 1 kg & 5 kg.



## SPECIALISED MICROBIAL PRODUCTS



### BIORAJ SEED SPECIAL

**BioRaj** seed special is a unique formulation for seed treatment of various crops. **BioRaj** seed special offers effective, uniform & easy mode of seed priming. **BioRaj** seed special contains consortia of crop beneficial microorganisms including Nitrogen fixer, P solubilizer & K mobilizer along with antagonistic microbes. These micro organism colonize root zone of developing plants right from initial stage of development & provide long lasting effect of nutrient uptake, enhancing N availability and protect the crop from various pathogens and diseases.

**Dose :** 5-7 ml per kg of seed, Keep for 10-15 minutes before sowing

**Packing :** 50 ml, 100 ml, 250 ml, 500 ml & 1 ltr.

### CSR-BIORAJ (Microbial Consortia Technology by ICAR.)

**BioRaj** is novel microbial consortia based product developed and patented by Indian Council of Agricultural Research (ICAR). This innovative and novel microbial product is potential bio-growth enhancer and crop protectant comprised of dynamic microbial consortia developed in dynamic culture media. This increases the productivity of crops grown in sodic soils as well as in normal soil. Microbial strains in **BioRaj** has been selected from very specific and selected locations having stress conditions due to which it has got capability to work in extreme stressed environmental conditions.

#### Dosage :

**Soil application :** 1-2 ltr of **BioRaj** per acre of crop through drip or flood irrigation or drenching.

**Foliar application :** 5-10 ml/ltr.

**Seed treatment :** 10 ml/ltr. of water

**Packing :** 1 ltr & 5 ltr.



**CSR-BioRaj** based on patented product, developed by ICAR. It contains a consortia of microbes (Potential Biogrowth enhancer) for sodic and normal soil, which enhance growth, productivity, nutrient mobilization and support the establishment of plantlets, and induce disease resistance.



### K-SSB (Silicon Solubilizing Bacteria)

**K-SSB** is a microbial product comprising of selected inherent strain of Bacillus sp. Isolated from silica rich natural habitat and found to be effective silica solubilizer. Application of **K-SSB** is effective for improving silicon uptake by plants thereby strengthen it to tolerate biotic and abiotic stresses and improves its resistance to pest and disease attack. **CFU :**  $2 \times 10^8$  per ml

#### Dosage :

**Soil Application :** Mix 1-2 ltr of **K-SSB** in 100-150 kg of compost manure and apply near root zone. **K-SSB** can be applied through drip, flood irrigation and drenching also.

**Foliar application :** 3-5 ml per ltr of water.

**Packing :** 1 ltr.

# Bio Fertilizer



## **K-RHIZO POWER** (Powder & Liquid)

Rhizobium bacteria induce nodulation in the roots of dicotyledon such as soybean, green gram, red gram, chickpea etc. and reside in the form of bacteroid. They obtain their nutrients and source of energy from the plant and in turn fix atmospheric nitrogen with the help of enzyme called nitrogenase and make it available to the plant.

**CFU : Powder :**  $1 \times 10^8$  per gm, **Liquid :**  $2 \times 10^8$  per ml

**Dosage : Soil Application :** Mix 2-3 kg or 1-2 Ltr. of **K-Rhizo Power** in 100-150 kg of compost manure and apply near root zone.

**Drenching or drip irrigation :** 1-2 Ltr. per acre.

**Packing :** 1 kg & 1 Ltr.

## **K-POTASH POWER (KMB)** (Powder & Liquid)

Potassium (K) is the third major micronutrient essential for plant growth and majority of potassium in the soil exists in insoluble rock and silicate form. **K-Potash Power** comprised of highly efficient and potential bacteria, which dissolve potassium from insoluble K bearing minerals and convert it into plant available form.

**CFU : Powder :**  $1 \times 10^8$  per gm, **Liquid :**  $2 \times 10^8$  per ml

**Dosage : Soil Application :** Mix 2-3 kg or 1-2 Ltr of **K-Potash Power** in 100-150 kg of compost manure and apply near root zone.

**Drenching or drip irrigation :** 1-2 Ltr per acre.

**Foliar Application :** 5-6 ml per acre.

**Packing :** 1 kg & 1 Ltr.



## **K-PHOSPHO POWER (PSB)** (Powder & Liquid)

Phosphorous (P) is an essential macronutrient for plant and applied to the soil in phosphoric fertilizer form and is immobilized in complex mineral forms. The phosphate solubilizing bacteria of **K-Phospho Power** secretes several organic acids and bioactive compounds which act on complex minerals and liberate phosphorus (P) in plant available form.

**CFU : Powder :**  $1 \times 10^8$  per gm, **Liquid :**  $2 \times 10^8$  per ml

**Dosage : Soil Application :** Mix 2-3 kg or 1-2 Ltr of **K-Phospho Power** in 100-150 kg of compost manure and apply near root zone.

**Drenching or drip irrigation :** 1-2 Ltr per acre.

**Foliar Application :** 5-6 ml per lit. of water.

**Packing :** 1 kg & 1 Ltr.

# Bio Fertilizer



## **K-AZO POWER** (Powder & Liquid)

**K-Azo Power** comprised of free living nitrogen fixing bacterial of *Azotobacter sp.* Application of *Azotobacter* in crops can considerably reduce the input of chemical nitrogen fertilizer. *Azotobacter* also helps to improve seed germination and disease resistance by synthesizing active compounds, thus seed and seedling treatment with **K-Azo Power** is beneficial.

**CFU : Powder :  $1 \times 10^8$  per gm, Liquid :  $2 \times 10^8$  per ml**

**Dosage : Soil Application :** Mix 2-3 kg or 1-2 ltr of **K-Azo Power** in 100-150 kg of compost manure and apply near root zone.

**Drenching or drip irrigation :** 1-2 ltr. per acre.

**Packing :** 1 kg & 1 ltr.

## **K-ACETO POWER** (Powder & Liquid)

**K-Aceto Power** contains potential bacterial strain of *Acetobacter sp.* which is principally associated with sugarcane plant. It can colonize within plant parts such as root, stem and leaves of sugarcane and provide benefits to the plant by enhancing nitrogen availability through atmospheric nitrogen fixation and producing plant growth promoting substances.

**CFU : Powder :  $1 \times 10^8$  per gm, Liquid :  $2 \times 10^8$  per ml**

**Dosage : Soil Application :** Mix 2-3 kg or 1-2 ltr. of **K-Aceto Power** in 100-150 kg of compost manure and apply near root zone.

**Drenching or drip irrigation :** 1-2 ltr. per acre.

**Packing :** 1 kg & 1 ltr.



## **K-AZOSPIR POWER** (Powder & Liquid)

**K-Azospir Power** contains free living bacteria of *Azospirillum sp.* which fix atmospheric Nitrogen into plant available form. *Azospirillum* also produce antifungal agents, growth promoting metabolites which induce resistance and seed germination. Application of **K-Azospir Power** is also found very beneficial for tuber and rhizome crops such as sugarbeet, potato, ginger, turmeric etc.

**CFU : Powder :  $1 \times 10^8$  per gm, Liquid :  $2 \times 10^8$  per ml**

**Dosage : Soil Application :** Mix 2-3 kg. or 1-2 ltr. of **K-Azospir Power** in 100-150 kg. of compost manure and apply near root zone.

**Drenching or drip irrigation :** 1-2 ltr. per acre.

**Packing :** 1 kg & 1 ltr.



# Bio Fertilizer



## BioRaj (Bio NPK)

BioRaj comprised of nitrogen fixing bacteria in combination of phosphate solubilizing and potash mobilizers. This unique formulation of plant beneficial microbes assist the crop to uptake Nitrogen, Phosphorus and Potash from soil and also improves crop and soil health.

**CFU : Liquid :**  $2 \times 10^8$  per ml

**Dosage : Soil Application :** Mix 1-2 ltr. of BioRaj in 100-150 kg. of compost manure and apply near root zone.

**Drenching of drip irrigation :** 1-2 ltr. per acre.

**Packing :** 1 ltr and 5 ltr.

## VAM-MYCO SHAKTI (VAM) (Solid & Liquid)

Vesicular-Arbuscular (VAM) is an obligate symbiont, which reside and multiply inside the roots and enhance plant growth as a result of nutrient uptake. VAM also protect the root from pathogenic fungus and nematodes. Vam-Myco Shakti comprised of such VAM fungi. VAM colonize the roots of plants and extend their hyphae into it helping them to absorb soil nutrient and water.

**Dose : Soil Application :** Mix 4 kg of Vam-Myco Shakti in 100-150 kg. of compost manure and apply near root zone.

**Field Application :** 200-400 ml per acre through drip irrigation or soil application with 100-200 kg. organic manure.

**Packing :** 4 kg, 500 ml and 1 ltr.



## K-Zinc Power (Zinc solubilizing bacteria)

Zinc (Zn) is an essential micronutrient needed for optimum plant growth. Major portion of inorganic zinc in soil is converted into unavailable form. Zinc solubilizing bacteria has potential to solubilize bounded zinc and make available to plants.

**CFU : Liquid :**  $2 \times 10^8$  per ml

**Dosage : Soil Application :** Mix 1-2 ltr. of K-Zinc Power 100-150 kg. of compost manure and apply near root zone.

**Drenching or drip irrigation :** 1-2 ltr. per acre.

**Foliar Application :** 3-5 ml per lit. of water.

**Packing :** 1 ltr.

# MICROBIAL BIOPESTICIDE



## K-TRICHORICH (Powder & Liquid)

**K-Trichorich** comprised of *Trichoderma viride*, a most efficient antagonistic and mycolytic fungi predominately used as bio fungicide. However application of *Trichoderma* exhibits several other benefits to crops such as plant growth, drought and stress tolerance, protection from various diseases, resistance improvement, pesticide degradation etc. This fungi is being produced with sophisticated facilities and innovative method for getting active and reliable preparation. Regular application of *Trichorich* offers several beneficial effects to crop and soil.

**CFU : Powder :  $1 \times 10^8$  per gm, Liquid :  $2 \times 10^8$  per ml**

**Dosage : Soil Application :** Mix 1-2 kg. or 1-2 ltr. of **K-Trichorich** in 100-150 kg. of compost manure and apply near root zone.

**Drenching or drip irrigation :** 1-2 ltr. per acre.

**Foliar application :** 3-4 ml per ltr. of water.

**Packing :** 1 kg & 1 ltr.

## K-PSUDOCARE (Powder & Liquid)

**K-Psudocare** contains highly effective antagonistic bacteria *Pseudomonas fluorescence*, which protect the plant from number of fungal and bacterial pathogens and induce systemic resistance. *Pseudomonas fluorescence* also synthesizes some metabolites and siderophor which offer plant beneficial activities.

**CFU : Powder :  $1 \times 10^8$  per gm, Liquid :  $2 \times 10^8$  per ml**

**Dosage : Soil Application :** Mix 1-2 kg. or 1-2 ltr. of **K-Psudocare** in 100-150 kg. of compost manure and apply near root zone.

**Drenching or drip irrigation :** 1-2 ltr. per acre.

**Foliar application :** 3-5 ml per ltr. of water.

**Packing :** 1 kg & 1 ltr.



## FISH ARK (Emulsifiable fish oil)

**Fish Ark** is a Pure Fish Oil. It has got power to control insect and it is natural compound with no side effects, although the action of **Fish Ark** involve in some physical disruption of cuticle layer of insect (outer body covering). Fish Oil enter into the insect respiratory system and cause internal cell damage by breaking down cell membrane or disrupting cell metabolism. Fish Oil also expert some non lethal development effect on immature insect. Fish Oil also expert some non lethal development effect on immature insect. Fish Oil is not only toxic to the beetle, but due to its very small size, pest like beetles would often get trapped in small globules of oil, eventually dying from suffocation. **Fish Ark** is special recommended by NRC grapes, India for sucking pest like Mealybug on grapes. Our **Fish Ark** is recommended as preventive crop management on apples for san jose scale, European red mite, root rot etc.

**Dose :** 3 ml per ltr. of water along with pesticide.

**Packing :** 1 ltr, 5 ltr, 20 ltr.



# MICROBIAL BIOPESTICIDE



## MICRO-BT

*Bacillus Thuringiensis* is a biological insecticide that works as a stomach poison in specific insects once it is ingested. It produces proteins that react with the digestive lining causing paralysis in the digestive system. The insect will immediately stop feeding and die hours to a few days later. BT is used in the agricultural sector with vegetable crops, field crops, fruit crops, greenhouses, and organic crops.

**CFU : Liquid :**  $2 \times 10^8$  per ml

**Dose : Soil Application:** Apply 1-2 ltr. of **Micro-BT** per acre through water by drenching.

**Foliar Spray:** 5 ml per lit. of water

**Packing:** 1 ltr.

## K-AMPHILO

*Ampelomyces quisqualis* is a naturally occurring fungal parasite of powdery mildews. Approximately in 7 – 10 days, microparasites spread within the hyphae the mildew colony without killing it. Thereafter, the process of pycnidial formation begins and complete within 2 – 4 days, infected cells generally die soon after pycnidial formation begins. Controls Powdery Mildew disease caused by pathogens like Erysiphe sp., Blumeria sp., Oidium sp., Sphaerotheca sp., Microsphaera sp.

**CFU : Liquid :**  $2 \times 10^8$  per ml

**Dose : Soil Application:** Apply 1-2 ltr. of **K-Amphilo** per acre through water by drenching.

**Foliar Spray:** 5 ml per ltr. of water **Packing:** 1 ltr.



## PATHO-PRO

*Bacillus subtilis* is a soil bacterial species, which exhibits antagonist property against bacterial and fungal pathogens and thus protects plants from diseases. They are able to control several soil, seed borne and air borne crop disease caused by fungus belong to deuteromycetes, oomycetes, ascomycetes and bacterial plant pathogens. The fungal and bacterial plant pathogens undergo nutritional competition with bacillus subtilis, apart from these they secrete several enzymes, antibiotics and chemical substances which are lethal to pathogens.

**CFU : Liquid :**  $2 \times 10^8$  per ml

**Dose : Soil application:** Apply 1-2 ltr. of **Patho-Pro** per acre through water by drenching at the root zone or through irrigation.

**Foliar Spray:** Use 5 ml **Patho-Pro** per ltr. of water for spraying.

**Packing:** 1 ltr.

## ENTOMO BVM

**Entomo BVM** is a unique Entomopathogenic fungal consortia based formulation, comprised of dormant spores of *Beauveria bassiana*, *Verticillium lecani*, *Metarhizium anisopole* which helps to control different pests and insects. The spores attached to insect cuticle, germinate and penetrate into the insect body. The hyphae through enzymes action, proliferate in the body apart from this it produce certain toxins, eventually it kills the insect.

**CFU : Liquid :**  $2 \times 10^8$  per ml

**Dose : Soil Application:** Apply 2 ltr. of **Entomo BVM** per acre of crop through water by drenching, flood or drip irrigation.

**Foliar Spray:** Use 5 ml of **Entomo BVM** per lit. of water for spraying.

**Packing:** 1 ltr.





# NOVAL CONCENTRATED WATER SOLUBLE BIOFERTILIZERS & BIOPESTICIDES



Recently developed novel water soluble powdered formulation of biofertilizers and biopesticides by **Khandelwal Biofertilizer** offer several advantages over conventional powder and liquid biofertilizers. The ingredients and their concentrated used to form carrier base of this formulation has been derived by extensive experimental work so as to get highly stable and supporting environment for microbial cells and spores. In addition this formulation is provided with highly concentrated (**Five billion cfu per g of product**) biomass of respective microorganism which is equivalent or superior to the quantity of conventional liquid or powder formulation recommended. This special water soluble formulation is available in 200 g handy pouch which make it easy to store, transport and use.



PSB

ZSB

BIO NPK

AZOSPIRILLUM

AZOTOBACTER

KMB



Metarhizium  
Anisopliae

Pseudomonas  
Fluorescens

Trichoderma  
Viride

Ampelomyces  
Quisqualis

Beauveria  
Bassiana

Bacillus  
Subtilis

Verticillium  
Lecanii

Bacillus  
Thuringiensis

Pacilomyces  
Lilacilus

BVM

**Benefits:** ■ Superior over conventional powder and liquid biofertilizers & biopesticides ■ Easy to handle and use. Good Shelf life. ■ Quick Activation. ■ Equivalent to two liters of regular liquid biofertilizer & biopesticides

# HERBAL BIOPESTICIDES



## KEEPTOL (Herbal fungicide)

**KeepTol** is a innovative, highly effective broad spectrum herbal fungicide made up of castor derivative along with salicylic acid and glycine. It is having three way action **preventive, curative and plant recovery**. It provides resistance to the plant against broad spectrum fungal strains. Derivative of castor helps to destroy fungal spores and inhibit its formation. Salicylic acid work to prevent the attack of fungal diseases. Glycine helps to recover the plant from damage occurred through fungal infection. **KeepTol** prevents and cure a large no of diseases like downy mildew, powdery mildew, rust, tikka, Anthracnose pythium etc. on various crops.

**Dose : Foliar spray :** 1.5 - 2 gm per ltr. of water.

**Packing :** 500 gm, 1 kg.

## HERBO ERASER (Bactericide and fungicide)

**Herbo Eraser** is a natural organic herbal product used as preventive and curative agent, which fight against various bacterial cum fungal diseases of crops. It is able to destroy bacterial colonies within 48-72 hrs. It erase all bacterial sport on plant leaf, fruit, branch hence called eraser. We have observed effects of **Herbo Eraser** on various diseases like fire blight, apple scab, Alternaria rot and other fungal diseases on apole, Bacterial blight, bacterial leaf spot on pomegranates, Bacterial speck on paddy, Anthracnose on tomato, bell pepper, chilli, jowar, wheat etc.

**Dose :** 2 ml per ltr. of water.

**Packing :** 500 ml, 1 ltr.



## K-NANO SILVER (Eco-Friendly Broad Spectrum Bactericide and Fungicide)

**K-Nano silver** is an eco-friendly product containing multi-component oxidizing agent and scientifically formulated using a stable combination of hydrogen peroxide and nano silver (Ag) ions to create a highly effective sanitizing solution.

Broad spectrum biocide: effective against all kinds of fungal, Bacterial, Viral diseases and Nematodes.

**Dose : Soil Application:** Use 500 ml of **K-Nano Silver** per acre through drench or drip.

**Foliar Spray:** Use 1-3 ml. of **K-Nano Silver** per ltr. of water for spraying.

**Packing:** 500 ml, 1 ltr.



# HERBAL BIOPESTICIDES



## **TERMINIL** (Herbal Termite Repellent Technology)

Termites are most troublesome insects and cause severe damage to woody trees, wood, furniture and plywood. In addition it also infest several important crops like sugarcane, orange, pomegranate and several other orchards and nursery plants thereby causing damage to crops and economical loss. **Termini-Nil** is made up of plant based compounds, oils and natural ingredients; it is 100% eco-friendly and completely nontoxic. It doesn't show any ill effect on beneficial insects, earthworm and soil microbes. **Termini-Nil** has repellent activity and it showed resistance from reinfestation by termite on the applied area for 6 to 8 months.

**Dose:** prepare solution of **Termini-Nil** by mixing 10-15 ml/liter of water, Drench the solution directly at the root zone of plant.

**Packing:** 1 ltr.

## **COVEREX T** (Herbal Thrips Repellent)

**Coverex T** is an organic liquid formulation that protects the crop from thrip's infestation for longer time without disturbing and affecting the activity of various friendly insects like honey bee. The active ingredients present in **Coverex T** are obtained by isolating and refining various plant extracts and formulated in precise composition to get highly effective thrips repellent. The foliar application of **Coverex T** make it difficult for Thrips to sustain and colonies on the plant parts. This prevent infestation and reduce the damage. Application of **Coverex T** does not induce resistance among pests.

**Dose:** 1) Use 2 ml per liter of water for foliar application.

2) Use 400-500 ml per acre.

**Packing:** 250 ml, 500 ml, 1 ltr.



## **COVEREX M** (Herbal Mites Repellent)

Mites are tiny scrolling insects which infest tender plant parts and sometimes transmit viral diseases. **Coverex M** is an organic liquid formulation offer eco-friendly nontoxic remedy for mite infestation. The active ingredients present in **Coverex M** are obtained from various plant extracts and formulated in such a way that to offer long lasting anti feeding activity after foliar application. The unique combination of Piper nigrum and Syzygium aromaticum extracts prevent the mites to reside and colonize on tender parts of plants. Application of **Coverex M** does not induce resistance. **Coverex M** is an ideal remedy for organic farming and cultivating export quality products where pesticide residue is a major concern.

**Dose:** 1) Use 2 ml per liter of water for foliar application.

2) Use 400-500 ml per acre.

**Packing:** 250 ml, 500 ml, 1 ltr.

# MICRONUTRIENT



**Khandelwal Herbochem Industries** holds immense expertise in the manufacturing of range amino acid chelated, EDTA chelated, glycine chelated micronutrients which are easily soluble in water. It is specially formulated by the state of art technology for delivering micronutrient with maximum bio availability, tolerability and safety. These are formulated as per the grade notified by state government. We are available with Maharashtra, Karnataka, Himachal Pradesh and Rajasthan grades.

## K-Micro Shakti (Soil application)

Drip or Sprinkler special, 100% water soluble spray dried mixture of micronutrient.



## 4G Micro (foliar application)

**Liquid form** - Mix mineral complex chelated with glycine.

**Powder form** - Mix mineral complex chelated with

- 1) Amino acid
- 2) EDTA
- 3) Glycine

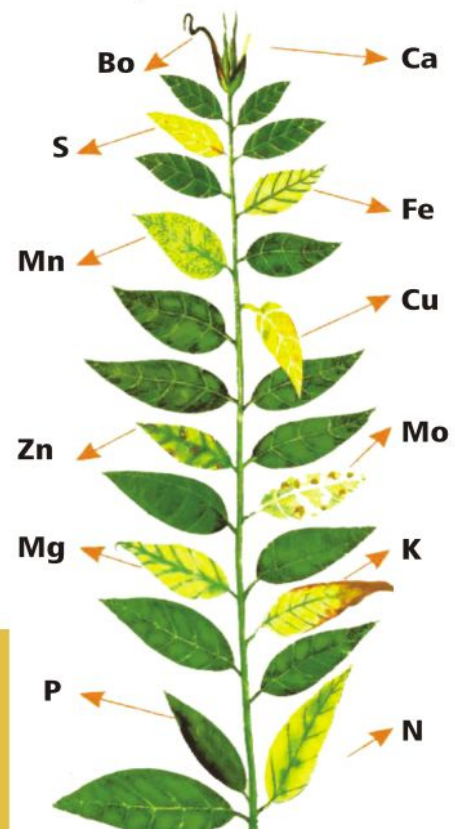
Also available in separate micronutrient form like

**Fe- (12%), Zinc- (12%), Mg- (6%), Mn- (12%), Cu- (12%), Ca- (10%).**

**Fe (6%) EDDHA**



Deficiency Chart of Micronutrients



# PLANT GROWTH REGULATOR



## Revital Plus (Biostimulant)

**Revital Plus** is natural biostimulant and growth enhancer contains the combination of different amino acid, plant growth hormones and growth regulators. **Revital Plus** helps to protect the bloom and fruits, improves the fruit color, shape and size. It enhances fruit size and weight through the elongation of fruit. It helps to increase the fruit set ratio, reduce the falling of immature fruits and flowers. It also helps to increase the plant immunity.

**Dose : Foliar application :** 0.5-1 ml per ltr. of water

**Packing :** 250 ml, 500 ml, 1000 ml.

## Kromolin (For size and quality of Apple & Roses )

**Kromolin** is unique product which is made up of combination of amino acid derivative along with natural plant growth regulators which are having effect of gibberellin and cytokinin. It is specially formulated for rosaceae family crops like apple, rose, pears etc. It helps to enhance fruit size and weight by elongating fruit and developing more prominent cly lobes. It helps to reduce dropping rate of fruits and flower. **Kromolin** has become a standard in orchard operation to help maximize fruit & flower quality & yield.

**Dose : Foliar Application :** 250 ml **Kromolin** in 200 lit. of water.

**Packing :** 250 ml.



## Queen Flower (Female Flower enhancer)

- **Application of Queen Flower** replaced the cold requirement of the Tulip bulbs for growth and flowering.
- **Queen Flower** treatment is more effective for early flowering and flower stalk elongation which ultimately results in more fruiting
- **Queen Flower** acts as Auxin transport inhibitor. It has been observed that the presence of **Queen Flower** in culture medium significantly depressed lateral root formation of inoculated seeding.
- It has been observed that by using • **Queen Flower** flowers appeared early which are having more proportion of female.
- More female flowers ultimately result in more, uniform and quality fruits which gives more yield.

### APPLICATION OF QUEEN FLOWER :

- First spray @ 1 ml per ltr. water at 6 leaf stage.

- Second spray @ 1 to 1.5 ml per ltr. water at flowering state is beneficial.

**Packing :** 100 ml, 250 ml.

## BIOARK - GAJAB (Nano technology based)

**Bioark-Gajab** is invention of Nano Biotechnology. It is a combination of various vegetable origin products obtained by fermentation technology. **Bioark-Gajab** is a combination of natural seaweed extract of *Ascophyllum nodosum*, Soya protein hydrolysates, carbohydrates, vitamins & natural plant growth promoting hormones.

**BENEFITS :**

- Overcome abiotic stress like unfavorable environmental conditions like high temperature, sudden increase or decrease in temperature, drought etc.
- Enhance natural and balanced development of plants during normal environmental conditions.
- Help in increasing photosynthesis & metabolic activity.

**Dose :** Use 5 gm of **Bioark-Gajab** in 15 ltr. of water for spray.

**Packing :** 100 gm, 250 gm.



# PLANT GROWTH PROMOTER



## **HUMAX** (Humic acid in powder and liquid form)

**Humax** is available in two form, **Humax (P)** is a 100% water soluble humic acid in flex form. **Humax (L)** : It is 12% solution of humic acid used for soil application through drenching. It act as a soil conditioner. It increase cation exchange capacity of soil. It helps to increase white root development and better seed germination. It improves nutrient uptake. It helps to increase chlorophyll synthesis. It stimulate beneficial microbial activity and increase crop yield and quality.

**Dosage : Soil application : Humax (L)** : 1-2 ltr. per acre mixing with fertilizer or through drip irrigation. **Humax (P)** : 500 gm to 1 kg. mixing with fertilizer or through drip irrigation.

**Pacing : Humax (L)** : 1 ltr & 5 ltr. **Humax (P)** : 500 gm and 1 kg.

## **SILIFERT** (Silicon with humic acid & Silicon solubilizing bacteria)

**Silifert** is made up of natural calcium silicate, which provides silicon in natural form to the plant. **Silifert** helps to stimulate plant growth, resist to biotic and abiotic stress. It is a two in one fertilizer, improve crop's yield and achieve long tern fertigation of soil. It is also provided with humic acid which act as a soil conditioner. To improve the performance and solubilization of silicon to make it in a plant available form, we have provided silicon solubilizing bacteria (S.S.B.) with it.

**Dosage : Soil application : Silifert** 5 kg. per acre thrice in a year by mixing with fertilizer or through drip irrigation. **Silifert** 25 kg. per acre twice in a year by mixing with fertilizer or through drip irrigation. **S.S.B.** packet must be given through drip or soil application by mixing with organic fertilizer as it contain bacteria.

**Packing** : 5 kg bag and 25 kg. drum.



## **PAS-95**

**PAS-95** is plant available silicon. It acts as a natural fungicide; it helps build the plants defense from attacks by insects, fungi. **PAS-95** helps the plant growth by depositing itself spidermal cell walls, enhancing the plant's ability to keep the leaves pointed towards the light source. It also increases the stem strength, making it easier to hold up more weight. As the plant builds itself up with silisic acid, it helps with balancing nutrient uptake and distribution, and increased concentration of chlorophyll and in leaves. **PAS-95** will be used as a broad spectrum, preventative insecticide with optimum control obtained when used under a scheduled preventative spray program.

**Dose** : 1 ml/ltr. of water.

**Packing** : 1 ltr & 5 ltr.

## **K-OSA** (Orthosilicic Acid)

Silicon is one of the most abundant element in the earth, most of them are in inert form and cannot be taken up by the plants directly. Generally soil contains silicon in the form of quartz and silicates which are insoluble and not in a plant/bioavailable form. Plants can absorb silicon only in the form of Orthosilicic acid (OSA). **OSA** is water soluble and is the only biologically active form of silica. **OSA** is taken up by the plants in very low concentrations but that concentrations have very important effect on plant growth. Orthosilicic Acid is absorbed by the plants, benefiting the plant in terms of growth and resistance to disease and environmental stresses. **OSA** also has a significant effect on soil texture, water holding capacity, adsorption capacity, and soil erosion stability.

**Recommendation**: Orthosilicic Acid 2% -- 1.5 ml per ltr. of water

**Packing** : 1 ltr.



# FRUIT & VEGETABLE DRYING AUXILIARIES



## COLD DIP ACTIVE (Dipping oil)

We manufacture grape drying oil "**Cold Dip Active**" which is widely known as Fruit Drying Oil, Dipping Oil, Drying Oil or Raisins Making Oil used for Drying of Grapes. It is India's first dipping oil certified by **CFTRI** (Central Food Technological Research Institute, Mysore). **Cold Dip Active** Dipping Oil liquid is sprayed on Grapes for the growth of good quality Raisins. **Cold Dip Active** Dipping Oil is used to get a good quality of Raisins from Grapes which are free from Sulphur taste.

**Dose:** For Dipping process use 1800 ml **Cold Dip Active** (Dipping oil) with potassium carbonate for a ton of grapes.

**Packing :** 20, 50, 100 ltr.



## PROTEX L

**Protex-L** is a mixture of organic Vitamin-C organosulfur along with preservative and antioxidant. The browning of fruits is happened due to the activation of PPO (Polyphenol Oxidase) enzyme at outermost layer of fruits. This enzyme is activated when fruits outer layer is exposed to environment which is happened when grapes are pre-treated with dipping oil and carbonate solution for drying. According to the fruit research institutes only Vitamin-C along with organosulfur can inhibit PPO activity consequently colour of dry grapes retained and browning of dry grape is stopped. Hence use of **Protex-L** in dipping and spray solution of dipping oil helps to avoid browning of dry grapes.

**Dose :** Use 2 ml per liter of water in Dipping and spray solution.

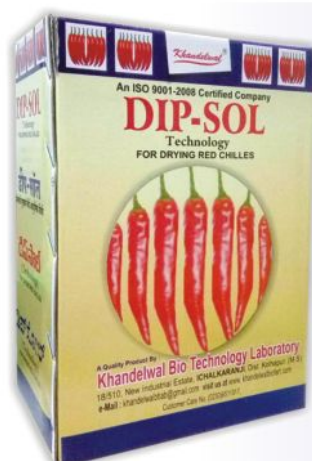
**Packing :** 1 ltr.

## FASTER

Raisin making is the process in which water has to be evaporated from grapes, this generally takes 10-15 days during the normal season. During this process, grapes undergo various biotic and abiotic stresses, which affects the final quality of raisins. The common fact has been noticed by various scientist and farmers that longer the drying period higher the possibilities of low-quality raisins formations hence shorting the drying periods is a most suitable way of getting quality raisins. And **Faster** is the only product which enhances drying process.

**Dosage: 1) Dipping:** 500 gm **Faster** along with dipping oil and potassium carbonate  
**2) First and Second Spray:** 200 gm of **Faster** along with dipping oil and potassium carbonate.

**Packing :** 1 kg.



## DIP-SOL (Red Chilli Drying Special)

A new technology was established, which is integrated method of chilli drying known as "**Dip-Sol**" method. **Dip-Sol** packet contain 1 ltr. liquid which having ethyl ester of vegetable oil and 1 kg powder which having combination of food grade carbonates and preservative. **Dip-Sol** helps to accelerate the drying period of red chillies up to 1 week. It helps to retain natural bright red color of red chillies up to 1 week. It helps to retain natural bright red color of chillies. Also helps to reduces the chilli cracking and reduction of seeds through breakage. Use of **Dip-Sol** for chilli drying enhances its quality and color.

**Dose :** Mix 1 kg of **Dip-Sol powder** in 50 ltr. of water then add 1 ltr. **Dip-Sol oil** to the above solution. Spray above solution uniformly on red chillies properly and leave it for sun drying.

**Packing :** **Dip-Sol packet** (1 kg + 1 ltr.)







Collaboration with  
Institute's, Expertise And Scientists.



Indian Council of Agricultural Research (ICAR)



Central Food & Technology Research Institute (CFTRI)



National Horticulture Mission (NHM)



Indian Institute of Horticulture Research (IIHR)



Organic Certified Products



An ISO 9001:2015 Certified Company

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