JIVANT™

BIOTECH LLP

From Soil health to crop wealth

A NEW LEAP
FOR EVERY FARM,

THE FARMER'S PROSPERITY-OUR HALLMARK.





www.jivantbiotech.com

JIVANT™
BIOTECH LLP
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About Us:

JIVANT BIOTECH LLP is an agricultural solutions company engaged in the manufacturing of innovative, science-driven products designed to enhance plant nutrition, optimize crop performance, and promote sustainable agricultural productivity.

Our product portfolio encompasses Water-Soluble Fertilizers, Plant Growth Regulators (PGRs), Biostimulants, Microbial and Biological Products, EDTA-Based Micronutrients, and Suspension Fertilizers. Each product category is developed with a focus on effective nutrient delivery, plant physiological processes, soil health, and the evolving requirements of modern agriculture.

At JIVANT BIOTECH LLP, we believe that the future of agriculture lies in combining scientific innovation with responsible farming practices. Our commitment is to contribute to healthier soils, stronger crops, and a more productive and sustainable agricultural ecosystem.



OUR MISSION :

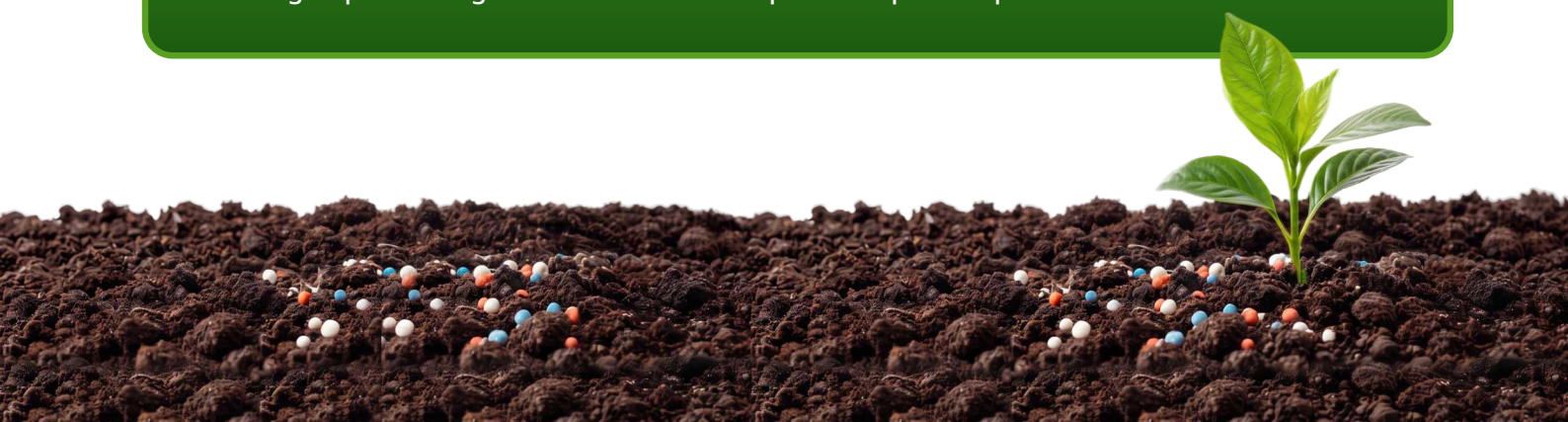
To Empower Agriculture Through Science and Innovation. Our mission is to develop and manufacture high-quality agricultural inputs that improve nutrient availability, support plant growth and development, enhance crop performance, and contribute to soil health. We strive to deliver scientifically informed, performance-oriented solutions through continuous innovation, Strength quality practices and a customer-centric approach. By working towards the evolving needs of farmers and agricultural professionals, we aim to create lasting value for agriculture while promoting efficient resource utilization and responsible farming practices.

OUR VISION :

To Shape the Future of Sustainable Agriculture. Our vision is to establish JIVANT BIOTECH LLP as a trusted and recognized name in agricultural nutrition, plant health, and biological solutions through scientific advancement, product quality and continuous innovation. We aspire to contribute to a future where advanced crop nutrition, innovative plant growth technologies and beneficial biological solutions work together to support productive farming systems, healthier soils, and sustainable agricultural development. Through knowledge, innovation, and a commitment to excellence, we aim to create a meaningful impact across the agricultural value chain.

OUR COMMITMENT :

Scientific Innovation: Applying scientific principles to agricultural product development. ***Quality Excellence:*** Emphasizing formulation consistency, product quality, and appropriate quality-control practices. ***Agricultural Productivity:*** Developing solutions aligned with the nutritional and physiological requirements of crops. ***Soil & Plant Health:*** Supporting integrated approaches to soil fertility, plant nutrition, and biological activity. ***Sustainable Agriculture:*** Promoting responsible nutrient management and efficient agricultural resource utilization. ***Farmer-Centric Approach:*** Focusing on practical agricultural needs and dependable product performance.

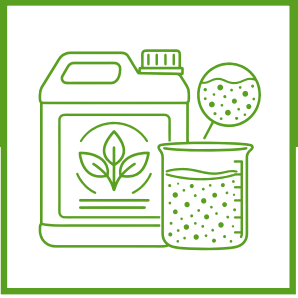


DIVERSIFIED PRODUCT PORTFOLIO



Water-Soluble Fertilizers

Advanced nutrient formulations designed to support precise crop nutrition, efficient nutrient delivery, and healthy plant development.



Suspension Fertilizers

Specialized formulations designed to regulate plant physiological processes and support crop growth, development, and reproductive performance, depending on the active ingredients.



EDTA-Chelated Micronutrients

Innovative formulations designed to support plant vigor, nutrient-use efficiency, and tolerance to abiotic stress, depending on the product composition and supporting evidence.



Plant Growth Regulators (PGRs) & Biostimulants

Specialized liquid formulations containing suspended nutrient particles, developed to deliver concentrated plant nutrients with appropriate formulation stability and application characteristics.



Microbial & Biological

Agricultural solutions incorporating beneficial microorganisms and biological components to support soil biological activity, nutrient cycling, and plant–soil interactions.

Water Soluble Fertilizers

- N:P:K 19-19-19
- N:P:K 13-00-45
- Calcium Nitrate
- N:P:K 00-52-34
- N:P:K 12-61-00
- Zinc Sulphate-33%
- N:P:K 00-00-50
- N:P:K 00-00-23
- Sulphur 90%

Suspension Grade

- JIV 25-25-25
- JIV CBZ
- JIV 03-50-50
- JIV 00-60-20
- JIV 11-11-08 (Zn&B)
- JIV-Z (Zinc-39.5%)
- JIV Calcium Thiosulphate
- JIV Silvex (Silicone Sticker)
- JIV Ortho Phosphoric Acid-85%

Chealeted EDTA

- Boron-20%
- Copper EDTA-12%
- Manganese EDTA-10%
- Mix Micronutrient EDTA
- Iron EDTA-12%
- Zinc EDTA-12%
- Calcium EDTA-9%
- Magnesium EDTA-5%

Microbial & Biological Products

- NPK_Consortia Bacteria **(Bactojiv)** (Liquid)
- Mycorrhiza GR VAM Biofertilizer **(Mycorrhiza Shield)** (Granules)
- Zinc Solubilizing Bacteria (ZSB) **(Sudojiv)** (Liquid)
- Zinc Solubilizing Bacteria (ZSB) **(Sudojiv)** (Powder)
- Vesicular Arbuscular Mycorrhizal (VAM) **(MYCOJET)**
- Potassium Mobilizing Bacteria **(Potajiv)** (Liquid)
- N-Fixer-Azotobacter **(Nitrojiv)** (Liquid)
- Phosphorus Solubilizing Bacteria **(Phosjiv)** (Liquid)
- Phosphorus Solubilizing Bacteria **(Phosjiv)** (Powder)
- Vesicular Arbuscular Mycorrhizal (VAM) **(MYCOJIV)**

Plant Growth Regulators (PGR)

- Humic Acid-98% **(Humijiv)**
- Homo Brassinolide 0.03% **(Brojiv)**
- Rhodophytes Potash **(K-JIV)**
- Humic Acid-1.5% **(Grojiv)** (Granules)
- Jalak
- Neem Oil **(Nim Jiv)**
- Black Splinter
- Moljiv



Water Soluble Fertilizers





19:19:19

Description & Key Benefits :

- It ensures balanced nutrition for all growth stages, promotes vigorous growth, enhances root development, improves flowering and fruiting, and helps maximize crop yield and quality. Suitable for fertigation and foliar application in all crops.
- Provides Balanced Nutrition Throughout All Growth Stages.
- Promotes Strong Root Development and Vigorous Vegetative Growth.
- Improves Crop Yield, Quality, and Marketable Produce.
- Enhances Flowering, Fruit Set and Crop Maturity

Dosage :

Foliar Spray: 5-8 gm per 1 litre of water

Drip Irrigation / Fertigation :

4 kg per acre depending on crop stage

Packing :

1 Kg | 25 Kg

Nutrient	Content
Total nitrogen (ammoniacal & urea) per cent by weight, minimum	*19.0%*
Available phosphorous (as P_2O_5) per cent by weight, minimum	*19.0%*
Water soluble potassium (as K_2O) per cent by weight, minimum	*19.0%*



00:52:34 (મોનો પોટેશિયમ ફોસ્ફેટ-MKP)

Description & Key Benefits :

- Its formulation ensures efficient nutrient uptake and safe use across crops. It promotes strong root growth, uniform flowering, improved fruit setting, better crop quality and higher yields. Suitable for fertigation & foliar application during flowering, fruiting and maturation stages.
- High phosphorus content promotes strong root establishment and healthy plant growth.
- Encourages early flowering, better fruit set and increased crop yield.

Dosage :

Foliar Spray : 5-8 gm per 1 litre of water

Drip Irrigation / Fertigation :

4 kg per acre depending on crop stage

Packing :

1 Kg | 25 Kg

Nutrient	Content
Water soluble phosphorous (as P_2O_5) per cent by weight, minimum	*52.0%*
Water soluble potassium (as K_2O) per cent by weight, minimum	*34.0%*



12:61:00 (મોનો એમોનિયમ ફોસ્ફેટ-MAP)

Description & Key Benefits :

- Specially formulated to promote rapid root growth, vigorous vegetative development, and early flowering. High purity and excellent solubility ensure efficient nutrient uptake through fertigation and foliar application, improving crop vigor and productivity across all crops and soil types.
- Promotes strong root development and early plant establishment.
- Encourages vigorous vegetative growth and timely flowering.
- Improves flower retention, fruit set, and crop uniformity.

Dosage :

Foliar Spray : 5-8 gm per 1 litre of water.

Drip Irrigation / Fertigation :

4 kg per acre depending on crop stage.

Packing :

1 Kg | 25 Kg

Nutrient	Content
Ammoniacal nitrogen per cent by weight, minimum	*12.0%*
Water soluble phosphorous(as P_2O_5) per cent by weight, minimum	*61.0%*



13:00:45 (પોટેશિયમ નાઈટ્રેટ)

Description & Key Benefits :

- Specially formulated to promote Vigorous vegetative and reproductive development with higher flowering and fruit setting. High purity and excellent solubility ensure efficient nutrient uptake through fertigation and foliar application, improving crop vigor & productivity across all crops and soil types.
- Provides readily available nitrogen and potassium for balanced plant growth.
- Promotes vigorous vegetative growth, flowering and fruit development.
- Improves fruit size, colour, taste & overall market quality.

Dosage :

Foliar Spray : 5-8 gm per 1 litre of water.

Drip Irrigation / Fertigation :

4 kg per acre depending on crop stage.

Packing :

1 Kg | 25 Kg

Nutrient	Content
Water soluble potassium (as K_2O) per cent by weight, minimum	*45.0%*
Total nitrogen (all in Nitrate form) per cent by weight, minimum	*13.0%*



00:00:23:11 (પોટેશિયમ શોનાઈટ)

Description & Key Benefits :

- It provides a balanced supply of potassium, magnesium and sulphur to support healthy plant growth, improve chlorophyll formation, enhance flowering and fruit development and increase crop yield and quality. It is chloride-free and ideal for fertigation and foliar application in all crops.
- Supplies Potassium, Magnesium and Sulphur in a Highly Available Form.
- Promotes Vigorous Growth, Flowering and Fruit Development.
- Improves Fruit Size, Colour, Quality and Shelf Life.

Dosage :

Foliar Spray : 5-8 gm per 1 litre of water.

Drip Irrigation / Fertigation :

4 kg per acre depending on crop stage.

Packing :

1 Kg | 25 Kg

Nutrient	Content
Water-soluble potassium (as K_2O) per cent by weight, minimum	*23.0%*
Magnesium (as MgO) per cent by weight, maximum	*11.0%*



00:00:50 (પોટેશિયમ સલ્ફેટ-SOP)

Description & Key Benefits :

- High-purity formulation ensures efficient nutrient uptake through fertigation and foliar application. It promotes better flowering, fruit development, improved crop quality, enhanced colour, sweetness, shelf life and higher yields. Suitable for all chloride-sensitive crops and all soil types.
- Promotes larger fruits with better colour, taste and market quality.
- Enhances flowering, fruit filling and crop maturity.
- Improves plant tolerance to stress and disease.

Dosage :

Foliar Spray : 5-8 gm per 1 litre of water.

Drip Irrigation / Fertigation :

4 kg per acre depending on crop stage.

Packing :

1 Kg | 25 Kg

Nutrient	Content
Water-soluble potassium (as K_2O) per cent by weight, minimum	*50.0%*



CALCIUM NITRATE (Ca-18.5% | N-14.5%)

Description & Key Benefits :

- Calcium Nitrate is an FCO 1985 Schedule 1(I) compliant granular fertilizer containing 18.5% minimum water-soluble Calcium and 15.5% minimum total Nitrogen. Calcium Nitrate dissolves quickly in water and is free from chloride, sodium and other harmful elements.
- Improves root development and supports stronger crop growth.
- The nitrate form of nitrogen provides immediate plant availability.
- Enhances fruit colour, size, firmness and overall quality. Helps control blossom-end rot, bitter pit and fruit cracking.

Dosage :

Foliar Spray : **Drip Irrigation / Fertigation :**

4 to 8 kg per acre depending upon crop stage & type.

Packing :

25 Kg

Nutrient	Content
Water soluble calcium (as Ca) Per cent bey weight, minimum	*18.50%*
Nitrate Nitrogen as N per cent by weight, minimum	*14.50%*



ZINEGROW (Zinc Sulphate Mono Hydrate - 33%)

Description & Key Benefits :

- Zinc Sulphate Monohydrate ($ZnSO_4 \cdot H_2O$) is a highly water-soluble micronutrient fertilizer used extensively in agriculture. It typically contains 33% Zinc (Zn) and 15% Sulphur (S). Because it has only one water molecule attached to its structure (monohydrate), it dissolves rapidly, making these essential nutrients immediately bioavailable to plants.
- Supports enzyme activity and growth hormone production.
- Promotes chlorophyll production and greener leaves.

Dosage :

- **Foliar Spray:** 5–10 gm/L water | Every 7–14 days | Early morning or late afternoon.

Packing :

05 Kg

- **Fertigation / Hydroponics:** 5–10 kg/acre or 5–10 g/L (hydroponics) | Weekly or as needed during flowering and fruiting. Dissolve completely before application.

Nutrient	Content
Zinc (Zn)	*33% Min.*
Sulphur (S)	*15% Min.*

Liquid Suspension Fertilizer





JIV 25:25:25 (Nano Emulsion Liquid Fertilizer)

Description & Key Benefits :

- JIV 25:25:25 Fertilizer is a complete plant food that provides all the essential nutrients your plants need to thrive. Our water-soluble fertilizer is specially formulated with Nitrogen (N), Phosphorous (P) and Potassium (K) to support vegetative growth, root development, flower formation and fruit ripening.
- Supports lush foliage, strong roots & sturdy stems.
- Promotes vibrant and beautiful blooms.

Dosage :

- **Foliar Spray :** 2-4 gm per 1 litre of water.
- **Drip Irrigation / Fertigation :**

  1 kg per acre depending on crop stage.

Packing :

1 kg | 5 kg

Specification (As per FCO)	Content
Nitrogen per cent by weight minimum	*13.2%*
Phosphorus as P2 05 per cent. by weight minimum	*13.2%*
Water Soluble Potassium as K20 per cent. by weight minimum	*13.2%*



JIV 00:60:20 (For Flowering & Fruiting)

Description & Key Benefits :

- JIV 00:60:20 is a water-soluble fertilizer containing 0% Nitrogen, 60% Phosphorus and 20% Potassium. Its gluconate formulation improves nutrient availability, supporting flowering, fruit setting and crop development with reduced nutrient lock-up.
- Gluconic acid-based formulation enables efficient nutrient absorption through leaves and roots. 60% phosphorus supports strong roots, flowering, and improved fruit setting. 20% potassium helps enhance fruit size, weight, color and Brix levels.

Dosage :

- **Foliar Spray**: 2–3 ml per 1 litre of water.
- **Drip Irrigation:** 2–5 litres per acre per application.
- **Soil Drenching:** 2.5–3 ml per litre of water.

Packing :

1 Ltr. | 5 Ltr.

Specification (As per FCO)	Content
Total Phosphorous as P2O5	*60.0%*
Total Potash as K2O	*20.0%*



JIV Calcium Thiosulfate

Description & Key Benefits :

- JIV Calcium Thiosulphate is a highly soluble liquid fertilizer that supplies readily available Calcium and Sulphur, supporting nutrient uptake, healthy crop growth, and overall plant development. Suitable for fertigation and foliar applications.
- **Dual Nutrient Supply:** Strengthens cell walls and supports protein synthesis.
- **Improves Soil Health:** Enhances soil structure and reduces salinity.
- **Boosts Nutrient Uptake:** Improves nitrogen and phosphorus absorption.
- **Enhances Fruit Quality:** Improves firmness, colour, shelf life, and disease resistance.

Dosage :

- **Foliar Spray :** 2 ml in 1 litre of water.
- **Drip Irrigation / Fertigation:** 1 litre per acre

Packing :

1 Ltr. | 5 Ltr.

Specification (As per FCO)	Content
Total Calcium (as Ca) percent weight	*Minimum 6.0*
Sulphur (as S) percent by weight	*Minimum 10.0*



JIV Ortho Phosphoric Acid 85%

Description & Key Benefits :

- JIV Orthophosphoric Acid 85% is a high-purity, concentrated phosphoric acid used in fertilizer production, phosphorus nutrition, pH adjustment and agricultural nutrient management. It supports nutrient availability, root development and healthy crop growth when properly diluted and applied.
- **Soil pH Management:** Helps reduce pH in suitable alkaline
- **Conditions.Fertilizer Production:** Used in manufacturing MAP, DAP, and TSP
- **Fertilizers.Phosphorus Nutrition:** Supplies phosphorus for root growth and
- **Flowering.pH Adjustment:** Regulates pH in irrigation and nutrient

Dosage :

- **Foliar Spray**: 2 to 3 ml per 1 litre of water.
- **Drip Irrigation:** 1 to 1.5 Liter per acre per application. (Depending upon crop stage)

Packing :

1 Ltr. | 5 Ltr.

Specification (As per FCO)	Content
Ortho Phosphoric Acid	*85.0%*



JIV CBZ (Fortified Calcium Boron Zinc Suspension)

Description & Key Benefits :

- JIV CBZ is a Calcium, Boron & Zinc Amino Acid Complex for foliar application that supports balanced nutrition, healthy growth, flowering, fruit setting and crop quality.
- Helps manage Calcium, Boron, and Zinc deficiencies.
- Supports strong cell walls and healthy plant structure.
- Promotes flowering, pollen development, and fruit setting.
- Supports fruit development, plant metabolism, and crop quality.
- Amino acids help complement efficient foliar nutrient uptake.

Dosage :

Foliar Spray : Mix about 1.5 to 3 ml per 1 litre of water.

Method Of Application: Spray evenly on Both upper and lower leaf surface during the early morning or late evening.

Packing :

1 Ltr. | 5 Ltr.

Specification (As per FCO)	W/W	W/V
Calcium as Ca	*21.00%*	*36.33%*
Boron as B	*0.10%*	*0.17%*
Zinc as Zn	*1.50%*	*2.59%*



JIV 11:11:08 (Zn&B)

Description & Key Benefits :

- **JIV 11:11:08** is a suspension concentrate, supplying nutrition to all crops, preventing nutritional deficiencies in general. **JIV NPK 11:11:08** is balanced formulation of nutrients in suspension concentrate, used for sustainable plant growth under stress conditions. **JIV NPK 11:11:08** stabilizes plant health by optimizing plant nutrition.
- Boosts early vegetative growth and root biomass.
- Improves flower retention and fruit setting.
- Corrects hidden micronutrient (Zinc and Boron) deficiencies.

Dosage :

Foliar Spray: 2 to 3 ml per 1 litre of water.

Drip Irrigation: 1 to 1.5 Liter per acre per application. (Depending upon crop stage)

Packing :

1 Ltr. | 5 Ltr.

Specification (As per FCO)	Wt/Wt
Total nitrogen, per cent by weight, minimum	*11.0%*
Water soluble phosphorus (as P_2O_3), per cent by weight, minimum	*11.0%*
Water soluble potassium (as K_2O), per cent by weight, minimum	*8.0%*



JIV 03:50:50

Description & Key Benefits :

- NPK Liquid Fertilizer JIV 03-50-50 is a nitrogen-free, potassium-rich liquid fertilizer designed to support flowering, fruit development, grain filling & ripening. Its fast-absorbing formula helps improve crop quality and stress tolerance.
- **Improved Crop Quality:** Enhances weight, size, colour and shelf life.
- **Stress Resistance:** Helps crops tolerate drought and lodging.
- **Better Nutrient Uptake:** Suitable for foliar spray and fertigation.
- **Enhanced Fruit Development:** Supports fruit sizing, filling and sugar translocation.

Dosage :

- **Foliar Spray :** 2 ml in 1 litre of water
- **Drip Irrigation / Fertigation:** 1 litre per acre

Packing :

1 Ltr. | 5 Ltr.

Specification (As per FCO)	Content
Water-soluble phosphorus (as P_2O_5) per cent by weight, minimum	*5.00%*
Water Soluble Potassium (as K_2O_5) minimum per cent by weight, minimum	*27.00%*



JIV-Z (Zinc-39.5%)

Description & Key Benefits :

- Micronutrients are essential for the crop growth and productivity.
- High concentrations of zinc for foliar application can penetrate with good mobility within the plant to prevent and treat zinc deficiency on a wide range of crop.

Dosage :

- **Foliar Spray**: 1 to 1.5 ml per 1 litre of water. Applied during active growth, vegetative stage, or when deficiency symptoms (such as leaf yellowing or stunted growth) appear.

Packing :

1 Ltr. | 5 Ltr.

Specification (As per FCO)	Content
Zinc (as Zn) percent by weight, minimum	*39.5%*

Chelated EDTA





BORON 20%

Description & Key Benefits :

- Due to boron deficiency newly emerging leaves become distorted/deformed.
- Leaves become thick and brittle then, leaf tips and margins start to dried.
- Flowering/fruit development is affected and various diseases observed like heart rot in sugarcane, hollow stem in cabbage, top rot in tobacco, yellowing disease in citrus and fruit cracking in lemon.
- Boron supports cell wall formation, sugar transport, and reproductive growth, ensuring strong plant structure, successful flowering, pollination, and fruit setting.

Dosage :

Foliar Spray: Dissolve 1 gm to 2 gm per 1 litre of water and spray evenly on leaves just before the flowering stage.

Drip Irrigation: Apply 250 gm to 500 gm per acre during critical growth stages.

Packing :

500 gm
1 Kg | 5 Kg

Specification (As per FCO)	Content
Boron (as B) per cent weight, minimum	*20.0%*



MIX MICRONUTRIENT EDTA

Description & Key Benefits :

- Due to micronutrient deficiency the leaf stalk (petiole) becomes curved, and the leaves do not develop properly. The leaves also become pale yellow and brittle. Improper shoot growth results in overall stunted plant growth. Increased flower drop, fruit cracking & poor fruit quality.
- Boosts overall plant growth, improves photosynthesis and enhances chlorophyll production.
- Enhances flowering, fruit setting & fruit quality.
- The plant becomes more resistant to diseases and environmental stress.

Dosage :

Foliar Spray: 0.7 gm to 1.6 gm per 1 litre of water.

Drip Irrigation/Fertigation/Drenching : 500 gm to 1 kg per acre.

Packing :

250 gm

Specification (As per FCO)	Content
Zinc (as Zn)	*4.0% min*
Iron (as Fe)	*2.0% min*
Manganese (as Mn)	*0.5% min*

Specification (As per FCO)	Content
Copper (as Cu)	*0.3% min*
Boron (as B)	*0.5% min*
Color & Form	*Green Micro Granule Powder*



CALCIUM EDTA 9%

Description & Key Benefits :

- Due to calcium deficiency The leaf stalk/petiole becomes curved and the leaves may fall off. New leaves at the shoot tips appear yellow. Stunted shoot growth. The leaf tips become cup shaped and leaf margins appear scorched/burnt.
- Rapidly corrects calcium deficiency, helping prevent physiological disorders such as blossom end rot in tomatoes and peppers and tip burn in leafy vegetables.
- Strengthens plant structure, promoting firmer fruits, stronger root development and improved resistance to diseases and drought stress.

Dosage :

Foliar Spray: 0.7 gm to 1.6 gm per 1 litre of water.

Drip Irrigation/Fertigation/Drenching :
500 gm to 1 kg per acre.

Packing :
250 gm

Specification (As per FCO)	Content
Calcium content per cent by weight minimum in the form of Ca-EDTA	*9.0%*



COPPER EDTA 12%

Description & Key Benefits :

- Due to copper deficiency the leaves at the top of the shoots develop greyish-white/silver-coloured streaks and area between the leaf veins becomes yellow. Leaves become twisted/rolled, then break from the plant and fall. Gummosis is observed in citrus crop due to copper deficiency.
- Reproductive growth : Impacts on pollen viability, seed formation, and successful fruit setting. Improve Photosynthesis and strength of cell wall.
- Activates the crop's internal enzymes to build a stronger natural defense shield against destructive fungal and bacterial pathogens.

Dosage :

Foliar Spray: 0.7 gm to 1.6 gm per 1 litre of water.

Drip Irrigation/Fertigation/Drenching :
500 gm to 1 kg per acre.

Packing :
250 gm

Specification (As per FCO)	Content
Copper content, per cent by weight minimum in the form of Cu-EDTA	*12.0%*



IRON EDTA 12%

Description & Key Benefits :

- Due to iron deficiency Young leaves at the top of the shoots become yellow, with small green patches remaining. The area between the leaf veins becomes yellow, while the veins remain green. leaves do not develop properly.
- Under severe conditions, the entire leaf becomes yellow and in many crops leaves become almost white.
- Chlorophyll synthesis : helps the green pigment needed to capture light energy.
- Increase metabolic activity like Photosynthesis, Respiration, Nitrogen assimilation in leaves of plant.

Dosage :

Foliar Spray: 0.7 gm to 1.6 gm per 1 litre of water.

Drip Irrigation/Fertigation/Drenching :
500 gm to 1 kg per acre.

Packing :

250 gm

Specification (As per FCO)	Content
Iron content, per cent by weight minimum in the form of Fe-EDTA	*12.0%*



MAGNESIUM EDTA 5%

Description & Key Benefits :

- Due to magnesium deficiency In older leaves at the lower part of the plant, the area between the veins becomes yellow. Later, a reddish colour appears, while the veins remain green.
- Leaves become prematurely mature and fall off quickly. The plant becomes more resistant to diseases and environmental stress.
- **Improves Photosynthesis:** Enhancing overall plant metabolism, leaf size and canopy health.

Dosage :

Foliar Spray: 0.7 gm to 1.6 gm per liter of water.

Drip Irrigation/Fertigation/Drenching :
500 gm to 1 kg per acre.

Packing :

250 gm

Specification (As per FCO)	Content
Mg (as Mg-EDTA), per cent by weight minimum in the form of Mg-EDTA	*5.0%*



MANGANESE EDTA 10%

Description & Key Benefits :

- Due to manganese deficiency Young leaves become yellow, while the veins remain dark green; the area between the veins becomes yellow. On yellow leaves, reddish spots/patches appear between the veins, while small green veins remain visible. Specific symptoms include: **Potato** : Grey speck, **Groundnut:** Marsh spot, **Sugarcane:** Pahala blight.
- **Plant Health:** Boosts chlorophyll production, photosynthesis, and nitrogen utilization. **Stress Resistance:** Strengthens roots, improves resistance to pathogens and environmental stress and supports protein synthesis.

Dosage :

- **Foliar Spray**: 0.7 gm to 1.6 gm per 1 litre of water.
- **Drip Irrigation/Fertigation/Drenching :** 500 gm to 1 kg per acre.

Packing :

250 gm

Specification (As per FCO)	Content
Mn (as Mn-EDTA), per cent by weight minimum in the form of Mn-EDTA	*10.0%*



ZINC EDTA 12%

Description & Key Benefits :

- Due to zinc deficiency upward curling of the leaf margins is observed & leaves become bunched /crowded at the shoot tip. Young leaves become pale yellow and rusty-brown coloured patches appear on them. In sugarcane, zinc deficiency causes red rot disease.
- Rapidly treat stunted growth, leaf yellowing, and poor development in crops.
- Boost photosynthesis.
- Regulating metabolism and hormone cycle in plant.

Dosage :

- **Foliar Spray**: 0.7 gm to 1.6 gm per 1 litre of water.
- **Drip Irrigation/Fertigation/Drenching :** 500 gm to 1 kg per acre.

Packing :

250 gm

Specification (As per FCO)	Content
Zn (as Zn-EDTA), percent by weight minimum in the form of Zn-EDTA	*12.0%*

Microbial & Biological Products





BACTOJIV (NPK_Consortia Bacteria)

- Bactojiv is a highly efficient biofertilizer consisting of a synergistic mixture of multiple beneficial microorganisms that work together to synthesize fixation, solubilize, and mobilize essential plant nutrients.
- Bactojiv combines three distinct classes of specialized bacteria, such as **1) Azotobacter, 2) Pseudomonas striata, 3) Fruticaria aurantia**

Dosage :

- **Seed Treatment:** 100–200 ml per 1 kg of seed.
- **Seedling Dip -** 100-200 ml per 1 litre of water.
- **Broadcasting, drip, drenching or foliar spray :** 1 liter per 1 acre of land.

Packing :

1 Ltr. | 5 Ltr.

Composition	
CFU Count	*3 x 10^9 CFU/ml*
pH	*5.0 - 7.5*
Ingradient	*Microorganisms, Growth media*



POTAJIV (Potassium Mobilizing Bacteria)

- Potajiv is a beneficial soil microorganism that converts fixed, insoluble inorganic potassium in soil minerals into a soluble, plant-available form. Potajiv secretes organic acids like gluconic, oxalic & malic acid that dissolve silicate & potassium-bearing minerals such as feldspar & mica. Potajiv thrives in the rhizosphere colonization at the root zone and continuously interacts with roots and releasing pottasium icon (K+) to match crop demands.

Dosage :

- **Seed Treatment:** 100–200 ml per 1 kg of seed.
- **Seedling Dip -** 100-200 ml per 1 litre of water.
- **Broadcasting, drip, drenching or foliar spray :** 1 litre per 1 acre of land.

Packing :

1 Ltr. | 5 Ltr.

Composition	
CFU Count	*2 x 10^9 CFU/ml*
pH	*5.0 - 7.5*
Ingradient	*Microorganisms, Growth media*



Mycorrhiza Shield (Granules)

Mycorrhiza shield is a biofertilizer useful in all crops. It contains mycorrhiza fungus in granule form which induces crop roots rigorously, mobilizes nutrients, and restores moisture. It is a connection between roots and soil and an environmentally compatible solution for plant growth and higher yield. Mycorrhiza shield reduces the need for chemical fertilizers as we use all forms of mycorrhiza i.e. spore, mycelium, and root particle with vesicle in a single formulation. Thus, it improves soil texture and maintains soil fertility in water-stressed conditions also. Mycorrhiza shield is also a product based on Vesicular Arbuscular Mycorrhiza (VAM) that are grown intracellularly.

Dosage :

Fertigation/Drenching : 4 kg per 1 acre of land.

Packing :

4 Kg | 16 Kg

Composition	
Total viable spore/gram of product.	*Minimum 10 viable spore per gram of finished product*
pH	*5.0 - 7.0*
Ingradient	*Microorganisms, Growth media*



Nitrojiv (N-Fixer-Azotobacter) (Liquid)

Nitrojiv is naturally occurring microorganisms are central to the nitrogen cycle. Nitrogen is converted from inert atmospheric nitrogen (N_2) into bioavailable ammonia (NH_3) and ammonium (NH_4^+) through a process called biological nitrogen fixation. This process happens inside plant root nodules. Within these nodules, nitrogen enzymes actively convert atmospheric nitrogen into ammonia, while oxygen-binding protein leghemoglobin keeps conditions inside nodules microaerobic so that nitrogenase is not deactivated.

Dosage :

Seed Treatment: 100–200 ml per 1 kg of seed.

Seedling Dip - 100-200 ml per 1 litre of water.

Broadcasting, drip, drenching or foliar spray : 1 liter per 1 acre of land.

Packing :

1 Ltr. | 5 Ltr.

Composition	
CFU Count	*2 x 10^9 CFU/ml*
pH	*5.0 - 7.5*
Ingradient	*Microorganisms, Growth media*



SUDOJIV (zinc solubilizing bacteria_ZSB)

- Sudojiv has the potential to be employed as a bioinoculant to enhance plant growth, disease resistance, and productivity. Sudojiv can convert insoluble zinc to an accessible form and increase Zn bioavailability in soil, which helps mitigate Zn deficiency in crops. Sudojiv is a specialized beneficial soil microorganism that transforms insoluble and fixed zinc compounds in the soil into bioavailable forms (such as Zn^{2+}) that plants can easily absorb.

Dosage :

- **Seed Treatment:** 100–200 ml per 1 kg of seed.
- **Seedling Dip -** 100-200 ml per 1 litre of water.
- **Broadcasting, drip, drenching or foliar spray :** 1 litre per 1 acre of land.

Packing :

1 Ltr. | 5 Ltr.

Composition	
CFU Count	*2 x 10^9 CFU/ml*
pH	*5.0 - 7.5*
Ingradient	*Microorganisms, Growth media*



PHOSJIV (Phosphorus Solubilizing Bacteria)

- Phosjiv are beneficial bacteria capable of solubilizing inorganic phosphate of the rhizosphere. Phosjiv considered to be one of the most important traits associated with the plant phosphate nutrition cycle. Phosjiv can induce systemic resistance (ISR) to rhizosphere at the root zone in soil and help them withstand toward pathogen invasions and environmental stress.

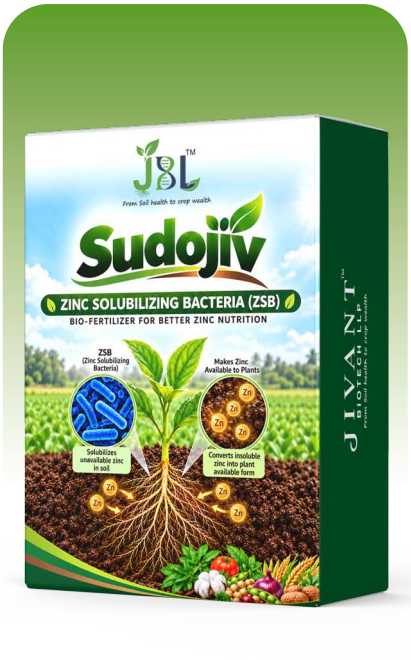
Dosage :

- **Seed Treatment:** 100–200 ml per 1 kg of seed.
- **Seedling Dip -** 100-200 ml per 1 litre of water.
- **Broadcasting, drip, drenching or foliar spray :** 1 litre per 1 acre of land.

Packing :

1 Ltr. | 5 Ltr.

Composition	
CFU Count	*2 x 10^9 CFU/ml*
pH	*5.0 - 7.5*
Ingradient	*Microorganisms, Growth media*



SUDOJIV (zinc solubilizing bacteria_ZSB) (Powder)

- Sudojiv has the potential to be employed as a bioinoculant to enhance plant growth, disease resistance, and productivity. Sudojiv can convert insoluble zinc to an accessible form and increase Zn bioavailability in soil, which helps mitigate Zn deficiency in crops. Sudojiv is a specialized beneficial soil microorganism that transforms insoluble and fixed zinc compounds in the soil into bioavailable forms (such as Zn^{2+}) that plants can easily absorb.

Dosage :

Broadcasting, drip, drenching or foliar spray :
1 Kg per 1 acre of land.

Packing :

500 gm
1 Kg

Composition	
CFU Count	*2 x 10^9 CFU/ml*
pH	*5.0 - 7.5*
Ingradient	*Microorganisms, Growth media*



PHOSJIV (Phosphorus Solubilizing Bacteria) (Powder)

- Phosjiv are beneficial bacteria capable of solubilizing inorganic phosphate of the rhizosphere. Phosjiv considered to be one of the most important traits associated with the plant phosphate nutrition cycle. Phosjiv can induce systemic resistance (ISR) to rhizosphere at the root zone in soil and help them withstand toward pathogen invasions and environmental stress.

Dosage :

Broadcasting, drip, drenching or foliar spray :
1 Kg per 1 acre of land.

Packing :

500 gm
1 Kg

Composition	
CFU Count	*2 x 10^9 CFU/ml*
pH	*5.0 - 7.5*
Ingradient	*Microorganisms, Growth media*



MYCOJET (Vesicular Arbuscular Mycorrhizal) (VAM)

- **MYCOJET** is a mutually intracellular beneficial symbiotic association between specialized soil fungi and the roots of vascular plants.
- The fungal network absorbs hard-to-reach water and essential minerals like phosphorus from the soil and transfers them to the plant. In return, the plant supplies the fungus with vital sugars and carbohydrates produced through photosynthesis.

Dosage :

Apply 100 grams of VAM per acre. This can be done via soil broadcast, drip system or drenching with a sprayer at plant root zone.

Packing :

500 gm

Composition	
Total viable spore/gram of product.	*Minimum 10 viable spore per gram of finished product*
pH	*5.0 - 7.0*
Inoculum Potential	*1200 IP per gram of finished product by MPN method with 10 fold dilution*



MYCOJIV (Vesicular Arbuscular Mycorrhizal) (VAM)

- **MYCOJIV** is a mutually intracellular beneficial symbiotic association between specialized soil fungi and the roots of vascular plants.
- The fungal network absorbs hard-to-reach water and essential minerals like phosphorus from the soil and transfers them to the plant. In return, the plant supplies the fungus with vital sugars and carbohydrates produced through photosynthesis.

Dosage :

Soil Application: 250 gm per acre, The inoculant mixed with soil, sand, or organic manure and broadcasting over field simultaneously.

Drip Irrigation: Dissolve 250 grams of VAM in 10 litres of water and apply it to one acre field.

Packing :

100 gm

Composition	
Total viable spore/gram of product.	*Minimum 10 viable spore per gram of finished product*
pH	*5.0 - 7.0*
Inoculum Potential	*1200 IP per gram of finished product by MPN method with 10 fold dilution*



Plant Growth Regulators (PGR)



HUMIJIV (Humic acid-98%)

Description & Key Benefits :

- Humic acid is a natural, dark brown substance formed from the deep decay of organic matter like plant residue.
- Humijiv useful to plants and soil as improve root growth, enhances nutrient uptake, boosts microbial activity, better soil structure, higher water retention, stress resistance to plant.

Dosage :

Drip Irrigation/Fertigation/Drenching :
500gm to 1kg for one acre of land

Packing :

1 Kg | 5 Kg.

Composition	
Humic acid	*51%*
Fulvic acid	*10%*



GROJIV (HUMIC ACID-1.5%)(GRANULES)

Description & Key Benefits :

- Grojiv is granulated combination of humic acid, fulvic acid, micronutrient and biostimulant. Grojiv act as natural soil conditioner thus, it makes the soil loose, improves water -holding capacity and helps roots absorb nutrients easily. When roots absorb nutrients properly, crop growth improves naturally.
- Grojiv also use for mix up to bacterial products and broadcasting to field for to enhance microbial activity in soil.

Dosage :

Drip Irrigation/Fertigation/Drenching :
50kg per acre of land.

Packing :

50 Kg

Composition	
Humic acid & OC	*1.5%*
Bentonite clay & PGR	*98.5%*



BLACK SPLINTER

Description & Key Benefits :

- Black splinter is mixture of humic acid, fulvic acid, free amino acid, vitamins and bio chemicals in powder form. It's used as multifunctional organic biostimulant. Black splinter act as carriers to help plant absorb iron, zinc, potassium and other trace elements and to protect crop from environmental factors like drought, temperature and stress.
- Black splinter benefit for to enhance plant growth and root development. It's also for better flowering and higher fruit quality, size and weight.

Dosage :

Foliar Spray : 2-4 gm per 1 litre of water.

Drip Irrigation / Fertigation :

0.5 to 1kg per acre of land

Packing :

500 gm | 1 kg

Composition	
Humic acid	*51%*
Amino acid	*10%*

Composition	
Vitamin C	*12%*
Vitamin E	*0.2%*

Composition	
Total OC	*25%*



BROJIV (HOMO BRASSINOLIDE 0.03%)

Description & Key Benefits :

- Brojiv is an synthetic naturally derived plant growth regulator and biostimulant used in agriculture to enhance flowering, pollen viability and fruit setting.
- Brojiv can increase photosynthesis efficiency and biochemical process in leave. So that improve flowering and fruit setting by enhancing final crop productivity across field crop, vegetables and horticultural crop.

Dosage :

Foliar Spray : 2-4 ml per litre of water

Packing :

250 ml | 500 ml

1 Ltr.

Composition	
Homobrassinolide	*0.03%*



JALAK

Description & Key Benefits :

- Jalak is unique and specialize compound binding prodct. In liquid form mixture of Seaweed extract, humic acid, fulvic acid, amino acid and vitamins. This all compounds are well dissolved in water and highly absorbed on leave and quickly action in plant.
- Jalak used to enhance crop vegetative and Reproductive growth. It can better root vitality and biomass, also help for better seed germination.

Dosage :

Foliar Spray : 4-8 ml per 1 litre of water.

Drip Irrigation / Fertigation :

1 liter per one acre of land

Packing :

1 Ltr. | 5 Ltr.

Composition	
Sargassum wightii extract	*51%*
Glycine	*10%*

Composition	
Potassium fulvic humate	*10%*
Vitamin C	*2%*



MOLJIV

Description & Key Benefits :

- Moljiv serves as a highly effective organic biostimulant used in sustainable agriculture. This combination merges two distinct components to accelerate plant growth, enrich soil microbiology and mitigate environmental stress.- moljiv provide a dense carbon and saccharide source with free amino acid.
- Moljiv provide a dense carbon and saccharide source with free amino acid.

Dosage :

Foliar Spray: 5-7ml per 1 litre of water

Drip Irrigation/Fertigation/Drenching :

1lit per acre of land

Packing :

1 Ltr.

Composition	
Organic molasses	*40 %*
Protein hydrolysate	*20 %*



KJIV

Description & Key Benefits :

- Kjiv is potash derived from rhodophytes. Kjiv 100% natural, organic potassium fertilizer extracted from red algae(red seaweed).
- KJIV helps improve Chlorophyll formation, enzyme activity, root development and nutrient uptake, leading to healthier plants, better flowering and higher yield. Kjiv also helps enhance flowering and fruiting, resulting in better yields.

Dosage :

Foliar Spray: 50 gm per acre of land.

Drip Irrigation/Fertigation/Drenching : 5 gm per 15 liter water.

Packing :

100 gm | 250 gm 500 gm

Composition	
Water soluble potash	*20%*
Total sulphur	*1.5%*



NIMJIV

Description & Key Benefits :

- Nimjiv contain a highly concentrated botanical extract derived from seed and kernal of azadiracta indica (neem tree)
- Nimjiv used to plant protection act as a natural bio pesticide, anti feedant and repellent angainst common garden pests like aphid, whitefly, meallybug, thrips, spider mites and scale insects.
- Nimjiv used to fungal disease control, widely used for organic agriculture.

Dosage :

Foliar Spray: 2-4 ml per 1 litre of water

Packing :

1 Ltr.

Composition	
Active Ingredient	*10,000 ppm*

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