



# JAIPUR BIO FERTILIZERS

Empowering Farmers Since 1996

India's Leading Bio & Organic  
Fertilizer Company



# Exporting to 20+ Countries



# Certification from Different Institutions



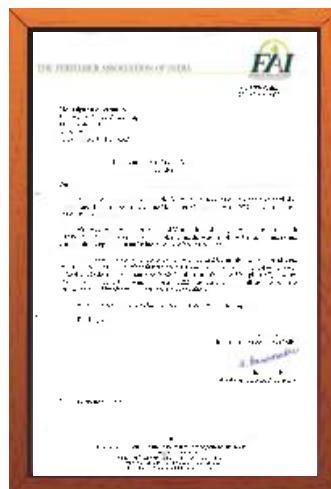
ISO 9001-2015 Certified

OHSAS 18001-2007 Certified

Organic Certificate (India)



Member, CHEMEXCIL



Member, FAI



Organic Certificate (Europe)

# 70+ Certified Organic Fertilizers



## Sustainable Farming



## Climate Smart Fertilizers



## Pesticide Residue Free Farming



## Innovative Crop Specific Nutrients



## Carbon Credits

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## RICE BOOSTER KIT



**RICE BOOSTER KIT** specially been designed to cater needs of all the Indian farmers, it easily integrates into the existing Package of Practices of the Farmer and no extra labour costs are involved for its application.

- Increases Root Mass by upto 60%
- Increase Yield by 25-40%
- Ideal to apply with Phosphatic Fertilizers like DAP, SSP & PROM

Stages	Traditional	AWD	DSR
Stage - 1	<b>Nursery</b> 100 gm / 15 Liter Water Spread over the nursery bed after 10 days of sowing the seeds, when small leaves start sprouting	<b>Nursery</b> 100 gm / 15 Liter Water Spread over the nursery bed after 10 days of sowing the seeds, when small leaves start sprouting	<b>Seed Coating</b> 100 gm / 1 Acre equivalent Seed Coat Seed with 100gm of Powder and sow it into the Soil
Stage - 2	<b>Transplantation</b> 100 gm / Acre Coat any Fertilizer with 100 grams of powder and use it in the field as per current Package of Practices	<b>Transplantation</b> 100 gm / Acre Coat any Fertilizer with 100 grams of powder and use it in the field as per current Package of Practices	<b>Top Dressing</b> 100gm/ Acre + 4 Kg / Acre Mix with any fertilizer and use in the field as per current Package of Practices
Stage - 3	<b>Top Dressing</b> 4 Kg / Acre Mix with any fertilizer and use in the field as per current Package of Practices	<b>Top Dressing</b> 4 Kg / Acre Mix with any fertilizer and use in the field as per current Package of Practices	NA

## OSAMIN<sup>TM</sup><sub>200</sub>



**OSAMIN<sub>200</sub>** is a liquid plant-available O-Silicic acid with High Silica Content (2%) with long shelf life and immediate results. 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. OSAMIN<sub>200</sub> is taken up by the plants in very low concentrations but that concentrations have very important effect on plant growth.

Technical Specification	
Ortho Silicic Acid [Si(OH) <sub>4</sub> ]	2.0 (min.)
pH	1.7 – 2.2

### Benefits:

- One of the main functions of OSA is improving the plants growth and yield, especially in stress conditions. To achieve plant tolerance in stress conditions, Silicon promotes photosynthesis by favorably exposing the leaves to light without dehydration.
- OSAMIN<sub>200</sub> protects the plants from abiotic stress (chilling cold heat, and drought) and biotic stress (fungus, insect nematodes, mites, bacteria and viruses).
- OSAMIN<sub>200</sub> increases chlorophyll, flowering and fruit setting and forms a thin layer of Silicon on plants which reduces mites and fungus attack.
- OSAMIN<sub>200</sub> maintains the water level in fruits and vegetables which results in increased shelf-life.

Foliar Application		
Crop	Dosage / 1 Liter Water	Application Timing
General	1.50ml	2-3 times at flowering stage and at fruit fill time.
Vegetables	1.50ml	4-5 times flowering stage and at fruit fill time between 10-15 days.
Fruits	2.00ml	3-4 times at fruit set, fruit development and fruit set.

## NATURAL POTASH



**Natural Potash** provides Potash to plants in water soluble form. It is a potassium rich fertilizer which we offer as an alternate to the existing chemical potash fertilizers. This fertilizer plays a major role in both the vegetative growth phase of plants as well as in the productive phase.

### Specifications:

COMPONENTS	CONTENTS
Potash (as K <sub>2</sub> O)	14.50 %(min.)
Moisture	5.00% (max.)

### Benefits:

- It provides the plants with naturally available POTASH and almost all major and micro nutrients are available.
- Natural potash fertilizer plays major role in both the vegetative growth phase of plant as well as in the productive phase.
- Increases photosynthesis & water-use efficiency.
- Essential to protein synthesis, fruit formation & carbohydrate metabolism.
- Improves quality of seed, soil, fruit & makes plants disease resistant.

**Usage:** All Types of Crops, Vegetables, Fruits along with Horticulture Crops.

**Dosage:** 50 Kg. /Acre

**Packaging:** 1 Kg. Box & 50 Kg. Bags

## RAJ KRISHI PROM<sup>®</sup>



**Raj Krishi PROM (Phosphate Rich Organic Manure)** is formulated with Natural Minerals, Organic Manure & Bio Nutrients. It provides soil with much needed Organic Carbon and Phosphorous in a slow releasing form.

### Specifications:

COMPONENTS	CONTENTS
Organic Carbon	10% (min)
Nitrogen	0.4% (min)
Phosphates (P <sub>2</sub> O <sub>5</sub> )	8% (min)
C:N Ration	>20:1
pH (1:5 solution)	6.7 (max)
Moisture	25.0 (max)

### Benefits:

- PROM is a phosphatic fertilizer enriched with Organic Carbon. It is highly effective even on hard & heavy black soil.
- It acts as basic nutritional food for soil at the time of sowing and improves the soil structure.
- The presence of Phosphorus, Nitrogen & Organic Carbon helps to keep the luster/ moisture of soil and presence of organic carbon helps to improve the efficiency of crop growth as well as prevents land from being acidic & toxic.
- It improves the water holding capacity of soil and improves overall productivity.

**Dosage:** 50 Kg. - 100 Kg. /Acre

**Packaging:** 25 Kg., 50 Kg. Bags

## ARYAN



**ARYAN** is a revolutionary Organic Fertilizer, which increases yield and improves the quality of the produce. It comes under the Category of Low Volume & High Efficiency Input, which on application thorough soil or foliar spray gets integrated into plant metabolism and enhances protein synthesis, increases enzymatic activity and encourages balanced hormonal synthesis, resulting into better root development, increases biomass, higher grain & fruity yields etc.

### **Benefits:**

- ARYAN Organic Manure increases crop yield by 15-20%.
- ARYAN Organic Manure saves 15-20% chemical fertilizers and increases their efficiency.
- The use of ARYAN increases flowers and fruits and reduces the possibility of flower & fruit drop.
- ARYAN improves the shape, quality and color of fruits.
- This fertilizer is compatible to use with insecticides, fungicides & fertilizers like Urea / DAP / Potash.

### **Method of use:**

- Apply 10-15 kg of ARYAN Organic Manure to the soil at the time of sowing or planting.
- Mix ARYAN Organic Manure with compost or vermicompost and mix it in the soil around the plant.

**Dosage:** 25 Kg./Acre

**Packaging:** 25 Kg. & 50 Kg. Bags

# RAJ KRISHI VERMICOMPOST<sup>®</sup>



**Raj Krishi Vermicompost** is an organic and non-toxic product that helps in adding nutrient and organic matter to the soil. It contains water-soluble nutrient and it is an excellent, nutrient rich organic fertilizer as well as soil conditioner. It helps to give your plants a nutrient rich environment for growing. Our product is made out of composting 100% natural cow dung, by utilizing worms to get a high quality end product which improves the quality and fertility of the soil.

### Dosage:

- Fruit trees Like Apple/Orange/Kim10w/Pomegranate/Litchi /Pear
- Newly planted: 2-3 Kg/Plant
- Non Fruiting adult plants: 4-8 Kg/Plant
- Fruiting Plants: 8 -15 Kg/Plant
- Mature Plants: 15-25/ Kg/Plant

**Usage:** For Fruit Plants like Apple/Pear (Deciduous Trees)

### Vermicompost can be applied at two different stages:

1. During Dormant Stage: Apply Vermicompost at the time of 'TAULIA' preparations at the bases of the tree ensure 2 - 4 inch digging (Gudaai) to properly mix the Vermicompost into soil.
2. During Spring Time: Apply Vermicompost under the foliage ensure digging (Gudaai) to properly mix the Vermicompost into soil.

For fruit plants like Kinnar/Litchi (Evergreen Trees) During Winter & Spring time: Apply Vermicompost under the foliage of the tree, ensure 2 - 4 inch digging (Gudaai) to properly mix the Vermicompost into soil.

**Packaging:** 50 Kg. Bags

## RAJ KRISHI BIO MANURE®



**Raj Krishi Bio Manure** is a plentiful source of carbon for the soil besides being rich in NPK (Nitrogen-Phosphorus-Potassium). Its usage balances the soil organic carbon in the soil and thereby preserves optimum productivity and soil fertility.

Technical Specification	
Components	Contents
Organic Carbon	14% (min.)
Phosphorus ( $P_2O_5$ )	0.5% (min.)
Nitrogen as (N)	0.8% (min.)
Potassium ( $K_2O$ )	0.8% (min.)
Moisture Content	30-40%
pH	6.5 – 8.0

### Benefits:

- Contains both macro-nutrient (calcium, sulphur, magnesium, iron, etc.) and micro-nutrient (nitrogen, phosphorus, and potash) essential for plant growth.
- Microbes accelerate the breakdown of crop residues in the soil. This improves the texture of the soil and also releases the locked-up elements.
- Increases the yield and quality of field, vegetable, tree and fruit crops.
- Improves alkaline and saline/sodic soil.
- Useful for all types of field crops, vegetable crops, orchards, kitchen gardens and flowers.

**Dosage:** 500 Kg - 1 MT/Acre

**Packaging:** 50 Kg. Bags

## RAJ KRISHI ORGANIC MANURE®



**Raj Krishi Organic Manure** improves the physical, chemical and biological properties of the soil. It retains nutrients and prevents them from leaching away the plant roots. Raj Krishi Organic Manure is a combination of Macro and Micro Nutrients that enriches the soil.

### Specifications:

COMPONENTS	CONTENTS
Potassium as K <sub>2</sub> O	0.5 % (min.)
Nitrogen as N	0.5 % (min.)
Phosphorous as P <sub>2</sub> O <sub>5</sub>	0.5 % (min.)
Moisture Content	25% (max.)

### Benefits:

- Contains both the micro-nutrients (calcium, sulphur, magnesium, iron, etc.) and macro-nutrients (nitrogen, phosphorus, potash) essential for plant growth.
- Microbes accelerate the breakdown of crop residues in the soil. This improves the texture of the soil and also releases the locked-up elements.
- In addition to releasing nutrients, as organic fertilizers break down, they improve the structure of the soil and increase its ability to hold water and nutrients. Over time, organic fertilizers will make your soil-and plants- healthy and strong.
- Ultimately, it betters the crop yield by improving soil fertility and soil structure.

**Dosage:** 500 Kg - 1 MT/Acre

**Packaging:** 25 Kg & 50 Kg Bags

# SAMRIDHI KING®



**Samridhi King** Bucket is an Organic Fertilizer, which increases yield and improves the quality of the produce. It contains water soluble nutrients and is an excellent organic fertilizer for all crops.

### Benefits:

- Natural soil conditioner.
- Improves soil structure.
- Improves the efficiency of fertilizers.
- Increases Root Respiration and Formation.
- Helping Plants to endure environmental stress.
- Increases yield by 10-15%.
- Organic fertilizer containing nitrogen, phosphorous, potash and organic carbon there is complete development of corp.
- Increases protein synthesis and improve the ability to absorb micronutrients.

**Usage:** All Types of Crops, Vegetable, Fruits along with Horticulture Crops.

**Dosage:** 10 – 20 Kg/Acre

**Packaging:** 10 Kg & 20 Kg Bucket

# CALCIKING



**CALCIKING** is a concentrated soluble liquid formulation which Contains 11 % Calcium. Calcium is the main transporter of Nutrient to the plant. CALCIKING is applied during flowering stage and it stimulates intimal chemical pathways which promote fruit & flower setting, resulting in increased fruit yields.

Technical Specification	
Calcium Content (Ca)	11% (min.)
pH (5% Solution)	9.5±1
Specific Gravity	1.30 – 1.35

## Benefits:

- CALCIKING is highly free flowing formulation with excellent crop safety and allows higher calcium input to be available to the plant
- CALCIKING is the main transporter of nutrients to the plant.
- CALCIKING is applied during flowering stage and it stimulates internal chemical pathways which promote fruit set, resulting in increased fruit yields.
- CALCIKING makes the cell wall strong, which increases resistance to pests & disease.

Foliar Application		
Crop	Dosage / 1 Liter Water	Application Timing
General	1.50ml	2-3 times at flowering stage and at fruit fill time.
Vegetables	1.50ml	4-5 times flowering stage and at fruit fill time between 10-15 days.
Fruits	2.00ml	3-4 times at fruit set, fruit development and fruit set.

## BORO POWER



**BORO POWER** is a 10% EC Formulation containing Boron Ethanolamine. BORO POWER plays main role for the growth and development of plant. Without sufficient boron, new growth comes to end. It helps to accomplish deficiencies in wide range of crops like cracking, poor flowering etc.

Technical Specification	
Boron (B) Content	10% (min.)
pH (5% Solution)	8.5±1

### Benefits:

- BORO POWER plays main role for the growth and development of the plant and without sufficient boron new growth is stagnated.
- BORO POWER is necessary for maintaining a balance between sugar and starch.
- BORO POWER helps to accomplish deficiencies in a wide range of crop like cracking and disfigurement of skin, poor flowering and fruit set.
- BORO POWER is necessary in pollinating a balance production stage.
- It is recommended for organic fanning.

Foliar Application		
Crop	Dosage / 1 Liter Water	Application Timing
General	1.50ml	2-3 times at flowering stage and at fruit fill time.
Vegetables	1.50ml	4-5 times flowering stage and at fruit fill time between 10-15 days.
Fruits	1.25ml	3-4 times at fruit set, fruit development and fruit set.

## ZINCO<sub>700</sub>



**ZINCO<sub>700</sub>** is a highly concentrated Zinc formulation containing 39.50 % Zinc. It is in the form of a Zinc Oxide Suspension whose higher nutrient concentration means that the application rates are lower. **ZINCO<sub>700</sub>** is designed for rapid uptake and quick results.

Technical Specification	
Zinc Content	39.5% (min.)
pH	9.0±1
Specific Gravity	1.71 to 1.75

### Benefits:

- **ZINCO<sub>700</sub>** contains 39.5% min Zn, which is more than any other form of Zinc nutrition.
- **ZINCO<sub>700</sub>** is stable suspension concentrated formulation and helps to form enzymes which regulate the plant life.
- Excellent product for decreasing zinc deficiency in short time.
- **ZINCO<sub>700</sub>** takes part in N metabolism and stimulates amino acid to produce proteins.
- It is recommended for organic farming.

Foliar Application		
Crop	Dosage / 1 Liter Water	Application Timing
General	1.50ml	2-3 times at flowering stage and at fruit fill time.
Vegetables	1.50ml	4-5 times flowering stage and at fruit fill time between 10-15 days.
Fruits	1.25ml	3-4 times at fruit set, fruit development and fruit set.
Other Crops	1.50ml	3-4 times at growth time and flowering time.

### OSAMIN<sup>TM</sup><sub>200</sub>



**OSAMIN<sub>200</sub>** is a liquid plant-available O-Silicic acid with High Silica Content (2%) with long shelf life and immediate results. 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. OSAMIN<sub>200</sub> is taken up by the plants in very low concentrations but that concentrations have very important effect on plant growth.

Technical Specification		
Ortho Silicic Acid [Si(OH) <sub>4</sub> ]	2.0 (min.)	
pH	1.7 – 2.2	

#### Benefits:

- One of the main functions of OSA is improving the plants growth and yield, especially in stress conditions. To achieve plant tolerance in stress conditions, Silicon promotes photosynthesis by favorably exposing the leaves to light without dehydration.
- OSAMIN<sub>200</sub> protects the plants from abiotic stress (chilling cold heat, and drought) and biotic stress (fungus, insect nematodes, mites, bacteria and viruses).
- OSAMIN<sub>200</sub> increases chlorophyll, flowering and fruit setting and forms a thin layer of Silicon on plants which reduces mites and fungus attack.
- OSAMIN<sub>200</sub> maintains the water level in fruits and vegetables which results in increased shelf-life.

Foliar Application		
Crop	Dosage / 1 Liter Water	Application Timing
General	1.50ml	2-3 times at flowering stage and at fruit fill time.
Vegetables	1.50ml	4-5 times flowering stage and at fruit fill time between 10-15 days.
Fruits	2.00ml	3-4 times at fruit set, fruit development and fruit set.

## SUSPENSION CONCENTRATES

# FRUITAMIN<sup>TM</sup>

Calcium Nitrate Fortified with Magnesium (Suspension)



**FRUITAMIN** is soluble liquid formulation which contains high concentration of Calcium with added Boron, Magnesium and other main nutrients. **FRUITAMIN** prevents psychological distress caused by calcium deficiency. Boron present in **FRUITAMIN** helps the plant to absorb and use calcium efficiently. **FRUITAMIN** decreases the fruit drops and increases the pollination through stronger pollen tubes which results in better fruit & flower setting.

Calcium Nitrate Fortified with Magnesium	
Total Nitrogen	10.0% (min.)
Nitrate Nitrogen	8.5 % (min.)
Water Soluble Calcium (CaO)	15.0% (min.)
Water Soluble Magnesium (MgO)	2.0% (min.)
Total Chloride (Cl)	2.5% (max.)
pH	8.0-9.0

### Benefits:

- **FRUITAMIN** is highly flowable formulation with excellent crop safety and allows higher calcium input to be made.
- It is a soluble liquid formulation which contains high concentration of Calcium with added Boron, Magnesium and other main nutrients.
- Calcium is the main transporter of nutrients to the plant.
- **FRUITAMIN** is applied during flowering stage and it stimulates internal chemical pathways which promote fruit set, resulting in increased fruity yields.
- Calcium makes the cell walls strong which increases resistance to pests & diseases.
- **FRUITAMIN** prevents psychological distress caused by calcium deficiency.
- Boron Present in **FRUITAMIN** helps the plant to absorb and use calcium efficiently.
- **FRUITAMIN** decreases the fruit drops and increases the pollination through stronger pollen tubes which results in better fruit & flower setting.

Foliar Application		
Crop	Dosage / 1 Liter Water	Application Timing
General	1.50ml	2-3 times at flowering stage and at fruit fill time.
Vegetables	1.50ml	During flowering stage and at fruit fill time between 10-15 days.
Fruits	2.00ml	3-4 times at fruit set, fruit development and fruit set.

**K-30**

**K-30** is a highly concentrated soluble liquid based on Potassium containing Amino Acids. K-30 helps in maximizing quality for fruits with greater flavor, colour and hardness. K-30 increases the resistance of plants against diseases and infections. It increases starch and sugar accumulation and makes fruit sweeter.

Technical Specification	
Potassium (K2O)	30% (min.)
Nitrogen (N)	5% (min.)
L- Amino Acids	3% (min.)
pH (5% Solution)	12±1

**Benefits:**

- K-30 help in maximizing quality for fruits with greater flavor, colour and hardness.
- K-30 allows the soil to naturally retain plant-usable nutrients.
- K-30 helps the crop to fight diseases.
- It also increases starch and sugar accumulation and makes fruit sweeter.

Foliar Application		
Crop	Dosage / 1 Liter Water	Application Timing
General	2.00ml	2-3 times at flowering stage and at fruit fill time.
Vegetables	2.50ml	4-5 times flowering stage and at fruit fill time between 10-15 days.
Fruits	2.50ml	3-4 times at fruit set, fruit development and fruit set.
Other Crops	2.00ml	3-4 times at growth time and flowering time.

### ARYAN



**ARYAN** is unique liquid formulation containing phosphorus and potassium, this formulation promotes healthy roots and encourages root expansion and strong stem development. It is 100% soluble liquid and recommended to use after early leaf emergence until fruit set in all the crops.

Technical Specification	
Components	Contents
Phosphorus ( $P_2O_5$ )	31% w/w
Potassium ( $K_2O$ )	21% w/w
pH	5.5
Specific Gravity	1.5
Matter insoluble in water	0.5% (max.)

#### Benefits:

- It is considered as an essential nutrient for providing Phosphorous and Potassium to the plants in liquid form.
- This formulation contains more percentage of phosphorus and potassium than any other typical liquid.
- It is recommended for Organic Farming.

Foliar Application		
Crop	Dosage / 1 Liter Water	Application Timing
General	2.00ml	2-3 times at flowering stage and at fruit fill time.
Vegetables	2.50ml	4-5 times flowering stage and at fruit fill time between 10-15 days.
Fruits	2.50ml	3-4 times at fruit set, fruit development and fruit set.
Other Crops	2.00ml	3-4 times at growth time and flowering time.

## MAYAN



**Mayan** is a unique suspension concentrate formulation that contains major nutrients like Nitrogen, Phosphorus and Potassium with macro and micro nutrients. It is specially designed for foliar applications. Mayan is a complete nutrient management liquid formulation that helps to treat the specific deficiency and improves crop color. It also increases the vigour, improves plant health and leads to overall crop growth.

Technical Specification	
Components	Contents
Nitrogen as (N)	13% (min.)
Phosphorus as (P <sub>2</sub> O <sub>5</sub> )	13% (min.)
Potassium as (K <sub>2</sub> O)	13% (min.)
Magnesium (Mg)	1.25% (min.)
Matter insoluble in water	0.5% (max.)
pH (1% solution)	5±1

### Benefits:

- Mayan produces greater root mass and green leaf area.
- Mayan gives improved flower / fruits set and higher tolerance to environmental stress.
- Mayan is used in the initial stage spray for green growth.
- It also develops tolerance toward abiotic stress.

Foliar Application		
Crop	Dosage / 1 Liter Water	Application Timing
General	2.00ml	2-3 times at flowering stage and at fruit fill time.
Vegetables	2.50ml	4-5 times flowering stage and at fruit fill time between 10-15 days.
Fruits	2.50ml	3-4 times at fruit set, fruit development and fruit set.
Other Crops	2.00ml	3-4 times at growth time and flowering time.

## MAURYA



**Maurya** is unique suspension concentrate formulation that contains major nutrients like Nitrogen, Phosphorus and Potassium with macro and micro nutrients. It is specially designed for foliar applications. Maurya is a complete nutrient management liquid formulation that helps to treat the specific deficiency and improves crop color. It also increases the vigour, improves plant health and leads to overall crop growth.

Technical Specification	
Components	Contents
Nitrogen as (N)	10% (min.)
Phosphorus as ( $P_2O_5$ )	08% (min.)
Potassium as ( $K_2O$ )	18% (min.)
Sulphur (S)	2.5% (min)
Magnesium (Mg)	1.25% (min)
pH I(1% Solution)	11±1
Matter insoluble in water	0.5% (max.)

### Benefits:

- Maurya can be used from vegetative growth till fruit setting.
- Maurya helps in increasing the branches.
- Maurya gives improved flower/fruits set and higher tolerance to environment stress.

Foliar Application		
Crop	Dosage / 1 Liter Water	Application Timing
General	2.00ml	2-3 times at flowering stage and at fruit fill time.
Vegetables	2.50ml	4-5 times flowering stage and at fruit fill time between 10-15 days.
Fruits	2.50ml	3-4 times at fruit set, fruit development and fruit set.
Other Crops	2.00ml	3-4 times at growth time and flowering time.

## PLANTIS



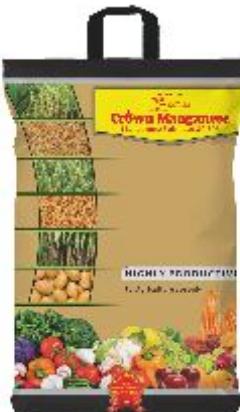
**Plantis** is a unique suspension concentrate formulation that contains major nutrients like Nitrogen, Phosphorus and Potassium with macro and micro nutrients specially designed for foliar applications. Plantis is a complete nutrient management liquid formulation that helps to treat the specific deficiency and improves overall plant health. It helps to improve crop color, and increase the vigour that leads to overall crop growth.

Technical Specification	
Components	Contents
Nitrogen as (N)	05% (min.)
Potassium as (K <sub>2</sub> O)	23% (min.)
Sulphur (S)	5.70% (min.)
Magnesium (Mg)	2.3% (min.)
Matter insoluble in water	0.5% (max.)
pH	5±1

### **Benefits:**

- PLANTIS produces greater root mass and green leaf area.
- PLANTIS increases fruits size by 10-30%.
- PLANTIS increases the weight of Fruits & Vegetables.
- PLANTIS develops tolerance towards abiotic stress.

Foliar Application		
Crop	Dosage / 1 Liter Water	Application Timing
General	2.00ml	2-3 times at flowering stage and at fruit fill time.
Vegetables	2.50ml	4-5 times flowering stage and at fruit fill time between 10-15 days.
Fruits	2.50ml	3-4 times at fruit set, fruit development and fruit set.
Other Crops	2.00ml	3-4 times at growth time and flowering time.



### CROWN MANGANESE 30%



**Crown Manganese Sulphate** is a micronutrient that is commonly deficient in soil with a pH level above 6.5. When plants lack this mineral, they exhibit visible symptoms. For example, beans and many nongrain crops develop yellow or white areas between the veins of the leaves.

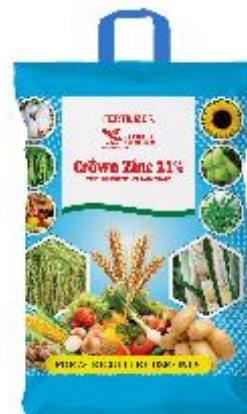
#### Benefits:

- It is one of the important trace element fertilizers that can be used as base fertilizer.
- It promotes the growth of crops to increase production.
- Manganese helps in fruiting & flowering.

**Dosage:** 1 Kg./Acre      **Packaging:** 1 Kg. Poly Pouch

### CROWN ZINC 21%

Generally, continuous use of fertilizer and intensive cropping on the same soil can result in depletion of Zinc. Zinc Sulphate Heptahydrate contains Zinc as Zn 21 % and Sulphur 10% enriched with major nutrients (NPK). It is a chemical compound that is water soluble, transparent, colourless, crystalline compound.



#### Benefits:

- Zinc Sulphate Heptahydrate promotes healthy growth of lush green leaves.
- It reduces whitening and patches of leaves and stops the formation of abnormally small leaves.
- It increases the plant's resistance to diseases and boosts growth rate.
- Zinc Sulphate Heptahydrate also helps in the growth of crop shoots and promotes the formation of grains and fruits in a faster way.

**Dosage:** 5-10 Kg./Acre

**Packaging:** 5 Kg. Bag



### CROWN MAGNESIUM 9.6%



**Crown Magnesium Sulphate** is composed of magnesium and sulphur which are necessary for healthy plant growth. In plants, magnesium is an essential mineral nutrient for effective crop development. Magnesium acts as a catalyst for many enzymes and plays a significant role in photosynthesis, metabolic pathways, nucleic acid formation, phosphate transformation, and protein synthesis. Sulphur also assists in chlorophyll production and makes nitrogen, phosphorus and potassium available to the soil which makes it more effective.

#### **Benefits:**

- It is free flowing crystalline compound which dissolves completely in water.
- It contains two important essential secondary micronutrients, magnesium and sulphur, in a balanced ratio.
- It helps to keep plant leaves green by maintaining chlorophyll levels & leads to overall growth.
- It can be mixed and applied along with all other foliar water soluble fertilizer except calcium fertilizers.

**Dosage:** 25 Kg./Acre

**Packaging:** 25Kg. Bag

### CROWN FERROUS 19%

**Crown Ferrous Sulphate Heptahydrate** is used by plants to uptake iron in its oxidized forms. Plants use various iron uptake mechanisms and one of these is the chelation mechanism in which the plant releases compounds called siderophores that binds iron and enhance its solubility.

#### **Benefits:**

- It provides Iron (Fe) to plants.
- It is used as a lawn conditioner, and moss killer.
- The sulphate acidifies the soil and promotes fine leaved grass growth.
- High alkaline soil hurts grass growth.

**Dosage:** 10 Kg./Acre

**Packaging:** 10 Kg. Bag





### CROWN BORON 20%



Boron Fertilizer, Disodium octaborate tetra hydrate, is a highly concentrated & completely soluble source of boron. It contains 20% boron. Boron is the easiest way to overcome boron deficiency of crops

#### Benefits:

- It helps in new cell formation, root development and increases number of flowers and fruits.
- It helps in formulation of amino acids and protein. It helps in growth of crops and provides high yield.
- It keeps plant healthy and green.

#### Dosage & Application:

Dissolve 2 gm of Boron per liter of water for foliar application. Apply to the crop during critical growth condition. Boron is suitable for drip irrigation and ideal dose is 1 kg per acre.

**Packaging:** 1 Kg. Poly Pouch

### CROWN ZINC 33%

**Crown Zinc 33%** provides the plant with high quality Zinc & Sulphur which is water soluble and is immediately available to the plant. It provides the soil with the most essential micronutrient i.e. Zinc (Zn) and most important secondary nutrient i.e. Sulphur (S).



#### Benefits:

- Crown Zinc 33 provides soil with Zinc and Sulphur
- Crown Zinc 33 is compatible with Urea & other Chemical Fertilizers
- Crown Zinc 33 increases the efficiency of urea by chelating the urea pills as a coating agent.
- It is readily soluble in water.
- Crown Zinc 33 is immediately and completely available to crop

**Dosage:** 1 Kg./Acre

**Packaging:** 1 Kg. Poly Pouch

### CROWN MIX MICRONUTRIENT<sup>+</sup>



**Crown Mix-Micronutrient +** contains essential and vital nutrients needed by crop in readily available form. It assists the deficiencies in all crops which arise due to lack of micronutrients. It also assists in availability and uptake of other macro elements that helps in proper utilization for NPK Fertilizer.

Contents	Standards
Zinc	5% (min.)
Ferrous	2% (min.)
Manganese	2% (min.)
Boron	0.5% (min.)
Copper	0.5% (min.)
Molybdenum	0.05% (min.)

#### Benefits:

- It improves flowers & fruits with quality yield.
- It speeds up the photosynthesis process and improves resistance to common soil borne diseases.
- It helps in reducing the white marks on the upper side of the leaves.
- It makes plants healthy and maximizes production.
- It reduces yellowness of green leaves, assists in biological process and cell growth in plants.

**Dosage:** Liquid: 500ml-1000ml/Acre

**Packaging:** Liquid: 500ml & 1000ml Bottle

**Dosage:** Powder: 5-10 Kg./Acre

**Packaging:** Powder: 5 & 10 Kg. Bag

### MYCO GOLD<sup>TM</sup> (GRANULES)



**Myco Gold** is a Vesicular-Arbuscular-Mycorrhiza (VAM) based on spores and fragments of Mycorrhizal fungal filaments and infected root bits. VAM fungi enhances phosphate uptake and mobilize immobile micronutrient like Fe, Mn, Zn, Cu, Bo, Mo. VAM is also used as an effective soil inoculant.

#### Benefits:

- VAM produces powerful enzymes to dissolve tightly bound nutrients such as organic nitrogen, phosphorous, iron, zinc, sulphur and copper.
- It increases the surface area of roots from 100 to 1000 times & provides better crop growth and yield.
- It resists entry of pathogens and nematodes near plant roots.
- It reduces symptoms incited by disease producing organisms and significantly lowers need of watering and fertilizer.

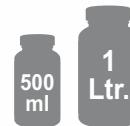
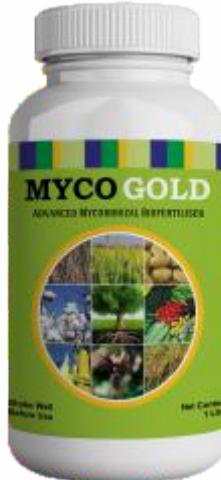
**Target Crops:** Cereals, Pulses, Oil seeds, Fruits, Vegetables, Plantation, Fiber crops, Forest and Nursery.

**Dosage:** 4 Kg./Acre

**Packaging:** 1Kg. & 4 Kg. Poly Pouch

# MYCO GOLD<sup>TM</sup>

(LIQUID)



**Myco Gold** is a Vesicular-Arbuscular-Mycorrhiza (VAM) based on spores and fragments of Mycorrhizal fungal filaments and infected root bits. VAM fungi enhances phosphate uptake and mobilize immobile micronutrient like Fe, Mn, Zn, Cu, Bo, Mo. VAM is also used as an effective soil inoculant.

### Benefits:

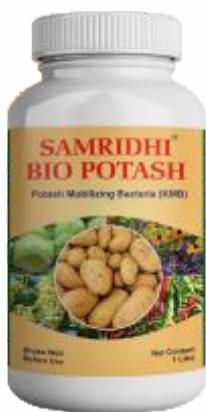
- VAM produces powerful enzymes to dissolve tightly bound nutrients such as organic nitrogen, phosphorous, iron, zinc, sulphur and copper.
- It increases the surface area of roots from 100 to 1000 times & provides better crop growth and yield.
- It resists entry of pathogens and nematodes near plant roots.
- It reduces symptoms incited by disease producing organisms and significantly lowers need of watering and fertilizer.

### Target Crops:

Cereals, Pulses, Oil seeds, Fruits, Vegetables, Plantation, Fiber crops, Forest and Nursery.

**Dosage:** 500 ml- 1 Liter/Acre

**Packaging:** 500 ml, 1000 ml HDPE Bottle



**Dosage :**  
500 ml- 1 Liter/ Acre



## SAMRIDHI BIO POTASH®



**Samridhi Bio Potash** is a naturally-occurring beneficial proteo bacteria which is used as a biological fertilizer. It is also used as an effective soil inoculant. This on application to the soil gets activated and starts multiplying by utilizing the carbon source of the soil and exudates roots.

### Benefits:

- It contributes in potassium mobility from the soil towards plant roots. Non exchangeable K release depends upon nature and amount of clay minerals.
- To get best results KMB should be used with nitrogen fixing bacteria so that they respond more with co inoculants and soil application.
- It reduces cost of potash application by 50 - 60%.
- It improves sucrose content and appearance in crops.

## SAMRIDHI BIO N.P.K.®

**Samridhi Bio NPK** is a combination of PSB, KMB and other strains of Nitrogen Fixing Bacteria.

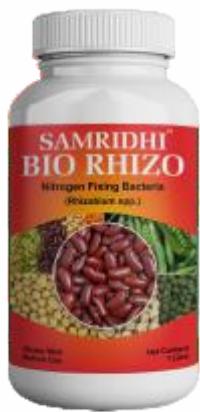
### Benefits:

- PSB possess the activity to solubilize the Phosphorous by secreting organic acids (Gluconic acid, formic acid, glutamic acid, lactic acid, citrate, malic acid) that lowers soil pH and turns unavailable forms of soil phosphate to available form.
- KMB mobilizes potash available in soil of the plant and activates the numerous enzymes system involved in formation of organic substances and protein compounds.



**Dosage :**  
500 ml- 1 Liter/ Acre





#### Dosage :

500 ml- 1 Liter/ Acre



## SAMRIDHI BIO RHIZO®



**Samridhi Bio Rhizo** is a soil bacterium which fixes atmospheric nitrogen in symbiotic association with leguminous crops. Rhizobium enters the root hairs of leguminous crops, multiply in adjoining cells, form a pinkish root nodules containing leg hemoglobin which help in fixing the atmospheric nitrogen in forms of organic compounds.

#### Benefits:

- Rhizobium is able to convert tryptophan into Indole acetic acid (IAA) in the roots which enhances root development and plant growth.
- The residual N available to subsequent non-leguminous crops is around 20-30 kg/ha. The beneficial effect is seen as saving of N through organic means.

**Target Crops:** Pulses like gram, lentil, pea, pigeon pea, soybean, green, gram, black gram, etc. and other leguminous crops like groundnut, berseem and lucerna.

## SAMRIDHI BIO AZO®

**Samridhi Bio Azo** releases ammonia into the soil, improves soil fertility and produces phyto hormones like (IAA), Gibberellins and Cytokines. It accelerates production of some antifungal substances which inhibits the growth of harmful fungi.

#### Benefits:

- Improves seed germination percentage
- Increases number & length of shoot and root
- Improve yield by 25% to 30% in wheat and finger millet.
- Improves post-harvest seed quality in terms of germination.

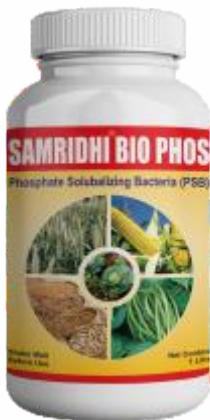


#### Dosage :

500 ml- 1 Liter/ Acre



**Target Crops:** Wheat, Paddy, Maize, Cotton, Potato, Millets, Vegetables, Grapes, Banana, Pomegranate, Oranges, Plantation crops, Fiber and Oil producing crops.



## SAMRIDHI BIO PHOS®



**Samridhi Bio Phos** solubilizes inorganic phosphorus from insoluble compounds. Due to immobilization of phosphate by mineral particles, fertilizers are likewise immobilized in the soil, instantly with the just 20% consumption by plants. PSB converts chemically fixed soil phosphorus to desirable form.

### Benefits:

- Increase micronutrients availability to plant from the soil like Mn, Mg, Fe, Mo, B, Zn and Cu in addition to P<sub>2</sub>O<sub>5</sub>
- Encourages faster root growth for water and nutrient uptake.
- PSB produces organic acids like malic acid, succinic acid, fumaric acid, citric acid, tartaric acid and acetic acid which fasten the P<sub>2</sub>O<sub>5</sub> up take, maturity and increase yield.



**Dosage :**  
500 ml- 1 Liter/ Acre

## SAMRIDHI BIO ZINC®

**Samridhi Bio Zinc** is a naturally-occurring beneficial autotrophic, acidophilic bacteria used as a biological fertilizer and effective soil inoculant. The bacteria requires inorganic molecules as a source. It also fixes Nitrogen in acidophilic habitats. The bacteria derive its metabolic energy by oxidation of reduced inorganic sulphur compounds or ferrous ions. It also supports anaerobic growth.

### **Benefits:**

- Bio Zinc oxidizes zinc and produces organic acids due to which fixed zinc becomes available to plants. This helps in reduction of pH of the soil, breaking down the complex compounds thus increasing the crop yield and soil health.
- It controls khera disease in paddy and improves root and plant growth.

**Target Crops:** Crops grown between 5 to 8 pH, ZSB should be applied specially in Paddy, Wheat, Pulses, Citrus, Pomegranate, Ginger etc.



**Dosage :**  
500ml - 1Liter / Acre



# RESI KILL -100

(MICROBES BASED PESTICIDE RESIDUE KILLER)



**RESI KILL-100** is a unique consortium of bacteria and enzymes formulated as water soluble powder. The strains in consortia are isolated from vine have an ability to colonize the roots and help to reduce systemic pesticide residues if applied at appropriate time and are present in proper adequate concentration. The consortia can survive in presence of selective chemical pesticides and helps to reduce MRL levels of chemical pesticides.

#### Benefits:

- Mandatory Product for Exports related Crops specially fruits.
- Reduces MRL Levels of Chemical Pesticides.
- Effective against powdery mildew and anthracnose.
- Helps in increasing fruit size, and providing key features in metabolism that include formation of starch, translocation of sugars, stomata regulation etc.

#### Application Rate:

- **Soil Application:** 100-200 gm /acre
- **Foliar Application:** 100 gm /200 Liter water per acre

**Note:** 5-6 Applications are required per Crop Cycle in an Acre

**Foliar Application:** Resi Kill-100 is used as foliar spray. Apply in sufficient water to provide thorough coverage. Frequency of foliar spray depends on the crop stage at 7-10 days interval or as needed.

**Packaging:** 100 gm. Poly Pouch

## APPLE GENIE - GRANULES



**Apple Genie** is a revolutionary Organic Special Product, which increases yield and improves the quality of the produce. It comes under the Category of Low Volume & High Efficiency Input, which on application through soil or foliar spray gets integrated into plant metabolism and enhances protein synthesis, increases enzymatic activity and encourages balanced hormonal synthesis, resulting into better root development, increased biomass and higher grain & fruity yields.

**Ingredients:** Nitrogen, Potassium, Organic Carbon, Calcium, Sulphur, Magnesium & various Micronutrients

### Benefits:

- Increases yield by 25 - 30 %.
- Induces flowering and fruit setting and reduce flower & fruit drop.
- Improves fruit shape, quality & colour.
- Improves Protein synthesis & uptake of macro and micro Nutrients.
- Enhances immunity & helps to withstand stress conditions.
- Better root development ensures higher nutrient and water uptake.

**Dosage:** 10 Kg./Acre

**Packaging:** 20 Kg. Bag

## PLANT FOOD



**Plant Food** is complete secondary nutrient Fertilizer that provides all nutrition to the plant. It provides plants with Calcium, Magnesium & Sulphur.

### Product USP:

- Can be used on all Crops and Plants. It is a 100% Natural Product.
- Best way for plants to receive Secondary Nutrients.
- Calcium/Magnesium/ Sulphur are in readily available form.

### Calcium (Ca)

- It is utilized for cell division.
- It helps in nitrogen metabolism. It reduces the respiration rate. It increases the fruit-setting.
- It influences the microbial activity.

### Magnesium (Mg)

- It is an activator and component of many plant enzymes. It is a key element of chlorophyll production.
- It helps in the utilization and mobility of phosphorous. It increases the iron utilization in crop plants.
- It helps in the uniform maturity of crops.

### Sulphur (S)

- It is the integral part of amino acids.
- It promotes the nodules formation in legume crops. It is partially involved in chlorophyll formation.

**Usage:** It can be used for all plants and crops

**Dosage:** 60-90 Kg. /Acre

**Packaging:** 25 & 30 Kg. Bag

## SILICON GOLD



**Silicon Gold** provides plants and crops with Natural Amorphous Silica which is an essential element in plant nutrition. It is made from natural minerals from the mines of Rajasthan.

Plant available silicon (Si (OH)4)	0.08 (min.)
pH	7.5 (min.)
Moisture	12.0 (max.)

### Benefits:

- Silicon is useful in increasing Biomass and Essential Nutrients uptake.
- Enhances yield in all types of crops like Cereals, Wheat, Soybean, Fruits, Vegetable and Sugarcane etc.
- Strengthens cell walls so that, it protects the plant from fungal diseases, insect, pest attacks.
- Improves plant strength, health and productivity & improves drought and frost resistance.
- Protects from Biotic and Abiotic stress and improves tolerance to toxic metals.
- In the presence of water, amorphous silica forms silicic acid which is readily available to plants.

**Usage:** All Types of Crops, Vegetable, Fruits along with Horticulture Crops.

**Dosage:** 50 Kg. /Acre

**Packaging:** 50 Kg. Bags

### GYPSUM MINERAL (Granules)

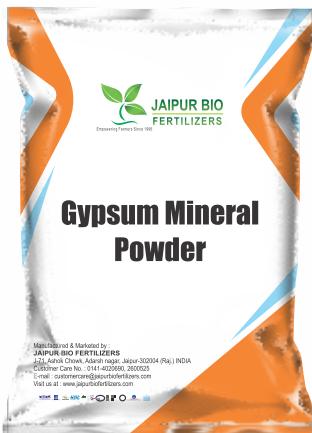


Gypsum granules are commonly used in agriculture to improve soil structure, enhance water infiltration, and reduce soil compaction. They provide a rich source of calcium and sulfur, two essential nutrients that support plant growth, strengthen cell walls, and aid in root development. Gypsum also helps in the reclamation of sodic soils by replacing sodium with calcium, improving soil tilth and preventing erosion. It is a cost-effective, environmentally friendly soil amendment that promotes healthier crops, increased yield, and better nutrient uptake.

#### **Benefits:**

- Improves Soil Structure: Enhances soil aeration and water infiltration, reducing compaction.
- Nutrient Supply: Provides essential calcium and sulfur for plant growth.
- Reclaims Sodic Soils: Replaces sodium with calcium, improving soil quality.
- Boosts Crop Yields: Promotes better root development and overall plant health.
- Prevents Erosion: Strengthens soil, reducing the risk of erosion.
- Cost-Effective: An affordable, natural soil amendment for sustainable farming.
- Improves Nutrient Uptake: Helps plants better absorb other nutrients from the soil.

### GYPSUM MINERAL (Powder)

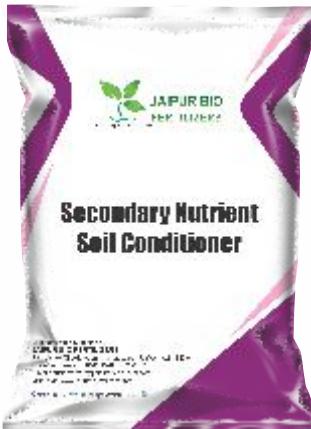


Gypsum powder is widely used in agriculture to improve soil health by enhancing structure, aeration, and drainage while reducing compaction. It provides essential nutrients like calcium and sulfur, which promote strong plant growth, disease resistance, and better nutrient uptake. Gypsum helps reclaim sodic soils by replacing sodium with calcium, improving soil quality and reducing salinity. It also neutralizes acidic soils and prevents surface crusting, which reduces erosion. Cost-effective and natural, gypsum powder is a valuable amendment for increasing crop yields and promoting sustainable farming practices.

#### Benefits:

- Improves Soil Structure: Enhances aeration, drainage, and reduces compaction.
- Nutrient Source: Provides calcium and sulfur, vital for plant growth and disease resistance.
- Reclaims Sodic Soils: Reduces soil salinity by replacing sodium with calcium.
- Boosts Crop Yield: Promotes healthy root development and stronger plant growth.
- Improves Soil pH: Helps in neutralizing acidic soils.
- Prevents Erosion: Reduces surface crusting, preventing soil erosion.
- Cost-Effective: A low-cost, natural solution for improving soil fertility.

# SECONDARY NUTRIENT FERTILIZER

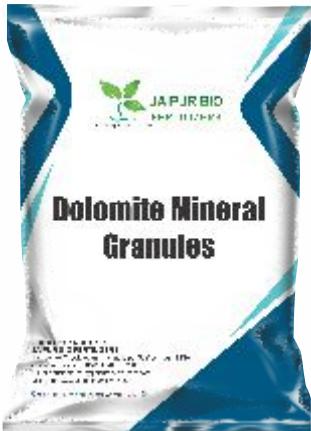


Secondary nutrient fertilizers supply essential nutrients like calcium, magnesium, and sulfur, which are vital for plant growth but needed in smaller amounts than primary nutrients. These nutrients support important plant functions, such as strengthening cell walls (calcium), aiding in photosynthesis and chlorophyll production (magnesium), and contributing to protein synthesis and disease resistance (sulfur). By correcting deficiencies, secondary nutrient fertilizers improve crop quality, enhance yield, and promote overall plant health. They are crucial for maintaining balanced soil fertility and ensuring healthy, productive crops in the agriculture sector.

### Benefits:

- Calcium: Strengthens cell walls, improves root development, and enhances nutrient uptake.
- Magnesium: Vital for chlorophyll production, aids photosynthesis, and promotes strong growth.
- Sulfur: Essential for protein synthesis, increases disease resistance, and improves crop quality.
- Prevents Nutrient Deficiencies: Corrects imbalances and supports overall plant health.
- Improves Crop Yield: Enhances plant growth and productivity.
- Soil Fertility: Maintains balanced soil nutrient levels for sustained agricultural productivity.
- Boosts Plant Resilience: Increases tolerance to stress and environmental factors.

### DOLOMITE MINERAL (Granules)



Dolomite is used in agriculture to improve soil health by neutralizing acidic soils and balancing pH levels, which enhances nutrient availability for plants. It provides essential nutrients like magnesium and calcium, promoting better plant growth, photosynthesis, and root development. Additionally, dolomite improves soil structure by reducing compaction, improving drainage, and supporting aeration. It prevents nutrient deficiencies, boosts crop yield and quality, and is an affordable, natural option for both conventional and organic farming.

#### Benefits:

- Soil pH Regulation: It helps neutralize acidic soils, improving pH balance for better plant growth.
- Nutrient Supply: Provides essential nutrients, particularly magnesium (important for chlorophyll production) and calcium (vital for cell structure and root development).
- Improved Soil Structure: Enhances soil aeration and drainage, reducing compaction and promoting root growth.
- Nutrient Efficiency: Balances soil nutrients, preventing deficiencies of magnesium and calcium, leading to healthier plants.
- Cost-Effective: A natural, affordable option for improving soil fertility and promoting sustainable farming practices.
- Organic Farming: Approved for use in organic farming to enhance soil quality without synthetic chemicals.

## APPLE GENIE - LIQUID



**Apple Genie** is a revolutionary Organic Special Product, which increases yield and improves the quality of the produce. It comes under the category of Low Volume & High Efficiency input, which on application through soil or foliar spray gets integrated into plant metabolism and enhances protein synthesis. It also increases enzymatic activity and encourages balanced hormonal synthesis that results into better root development, increased biomass and higher grain & fruit yields.

**Ingredients:** Nitrogen, Potassium, Organic Carbon, Calcium, Sulphur, Magnesium & various Micronutrients

**Benefits:**

- Increases yield by 25 - 30%
- Induces flowering and fruit setting and reduce flower & fruit drop.
- It also improves fruit shape, quality & colour.
- Improves Protein synthesis & uptake of macro and micro Nutrients.
- It promotes chlorophyll synthesis that increases photosynthesis activity.
- It enhances immunity & helps to withstand stress conditions.
- It promotes better root development and ensures higher nutrient and water uptake.

**Dosage:** 1 Liter / Acre

# NEWTRAMIN<sup>TM</sup>



**Newtramin** is a revolutionary Organic Bio-Stimulant, which increases yield and improves the quality of the produce. It comes under the Category of Low Volume & High Efficiency Input, which on application thorough soil or foliar spray gets integrated into plant metabolism and enhances protein synthesis, increases enzymatic activity and encourages balanced hormonal synthesis that results into better root development, increased biomass and higher grain & fruit yields.

### Benefits:

- Increases yield by 25-30%; Saves 25 % chemical fertilizers.
- Induces flowering and fruit setting and reduce flower & fruit drop.
- Improves fruit size, quality & colour.
- Improves Protein synthesis & uptake of macro and micro Nutrient.
- Higher chlorophyll synthesis increases photosynthetic activity.
- Enhances immunity & helps to withstand stress conditions.
- Better root development ensures higher nutrient and water uptake.
- Improves chemical fertilizers use efficiency.
- Better health and growth of crop provides extra protection against insect pest and diseases.
- Provides essential micro nutrient through biological route, therefore minimizes the requirement of micro nutrient application.
- Compatible with all pesticides and fungicides.

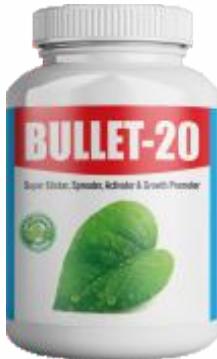
**Dosage:** Liquid: 500ml-1000ml/Acre

**Packaging:** Liquid: 500ml & 1000ml Bottle

**Dosage:** Powder: 0.5-1 Kg./Acre

**Packaging:** Powder: 1Kg Poly Pouch

### BULLET -20



**Bullet-20** is an Organic Silicon Super Spreader that is used in agriculture as an adjuvant or a tank mix for foliar spray as well as soil application. It improves product efficiency by 30% and reduces overall production cost by 25-30%. This bio stimulant increases yield by 15 to 20%.

**Usage:** It can also be used with any acidic or alkaline pesticides or fertilizers; Organic Silicon Super Spreader does not react with any of active ingredient as like other normal silicon spreader.

**Dosage:** 1ml x 15 Liter of water. However, the quantity of Bullet-20 will depend upon the application.

### SS-20

**SS-20** is a non - ionic silicon super spreader that is used in agriculture as an adjuvant and a tank mix for foliar spray as well as soil application. SS-20 reduces the surface tension to a very low level resulting in a rapid wetting cum spreading on leaves.

#### Product USP:

- |                  |             |
|------------------|-------------|
| • Super spreader | • Activator |
| • Penetrator     | • Sticker   |

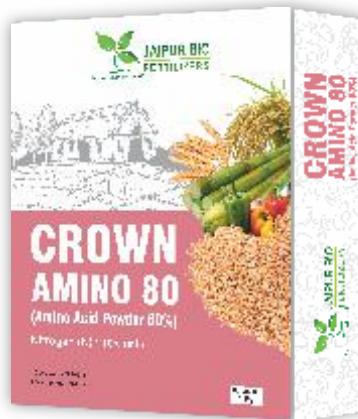
**SS-20** is a superior wetting agent, developed to improve the wetting, spreading and penetration of chemicals. SS-20 reduces the surface tension to a very low level resulting in a rapid wetting cum spreading on leaves. When incorporated in formulations, near complete coverage of leaf is achieved. The product facilitates uptake of chemicals into the plant tissue.



**Dosage:** 5 ml in 15 Liter of water. However, the quantity of SS-20 will depend upon the application; it is recommended that evaluations begin at 0.10% of the total formulation.

**Packaging:** 250 ml, 500 ml HDPE Bottle

## CROWN AMINO 80



Crown Amino 80 is an essential amino acid having plant proteins like L-Glycine, L-Glutamic Acid, etc which are very effective chelation agents and helps in absorption and transportation of nutrients inside the plants. Our product contains 18 types of free amino acids which provide the plants with organic nitrogen. It acts as a efficient plant growth promoter which can be applied on a wide variety of crops.

### **Benefit:**

- Helps in better crop spread.
- Induces flowering and reduces flower drop.
- Improve fruit setting and reduces fruit drop.
- Improves fruit size, colour and quality.
- Advances maturity and increases the keeping quality.
- Provides drought resistance.
- Increases yield to significant etc.

### **Application:**

**For Foliar Application:** 1-2 gram per liter of water.

**Soil Application:** Dilute it as 1:3000-4000 in water.

- It can be mixed with most of the nutrient solutions and pesticides.
- Nevertheless, take a miscibility test before the first application.

<b>Composition</b>	
Nitrogen	10% (min.)
pH	4.5-6.5
Solubility	Soluble in Water

## ROOT POWER



**Root Power** is obtained by alkaline extraction of lignite or brown coal or leonardite and is used as a soil conditioner. Super Potassium humate is a kind of efficient organic potash, it can improve soil rapidly available potassium content, reduce potassium loss and fixed, increased crop to absorption and utilization rate also has the soil amelioration, promote crop growth, increase crop resilience, improve crop quality, protect the agricultural ecological environment.

**Benefits:**

- Stimulates plant growth
- Soil conditioner Improve the soil structure
- Fertilizer efficiency promoter.
- Increase capacities of water holding and cation exchange
- Reduce pesticide residue
- Prevent soil from contamination of heavy metallic ions
- Chelates metal ions under alkaline conditions

**Dosage:**

- **Soil Application :** 250-500 gram/Acre depends upon crop
- **Foliar Application :** 100-125 gram/Acre

Composition & Properties	
Particulars	Content
Appearance	Shiny Powder
Color	Blackish Brown
Doour	Characteristic
Solubility	98% min.
Humic Acid (Dry Basis)	40-60%

## CROWN SEAWEED EXTRACT



Seaweed Extract Flakes provides all essential nutrients and elements for the balanced growth of crops. Seaweed Extract develops the taste, color, and quality of fruits. It is used for overall support to achieve healthy growth and offers 100% food for the plants. Last but not least it fertilizes the soil to a great extent. The extract is excellent for crops such as grapes, citrus, pomegranate, banana, and all types of fruits and vegetables, home gardens, floriculture, etc.

### **Benefits:**

- It improves both the growth and productivity of Agricultural crops by increasing nutrients availability and uptake.
- It improves tolerance ability of plants from abiotic stress.
- It stimulates flowering and the overall growth of crops.
- It stimulates chlorophyll synthesis as well as new tissue generation.
- Provides additional energy for better yield.

### **Composition:**

Contents	Standards
Colour	Brown/Black
Odour	Marine Like
Solubility	100%
Total Nitrogen	1.0% - 2%
Phosphorous	6% - 8%
Potassium	16% - 18%
Alginic Acid	16% (Min.)

### **Dosage:**

- Foliar Spray: Approximately, dilute 10gm of Seaweed Flakes in 15 Liter of water and spray using foliar spray on both sides of the leaves using a knapsack sprayer in the early morning.
- Soil Application: Dissolve 500 gm of Seaweed Flakes in 500-liter water. Drench uniform in one-Hectare land.

## CROWN ACARI 80



**Sulphur 80% WDG** is a wettable fungicide and insecticide suitable to be used in organic gardens and has an exceptionally low level of toxicity. It is used to control mites and a range of fungal disorders including powdery mildew, rust, and brown rot. It can be applied until harvest, except for wine grapes and is best suitable for most plants including vegetables, fruits, vines, and ornamental plants etc. It is a safe fungicide and miticide to overcome powdery mildew, rust and mites in plant.

### Recommendation:

Crop	Disease Problem	Dosage/Acre
Vegetables beans, Chilies, Onion, Peas, Bhindi, Cucurbits	Powdery Mildew	500-1000 gm
Mango flowers, Citrus, Grapevine, Ornamentals	Powdery Mildew	1000-1500 gm
Grapevine in flower, fruiting	Powdery Mildew	750-1000 gm
Vegetables, Fruit stakes, Jower, Cotton, Mango, Sugarcane, Coconut	Red Spider Mite	500-1500 gm

### Benefits:

- Sulphur 80% WDG is a dust free, flowable micronized sulphur granules that eases measuring & handling.
- It has instant dispersion and high suspensibility in water, therefore it doesn't cause scorching.
- It has triple action as fungicides, micronutrient (Sulphur) and miticide.
- There are no stains on fruits & leaves after spraying, nor do leaves get burnt.

**Packaging:** 1Kg. Poly Pouch

**Application:** Soil & Foliar

## SULF - 40



**SULF-40** is a suspension concentrate in colloidal form with particle size less than 3 micron. It works excellent against fungi and mites. Spores of powdery mildew are made up of carbohydrate surrounded by layer of oil globule. When Sulf-40 comes into contact with oil globules, it breaks oil globules easily and reacts with carbohydrate that kills the spores of powdery mildew easily.

Technical Specification	
Sulphur Content (S)	40%
pH	5 - 9
Dose	1 ml / Liter

### Benefits:

- Fungicide, Acaricide & Growth Promoter
- Controls Powdery Mildew and Sulphur Deficiency of various crops
- Multi-site contact action Fungicide
- It has no scorching effect on tender leaves, berries or fruits. It is recommended to use in cucurbit crops even when day temperature is higher.

## SULF-55

**SULF-55** is a suspension concentrate in colloidal form with particle size less than 3 micron. It works excellent against fungi and mites. It stimulates plant growth by increasing photosynthesis and improves the color of fruits and leaves.

Technical Specification	
Sulphur Content (S)	55.16%
pH	5 - 9
Dose	1 ml / Liter

### Benefits:

- SULF - 55 has triple action on crop; It can work as effective growth promoter, powerful fungicide and versatile acaricide.
- It increases chlorophyll in plant & reduces yellowish color of plant.
- Multi-site contact action Fungicide.
- Recommended for organic farming.





## CROWN NEEM 300

**Crown Neem 300** is a Neem oil based EC containing Azadirachtin of 0.3%. It is formulated to provide broad spectrum insect control with very low environmental impact. This Neem Oil is NON-TOXIC to honeybees and many other beneficial insects.

### Mode of Action :

- Anti-Feedant
- Insect Growth Regulator
- Anti-Ovipository & Repellent

### Benefits:

- Crown Neem 300 contains azadirachtin 300ppm that controls wide range of pests including white flies, aphids, thrips, mealy bugs, caterpillars, leafhoppers etc.
- It controls target pests effectively.
- Crown Neem 300 is safe to beneficial insects of parasites, predators and honeybees.
- Crown Neem 300 should be used as prophylactic and also potentiate with chemical pesticides as a curative agent.
- It acts as Anti-feedent, Repellent, oviposition deterrent and insect growth suppressor.
- It is organic, non-toxic and safe to natural enemies.

## CROWN NEEM 1500



**Crown Neem 1500** is a Neem oil based EC containing Azadirachtin of 0.15%. It is formulated to provide broad spectrum insect control with very low environmental impact. This Neem Oil is NON-TOXIC to honeybees and many other beneficial insects.

### Mode of Action :

- Anti-Feedant
- Insect Growth Regulator
- Anti-Ovipository & Repellent

### Benefits:

- Crown Neem 1500 contains azadirachtin 1500ppm that controls wide range of pests including white flies, aphids, thrips, mealy bugs, caterpillars, leafhoppers etc.
- It controls target pests effectively.
- Crown Neem 1500 is safe to beneficial insects of parasites, predators and honeybees.
- Crown Neem 1500 should be used as prophylactic and also potentiate with chemical pesticides as a curative agent.
- It acts as Anti-feedent, Repellent, oviposition deterrent and insect growth suppressor.
- It is organic, non-toxic and safe to natural enemies.





## CROWN NEEM 3000

**Crown Neem 3000** is a Neem oil based EC containing Azadirachtin of 0.3%. It is formulated to provide broad spectrum insect control with very low environmental impact. This Neem Oil is NON-TOXIC to honeybees and many other beneficial insects.

### Mode of Action :

- Anti-Feedant
- Insect Growth Regulator
- Anti-Ovipository & Repellent

### Benefits:

- Crown Neem 3000 contains azadirachtin 3000ppm that controls wide range of pests including white flies, aphids, thrips, mealy bugs, caterpillars, leafhoppers etc.
- It controls target pests effectively.
- Crown Neem 3000 is safe to beneficial insects of parasites, predators and honeybees.
- Crown Neem 3000 should be used as prophylactic and also potentiate with chemical pesticides as a curative agent.
- It acts as Anti-feedent, Repellent, oviposition deterrent and insect growth suppressor.
- It is organic, non-toxic and safe to natural enemies.

## CROWN NEEM 10000



**Crown Neem 10000** is a Neem oil based EC containing Azadirachtin of 1.0. It is formulated to provide broad spectrum insect control with very low environmental impact. This Neem Oil is NON-TOXIC to honeybees and many other beneficial insects.

### Mode of Action :

- Anti-Feedant
- Insect Growth Regulator
- Anti-Ovipository & Repellent

### Benefits:

- Crown Neem 10000 contains azadirachtin 10000ppm that controls wide range of pests including white flies, aphids, thrips, mealy bugs, caterpillars, leafhoppers etc.
- It controls target pests effectively.
- Crown Neem 10000 is safe to beneficial insects of parasites, predators and honeybees.
- Crown Neem 10000 should be used as prophylactic and also potentiate with chemical pesticides as a curative agent.
- It acts as Anti-feedent, Repellent, oviposition deterrent and insect growth suppressor.
- It is organic, non-toxic and safe to natural enemies.



# GIBRAMIN<sup>TM</sup>



**GIBRAMIN** is a CIBRC registered Gibberellic Acid 0.001% which is highly effective plant growth regulator. It is available in liquid form as the active ingredient. It acts synergistically with plant metabolism and accelerates the growth function of the plant. It also increases the physiological efficiency of the crop by stimulating the hormonal and enzymatic activities. And finally It increases the yield and quality of crop produce.

### Benefits:

- Increases plant growth and crop yield
- Helps in making bigger leaves and root system.
- Improves plant health and sustained productivity.
- Enhances photosynthesis and plant metabolism.

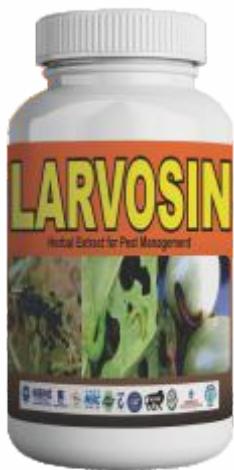
### Method of Application:

- Spray uniformly to plants/crop so as to cover crop canopy fully.
- Gibberellic acid should be sprayed during the cool hours of the day.
- Repeat the application if there is rain within six hours of spraying.

### Target Crops:

Grain crops, vegetable crops, oilseeds crops and fruit crops including Sugarcane, Cotton etc.

### LARVOSIN



**LARVOSIN** is a biotechnologically developed herbal product that provides effective protection against wide range of insect pests such leaf eating caterpillars, fruit and shoot borer, aphids, jassids, thrips etc. **LARVOSIN** also acts as phytotonic enhancing the plant's internal defense mechanism, increases immunity and resistance against sucking pests.

**Crops :** All cereals, pulses, millets such as rice, wheat, tur, soybean, cotton, Jowar. All vegetable crops such as Tomato, chilli, brinjal, onion, potato, all cucurbit crops, cauliflower etc and fruit crops such as citrus crops, pomegranate, Guava, sapota, green house crops and floriculture crops.

**Dose :** 2ml per liter of water as foliar spray at 10-12 days interval starting from the vegetative phase till fruit/ grain/ pod formation or immediately as the pests becomes visible but much before flowering and fruiting starts.

**Dosage - 400ml / Acre per Spray| Packaging:** 250ml. Bottle

### FUNGOSIN

**FUNGOSIN** is a biotechnologically developed herbal product that provides effective protection against large range of fungal and bacterial diseases such as seed and soil borne diseases, like root rot, seedling rot, wilts etc, other diseases such as downy and powdery mildew, blights, rots, leaf spots, anthracnose etc.

**FUNGOSIN** can be used as seed / seedling root treatment, sugarcane sett treatment, tuber treatment and rhizome treatments, soil drenching. For over ground diseases **FUNGOSIN** is applied as foliar spray.

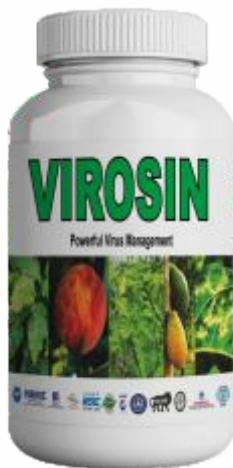
**Crops :** All cereals, Millets, Grain Crops, Pulses, Oilseeds, Cotton, Vegetables, Potato, Sugarcane, Ginger, Fruit crops such As Pomegranate, Citrus Crops, Sapota, Oranges, Green House Crops, Green house with Soil drenching and Floriculture crops.

**Dose :** 1-2 ml per liter of water for foliar spray and soil drenching, Mix 2 ml per liter of water for seed treatment and 2-3 ml per liter of water for tuber/ rhizome/ sugarcane sett treatment.

**Dosage : 250ml / Acre per spray| Packaging:** 250ml. Bottle



### VIROSiN



Virosin is a unique Combination in controlled proportions of herbal extracts which control diseases caused by viruses, fungus, bacteria and nutritional deficiencies up to large extent. It boosts natural disease resistance power in plants and stops propagation of virus into the next cell thus, control virus replication and suppress viral diseases symptoms.

- Broad Spectrum Product
- Works on all crops and plants

**Diseases Controlled:** Yellow leaf Curl virus, yellow vein virus, ringspot virus, rattle virus, pox virus, yellow dwarf luteoviruses, sheath blight, streak mastrevirus, mosaic virus, mild mottle virus, spotted wilt virus, YUMV, purple blotch, bacterial leaf spot, powdery mildew, downy mildew, dieback, sooty mould, early blight, late blight etc.

**Dose :** Mix 10-15 ml. of Anti-Viral Solution in 15 liter of water to prevent crop and plants in early stage. 1-2 ml. of Anti-Viral Solution to be mixed in per liter of water and sprayed directly on leaves having severe viral disease.

**Dosage :** 250ml / Acre per Spray | **Packaging :** 250ml. Bottle

### RAKSHAK

Rakshak is based on Ancient India Viraksha Ayurvedic Formula. It boosts natural disease resistance power in plants, provides plants and crops with strength and controls various types of insects and diseases.

#### Diseases Controlled :

- IPM- Integrated Pest Management Product
- Control Bacterial & Fungal Infections
- Controls Virus Attacks
- Broad Spectrum- controls everything almost except white fly

#### Benefits :

1. It is a Preventive product & not a Curative one.
2. Totally non-toxic, chemical free, safe and eco-friendly yet, more effective and economical than the chemical sprays.
3. Requires only 2 to 3 sprays per season against 10-15 chemical sprays thus, substantially cuts cost on labour and input.

**Dosage :** 250ml / Acre per Spray | **Packaging :** 250ml. Bottle





Empowering Farmers Since 1996

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