



**Arihant**  
Empowering Farmers

# Speciality Fertilizer

**"Tailored Nutrition For  
Exceptional Growth!"**



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AN ISO 9001 : 2015 & 14001 : 2015 CERTIFIED COMPANY



**Harvesting Success,  
Empowering Farmers**





## About **ARIHANT**

Arihant Group is a pathfinder committed to developing novel solutions that strengthen farmers' livelihoods and plant health alike. Our adventure began in 2000, at the start of a new millennium, with a basic desire to create sustainable advances in agriculture. The foundation of our efforts is innovation and science.

Our main objective is to provide long-term crop health solutions that will benefit current and future generations. Our own innovative processes have delivered pathbreaking products such as best-in-class NPK liquid and gel-based fertilizers, organic + NPK liquid fertilizers, and a range of exceptional agricultural products such as granules, micronutrient fertilizers, plant growth promoters, etc. Organic and biofertilizers, soil conditioners, biostimulants, biopesticides, and bio fungicides are just a few of the environmentally friendly goods we endorse. With unbreakable passion, we work to provide farmers with the best resources possible to help them overcome the obstacles facing the modern agricultural landscape.

In a time when farmers, merchants, and consumers all place a high value on sustainability, Arihant Group strives to provide biological products with exceptional levels of sustainability. Our products increase plant vitality and stimulate the soil microbiome by utilizing the potential of naturally occurring microbes and nutrients.

Our goal continues to be to develop agricultural inputs that provide our clients with significant financial returns in addition to observable environmental advantages. We enable growers to improve nutrient efficiency and soil quality by increasing crop output and quality.

At Arihant Group, we're not just focused on the here and now; we're also designing a sustainable agricultural future. Our products have the potential to increase crop output and quality while also giving growers more control over the quality and efficiency of their soil.

# Our Vision & Mission

## Vision

"To Empower Farmers and Their Crops to Sustainably Feed the World Today and in the Future."



## Mission

"To Be A Leader of Science-Driven Innovations Which Provide Proven Plant Health Solutions That Increase Crop Productivity While Respecting The Environment And Society"



## Value

Our core values are driven by a desire to improve the richness and protection of crops through excellence and high standards of integrity.

- Excellence
- Sustainability
- Integrity
- Customer Focus
- Safety
- Innovation
- Community Engagement

# STATEMENT FROM THE FOUNDERS OF THE COMPANY



## Chairman: BHAVESH PATEL

Leading the company with the knowledge and expertise of 25 years in the industry. By implementing innovative techniques in agriculture, I aim to increase production while ensuring minimal impact on the soil. This approach not only benefits farmers by providing high-quality supplies but also contributes to environmental preservation. The main focus is on sustainable practices, fostering a commitment to eco-friendly production. By adopting cutting-edge methods, the company is poised to develop globally, creating a positive impact on both the industry and the environment.

## Managing Director: NARENDRA PATEL

I've had the privilege of leading the Arihant Group of Industries for the past 20 years, during which our focus has been on creating sustainable solutions for agriculture. Our passion for empowering farmers and enhancing crop health shines through our unwavering commitment. We are driven by a vision to combat losses attributed to abiotic stress factors. Understanding the urgency of this issue, we are dedicated to implementing strategies that mitigate multiple stressors, including improved agronomic management. Our goal is to increase soil health by using less conventional fertilizers and adding organic materials to feed microorganisms. We work to provide solutions that improve crop tolerance to abiotic stress by combining cutting-edge methods and technology, ensuring higher yields and sustainable farming methods. We aim to boost crop productivity worldwide while maintaining affordability and environmental sustainability.





# Company Milestones

**2007-2008**

## **ARIHANT CHEMICAL INDUSTRIES**

Started manufacturing:

- Plant Growth Promoters
- NPK Water Soluble Fertilizers
- Micronutrient Fertilizers

Our plant growth promoters, NPK water-soluble fertilizers, and micronutrient fertilizers are formulated with organic compounds and beneficial microorganisms to enhance plant growth, provide essential nutrients, and promote overall plant health.

**2008-2009**

## **ARIHANT INORGANIC PROCESS Pvt Ltd**

Started manufacturing for :

- Potassium Sulphate
- Magnesium Sulphate Anhydrous

These products are crucial for addressing nutrient deficiencies in soil, promoting healthier crop development, and improving overall agricultural productivity.

**2011-2012**

## **ARIHANT AGRISCIENCE PVT. LTD**

Started large-scale production of granule fertilizer

Started manufacturing:

- Bio Pesticide Granule
- Bio Fertilizer Granule
- Soil Conditioner Granule
- Organic Fertilizer

Introducing biopesticide granules, bio-fertilizer granules, soil conditioner granules, and organic fertilizer in one innovative solution for sustainable agriculture.

**2012-2013**

## **ARIHANT FERTILIZER CORPORATION UNIT: 2**

Involved in the large-scale production of pesticides, fungicides, and insecticides.

**2013-2014**

## **ARIHANT BIOSCIENCE INDIA PVT LTD**

We are revolutionizing agriculture with our state-of-the-art enzymatic manufacturing process, delivering high-quality enzymes for enhanced crop productivity and environmental sustainability.

**2009-2010**

## **ARIHANT FERTILIZER CORPORATION UNIT - 1**

Started manufacturing:

- Granule Fertilizer
- Soil Conditioner Fertilizer
- Organic Fertilizer

Granule fertilizer provides slow-release nutrients for plants, soil fertilizer rejuvenates soil, and organic fertilizer supports sustainable farming practices, minimizing environmental impacts.

# Company Milestones

**2017-2018**

## **ANBR ELIXIR PVT LTD**

With an eye on the global markets and a mission to take our pathbreaking products to the world, ANBR started export activities

Arihant Fertilizers Corporation Unit 1 has been merged with ANBR Elixir Pvt. Ltd

**2016-2017**

## **ARIHANT BIOFERTICHEM PVT LTD**

Retail Marketing

Key partnerships with suppliers and distributors have been secured to ensure a steady supply chain through our retail sector

**2015-2016**

## **ARIHANT CHEMICAL INDUSTRIES**

Started manufacturing for:

- Biofertilizers Liquid
- Biofertilizers Powder
- Biopesticides Liquid
- Biopesticides Powder
- Amino chelated micronutrients
- Chelated Fertilizers

Introducing a comprehensive line of eco-friendly agricultural solutions

**2019-2020**

## **ANBK SEEDS INDIA Pvt Ltd**

Ventured into seed production, furthering our commitment to providing holistic agricultural solutions from seed to harvest.

**2022-2023**

## **ARIHANT GROUP OF INDUSTRIES**

During this period, we acquired Unit 2 at ANBR Elixir Pvt. Ltd, paving the way for the expansion of our production capacity for slow-release fertilizers. This strategic move positions us to meet the anticipated increase in demand and reinforces our commitment to innovation and sustainability in agriculture

ANBR Elixir Pvt. Ltd Unit 2 Plans For Expansion Of Slow-Release Fertilizers

Manufactures:

- Diatomite Silicon Grannual (For Export)
- Speciality Micronutrient Fertilizers
- Bio Fungicides
- Developed Organic+ Npk
- Liquid And Gel Fertilizers

**2021-2022**

## **ARIHANT GROUP OF INDUSTRIES**

Launches: Science-driven slow-release fertilizers like

- NPK liquid fertilizer
- NPK gel fertilizer
- Liquid urea
- Specialty plant nutrition

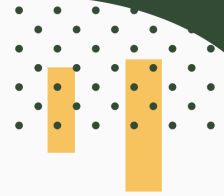
We have been awarded for

- Bharat Udyog Ratan Award For Outstanding Achievement
- Business Excellence Award: Asia Pacific Chamber Of Commerce

**2023-2024**

Developed the world's first innovation in Zinc-Related Fertilizers with N-46 Zincated Slow-Release Fertilizers, alongside the introduction of pH Balancer, continuing our legacy of pioneering agricultural solutions.

# Arihant Group Of Industries



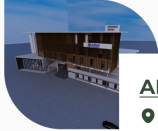
## ARIHANT CHEMICAL INDUSTRIES

- Plot No. 5144, Nr. Prime Industries, Seven Water Tank Road, Paras Chowkdi, GIDC Estate, Ankleshwar - 393002, Gujarat, India



## ARIHANT AGRI-SCIENCE PVT LTD

- Plot No. 227/5/1 And 2, Arihant Agri Science Pvt Ltd, Near Cheminova, GIDC Industrial Estate, Sanjali, Bharuch - 394116, Gujarat, India



## ARIHANT BIO FERTICHEM PVT LTD

- 204, Sidhhraj Zavod, Sargasan, Gandhinagar - 382421 Gujarat (India)



## ANBR ELIXIR PVT LTD

- Plot No.10008-3, ANBR ELIXIR PRIVATE LIMITED, NEAR BEIL, GIDC ANKLESHWAR, Ankleshwar GIDC, Bharuch - 393002, Gujarat, India



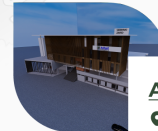
## ARIHANT BIO SCIENCE PVT LTD

- PL-H-3136, FL- A/202, SWET RESIDENCY, PH-4, ANKLESHWAR Bharuch GJ 393002 IN



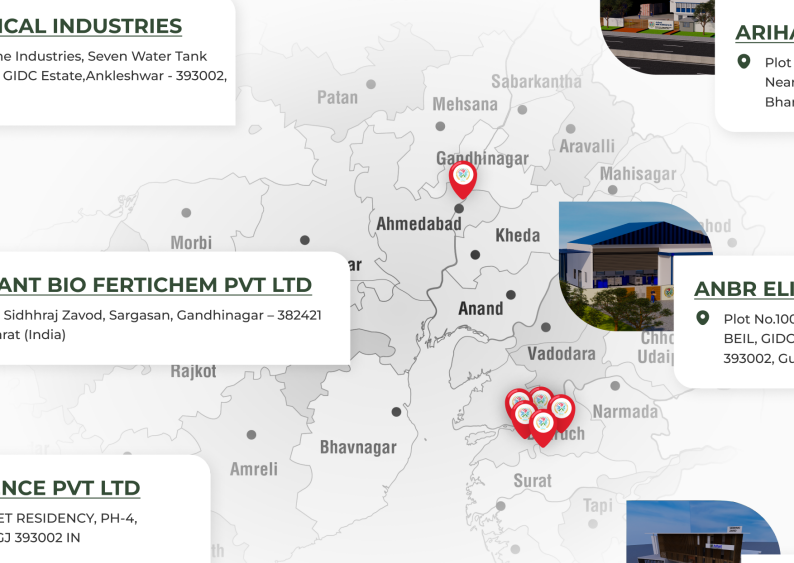
## ARIHANT FOUNDATION

- Plot No. 5144, Nr. Prime Industries, Seven Water Tank Road, Paras Chowkdi, GIDC Estate, Ankleshwar - 393002, Gujarat, India



## ANBK SEEDS PVT LTD

- 204, Sidhhraj Zavod, Sargasan, Gandhinagar - 382421 Gujarat (India)



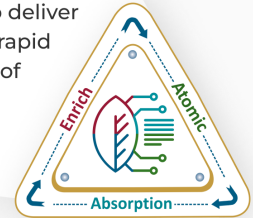


# TECHNOLOGIES



## EA<sup>2</sup> Technology

The Arihant group's EA2 technology coats fertilizer nutrients with polymer to deliver them directly to plants, providing rapid uptake and uniform translocation of nutrients.



## S<sup>4</sup> Technology

The Arihant group has developed S4 Technology that introduces nutrients to plants in a liquid gel form. It has long shelf-life, high concentrations, and prevents phase separation and sedimentation while keeping all components in suspension.



# Research & Development



**One Of Our Strongest Driving Forces Is  
Research-based innovative approach**

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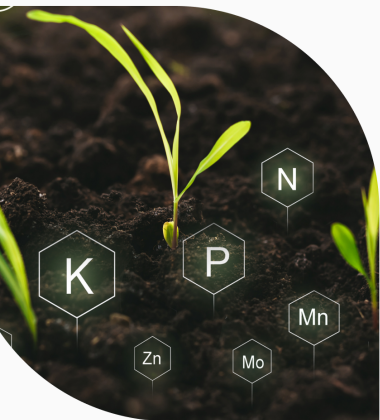
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# **NPK Liquid** **Gel Fertilizer**



NPK Liquid Gel Fertilizer

## Liquid Urea N-44

**Arihant**  
Empowering Farmers



### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Total Nitrogen per cent by weight	32.0%	44.0%
Specific Gravity	1.32-1.37	

### Dosage :

Foliar Spray	3 to 4 ml/l
Drip Irrigation	1 Ltr/acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation ,Drip Irrigation or Foliar Spray

### Recommended Crops :

For Fertigation : Grapes, Pomegranate, Banana, Cotton, Tomato, Onion, Sugarcane, Ginger, Turmeric, Watermelon, Floriculture and Protected Cultivation

For Foliar Application : All Crops

### Description :

Urea, for ages, has been considered one of the best sources of Nitrogen for plants. It is very helpful in the growth and development of crops during crucial stages. Nitrogen compounds synthesize amino acids and nucleic acids. Urea, a source of Nitrogen, helps plants improve root development and promote lushness in the leaves.

With Arihant's innovative S4 and EA2 technology, our liquid emulsion-based slow release fertilizer products are a notch above any competition. It brings in an added benefit of the plants being able to absorb the nutrients and store them in pockets within the plant which facilitates the slow release of nutrients and utilization of the same as and when needed. It also reduces the dependence of farmers on conventional fertilizers to a great extent.

Since Arihant's Liquid Urea N-44 is an emulsion-based slow release liquid fertilizer, it is very easy for the plants to uptake and the innovative Microfluidiser technology used to make this product ensures that farmers get the most out of the product at lesser costs than conventional fertilizers. It can easily penetrate the soil even if the soil is hardened and not very porous.

Our innovative technology and research have led us to deliver a Liquid Urea product that has a minimum Nitrogen content of 44%. This effective Nitrogen becomes available to plants, making their growth robust, making the leaves greener, and assisting in photosynthesis.

A product that can easily be absorbed by the plants because of the liquid form with tiny particles that can easily penetrate the pores on leaves even if they are just sprayed with the fertilizer.

Nitrogen is a vital component of Chlorophyll. It also plays a significant role as the building block of proteins within plants. It is also responsible for the creation of amino acids and the movement of energy within the plant.

### Benefits Of N-44 :

- **Increased nutrient use efficiency:** N-44 has a significantly higher nutrient use efficiency compared to conventional urea. It is designed to deliver nitrogen (N) in a more targeted and controlled manner, allowing for better absorption and utilization by plants. This results in reduced nutrient losses, minimized environmental impact, and improved crop productivity.
- **Lower application rates:** N-44 requires lower application rates compared to conventional urea. Due to its enhanced efficiency, a smaller amount of N-44 is needed to achieve the same or even better results, leading to cost savings and reduced fertilizer requirements by almost 60-70%.
- **Reduced leaching and volatilization:** N-44 is formulated to minimize nutrient leaching and volatilization leading to improved nutrient retention in the root zone, ensuring that more nitrogen is available to plants.
- **Controlled release of nutrients:** The controlled release of nitrogen aligns with the crop's nutrient requirements, reducing the risk of nutrient overload or deficiency.
- **Improved crop yield and quality:** The enhanced efficiency and controlled release of nitrogen contribute to improved crop yield and quality. It supports healthy plant growth, enhances nitrogen availability during critical growth stages, and promotes overall crop productivity. It can also lead to improved crop attributes such as higher protein content, better fruit set, and increased grain yield.
- **Environmental sustainability:** It helps minimize nutrient runoff, groundwater contamination, and greenhouse gas emissions associated with traditional urea fertilizers. Using N-44 supports sustainable agricultural practices and reduces the ecological footprint of crop production.

### Recommended stage of usage of N 44:

Ideally during the tilling stages so that can be utilized right from the beginning for root development and post that it is utilized by the plant throughout its life cycle. Also during the vegetative stage for the lushness in leaves; for the chlorophyll.



NPK Liquid Gel Fertilizer

## NPK Liquid 14:46:00

### Description :

Arihant NPK Liquid 14:46:00 is a concentrated phosphate-based fertilizer designed for farmers to meet their plants' phosphorus nutrition needs. Phosphorus is crucial for RNA and DNA formation, cell division, root development, and seed production. Since this Liquid has Phosphorus in principal amounts, it also helps in cell division and facilitates growth during root development stages.

The fertilizer uses Microfluidization, an innovative process that encapsulates nutrients in a microfluid, forming particles that function as a slow-release mechanism. This emulsion-based liquid is designed for efficient absorption by plants, allowing for gradual and timely nutrient release. Our fertilizer, utilizing the emulsion-based delivery system, easily integrates into existing farming practices. It easily integrates into existing farming practices and can penetrate hardened or less porous soils.

The NPK 14:46:00 liquid fertilizer temporarily locks up half to three-quarters of the phosphorus by chained polymers, while the remaining phosphorus is immediately available for plant uptake. Enzymes produced by soil microorganisms and plant roots break down the polymer phosphate chains into simple phosphate molecules that plants can digest. This process occurs faster in moist, warm soils, with half of the polyphosphate compounds converted to orthophosphate within a week or two for plant uptake.

Liquid fertilizers are preferred for their convenience and balanced nutrient distribution, as they easily blend with other nutrients and chemicals, and each drop of fluid is identical to the next. Since poly-phosphate fertilizers deliver nutrients both immediately and gradually via their combination of both ortho-phosphates and poly-phosphates, plants can use them very effectively, for longer. This innovative approach reduces farmers' reliance on traditional fertilizers and promotes sustainable agricultural practices.

### Benefits Of 14:46:00 :

- It helps optimize the pH levels of the soil and eventually helps in root development.
- High N improves the quality of leaf and forage crops.
- High P, stimulates plant processes and produces faster, earlier growth.
- Increases yield and reduces crop defects
- It is essential to seed formation and helps improve the quality of grain crops.
- High P concentration helps in normal growth and maturity.
- Effective for greater flowering and fruit set.
- It plays a major role in helping plants cope with unfavorable environmental conditions.
- Being in a liquid form, the nutrients are easily soluble and accessible to plant roots, ensuring efficient nutrient uptake and utilization.
- This ratio is particularly beneficial for crops that require a higher phosphorus-to-nitrogen ratio, such as flowering plants, fruiting crops, and root vegetables.

### Recommended stage of usage of 14:46:00 :

Ideally during the tillage stages so that can be utilized right from the beginning for root development and post that it is utilized by the plant throughout its life cycle. It is also advisable to use it during the flowering and fruiting stages.

### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Total Nitrogen (all as ammoniacal nitrogen) per cent by wt., minimum)	10.00%	14.00%
Total Phosphorus with Poly Phosphorus as (P <sub>2</sub> O <sub>5</sub> ) per cent by wt. minimum	4.00%	46.00%
pH (1% solution)	6 - 7	
Trace Elements (EDTA)	Yes	
Specific Gravity	1.30 - 1.35	

### Dosage :

Foliar Spray	3 - 4 ml / Litre
Drip Irrigation	1 lt / acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation ,Drip Irrigation or Foliar Spray

### Recommended Crops :

**For Fertigation :** Fruiting crops such as tomatoes, peppers, cucumbers, eggplants, strawberries, and melons. Root vegetables like carrots, beets, radishes, and potatoes. Leafy green vegetables, including lettuce, spinach, kale, cabbage, ornamental plants, and leguminous crops.

**For Foliar application :** All crops

NPK Liquid Gel Fertilizer

## NPK Liquid 24:24:00

### Description :

Our NPK Liquid 24:24:00, an emulsion based slow release fertilizer, is a powerful solution designed to meet the specific nutritional needs of your plants and promote vigorous growth. An equal ratio of nitrogen (N) and phosphorus (P) in a fertilizer plays a vital role in supporting plant growth and development. This balanced nutrient ratio ensures that plants receive adequate amounts of each essential element for their optimal health and productivity.

Nitrogen (N) is crucial for promoting vegetative growth, leaf development, and overall plant vigor. It is involved in protein synthesis, enzyme production, and chlorophyll formation, which are essential for various metabolic processes within plants. Phosphorus (P) is vital for photosynthesis and sugar metabolism in plants. It is primarily acquired by plant roots as inorganic orthophosphate ions from the soil water.

Phosphate-based fertilizers play a crucial role in replenishing phosphorus levels in the soil, as it is continuously taken up by plants. These fertilizers help optimize soil pH, promote root development, enhance stem and stalk formation, and improve plant resilience to environmental stressors.

Experience the cutting-edge technology of Arihant's liquid emulsion-based slow release fertilizer products, featuring the revolutionary S4 and EA<sup>2</sup> technologies. Our innovative approach sets us apart from the competition, providing you with unparalleled benefits for your plants.

It brings in an added benefit of the plants being able to absorb the nutrients and store them in pockets within the plant which facilitates the slow release of nutrients and utilization of the same as and when needed. It also reduces the dependence of farmers on conventional fertilizers to a great extent.

Using our in-house research-based innovative process of Micro fluidisation, we have developed an innovative slow-release liquid fertilizer. Notably, this innovation reduces farmers' reliance on traditional fertilizers, marking a significant step towards sustainable and effective agricultural practices.

### Benefits Of 24:24:00 :

- High N and P in 1:1 ratio gives an ideal start to the crop.
- High -N concentration helps in plant growth and chlorophyll synthesis due to better mobility.
- High-P, helps in early and profuse root development, crop maturity and seed production.
- It is largely responsible for root growth and flower and fruit development.
- Important for starch and protein synthesis
- The liquid form allows quick and efficient nutrient absorption by the plant's root system.
- Enhanced plant nutrition leads to healthier plants that can better withstand environmental stressors and maximize their yield potential.

### Recommended stage of usage of 24:24:00:

This fertilizer can be used during the initial seedling stage, and root development stages and can be used until the flowering stages since both Nitrogen and Phosphorus are present in this fertilizer abundantly and can help during the initial developmental stages of the plant life cycle.



### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Total Nitrogen percent, min.	19.00%	24.00%
Total Phosphorus ( $P_2O_5$ ), min. percent, min.	19.00%	24.00%
pH (1% solution)	6.0 - 7.0	
Trace Elements (EDTA)	Yes	
Specific Gravity (at 15° C)	1.25-1.30	

### Dosage :

Foliar Spray	2 - 3 ml / Litre
Drip Irrigation	500 ml. to 1 Litre / acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation, Drip Irrigation or Foliar Spray

### Recommended Crops :

- **Leafy greens:** Lettuce, spinach, cabbage, etc.
- **Fruit-bearing plants:** Tomatoes, peppers, strawberries, etc.
- **Grains:** Wheat, corn, rice, etc.
- **Flowering plants:** Roses, sunflowers, marigolds, etc.
- **Ornamental plants:** Potted plants, garden, etc.

NPK Liquid Gel Fertilizer

## NPK Liquid 00:00:46.5

### Description :

Arihant's emulsion-based slow release Liquid NPK 00:00:46.5 focuses on the deficiency or requirement of Potassium in the plants. Potassium (K) essentially plays a significant role in plant physiological processes. Therefore, it is required in large amounts for proper growth and reproduction in plants. It is also termed "the quality nutrient" for its contributing factor in several biological and chemical processes in plants.

It plays an immensely important role in improving the sugar content in the fruits and the fruit size as well. Since it also facilitates in the movement of water, and proteins within the plant, this potassium-rich fertilizer triggers the activation of important biochemical enzymes for the generation of Adenosine Triphosphate (ATP). ATP provides energy for other chemical and physiological processes such as the excretion of waste materials in plants. It also plays a major role in helping plants cope with biotic and abiotic stress conditions. In addition, it is further enhanced by the integration of the S4 and EA<sup>2</sup> Technology, which promotes the absorption and translocation of nutrients.

Leveraging our Microfluidisation process, we have developed NPK 00:00:46.5 an innovative slow-release liquid fertilizer. Through this process, nutrients are encapsulated in a microfluid, forming particles that function as a potent slow-release mechanism. This emulsion-based liquid is designed for efficient absorption by plants, allowing for storage within the plant for gradual and timely nutrient release as required. Our fertilizer, utilizing the emulsion-based delivery system, easily integrates into existing farming practices. It possesses the unique capability to penetrate hardened or less porous soils.

This groundbreaking approach empowers plants to absorb and store nutrients within specialized pockets, enabling a sustained and slow release for optimal utilization. Notably, this innovation reduces farmers' reliance on traditional fertilizers, marking a significant step towards sustainable and effective agricultural practices. Being easily soluble in water, this Emulsion-based slow release liquid solution can easily be applied using any of the existing irrigation of fertigation processes that the farmer may prefer.

### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Potassium (K <sub>2</sub> O)	33.00%	46.50%
pH (1% Solution)	6.0 - 7.0	
Trace Elements (EDTA)	Yes	
Specific Gravity	1.40 - 1.45	

### Dosage :

Foliar Spray	2 - 3 ml / Litre
Drip Irrigation	500 ml / acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation ,Drip Irrigation or Foliar Spray

### Recommended Crops :

Fruits (tomatoes, peppers, melons), root vegetables (potatoes, carrots), leafy greens (lettuce, spinach), brassicas (broccoli, cabbage), legumes (beans, peas), grain crops (corn, wheat), fruit trees (apples, oranges), and vine crops (grapes).

### Benefits Of 00:00:46.5 :

- Essential in photosynthesis
- It also enhances nutrient uptake by facilitating the movement of other essential nutrients, such as nitrogen and phosphorus, from the roots to other parts of the plant
- It helps plants maintain water balance, regulates stomatal opening and closing, and activates enzymes that protect against oxidative stress. participates in plant's protein and starch synthesis
- Formation and translocation of starches, sugars, and fats
- Maintains balance of salts and water in cells
- It enhances plant resilience to various stresses, including drought, heat, cold, and diseases.
- It helps enhance the shelf life of harvested fruits and vegetables, reducing post-harvest losses and improving market value.
- It promotes efficient nutrient utilization and reduces the environmental impact associated with excessive fertilizer use.

### Recommended stage of usage of 00:00:46.5:

Since this is a potassium-centric mixture fertilizer, it can be applied during the fruiting stages for the best results. It can also be used during stressful conditions since potassium plays a key role in defending crops in stress conditions.

## NPK Liquid Gel Fertilizer

# NPK Liquid 00:00:50

### Description :

Arihant's Emulsion-based slow release Liquid NPK 00:00:50 contains a high concentration of potassium, a vital macronutrient for plants. Potassium plays a crucial role in various plant functions, including photosynthesis, nutrient absorption, water regulation, and disease resistance. By supplying plants with an ample amount of potassium, our fertilizer ensures optimal growth and improved overall plant health.

It is also termed "the quality nutrient" for its contributing factor in several biological and chemical processes in plants.

It plays a significant role in improving the sugar content in the fruits and the fruit size as well. Since it also facilitates in the movement of water, and proteins within the plant, this potassium-rich fertilizer triggers the activation of important biochemical enzymes for the generation of Adenosine Triphosphate (ATP). ATP provides energy for other chemical and physiological processes such as the excretion of waste materials in plants. It also plays a major role in helping plants cope with biotic and abiotic stress conditions.

Leveraging our Microfluidisation process, we have developed NPK 00:00:50 an innovative slow-release liquid fertilizer. Through this process, nutrients are encapsulated in a microfluid, forming particles that function as a potent slow-release mechanism. This emulsion-based liquid is designed for efficient absorption by plants, allowing for storage within the plant for gradual and timely nutrient release as required. Our fertilizer, utilizing the emulsion-based delivery system, easily integrates into existing farming practices. It possesses the unique capability to penetrate hardened or less porous soils.

This groundbreaking approach empowers plants to absorb and store nutrients within specialized pockets, enabling a sustained and slow release for optimal utilization. Notably, this innovation reduces farmers' reliance on traditional fertilizers, marking a significant step towards sustainable and effective agricultural practices. Being easily soluble in water, this Emulsion-based slow release liquid solution can easily be applied using any of the existing irrigation of fertigation processes that the farmer may prefer.

### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Total Potassium (K <sub>2</sub> O)	35.00%	50.00%
pH (1% solution)	6.5 - 7.0	
Specific Gravity	1.40 - 1.45	
Trace Elements (EDTA)	Yes	

### Dosage :

Foliar Spray	3 - 4 ml / Litre
Drip Irrigation	1 Litre / acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation, Drip Irrigation or Foliar Spray

### Recommended Crops :

Fruits (tomatoes, peppers, melons), root vegetables (potatoes, carrots), leafy greens (lettuce, spinach), brassicas (broccoli, cabbage), legumes (beans, peas), grain crops (corn, wheat), fruit trees (apples, oranges) and vine crops (grapes).

### Benefits Of 00:00:50 :

- Promotes root development, flower formation, and fruit set.
- It also enhances nutrient uptake by facilitating the movement of other essential nutrients such as nitrogen and phosphorus, from the roots to other parts of the plant.
- It helps plants maintain water balance, regulates stomatal opening and closing, and activates enzymes that protect against oxidative stress.
- Participates in plant's protein and starch synthesis
- Formation and translocation of starches, sugars, and fats
- Maintains balance of salts and water in cells
- Essential in photosynthesis.
- It enhances plant resilience to various stresses, including drought, heat, cold, and diseases.
- It helps enhance the shelf life of harvested fruits and vegetables, reducing post-harvest losses and improving market value.

### Recommended stage of usage of 00:00:50:

Since this is a potassium-centric mixture fertilizer, it can be applied during the fruiting stages for the best results. It can also be used during stressful conditions since potassium plays a key role in defending crops in stress conditions.



## NPK Liquid Gel Fertilizer

# NPK Liquid 10:00:40

### Description :

A mixture fertilizer consisting of Nitrogen and Potassium, Arihant's Emulsion-based slow release liquid NPK 10:00:40 focuses on the deficiency or requirement of Potassium in the plants in addition to a small portion of Nitrogen. Potassium (K) essentially plays a significant role in plant physiological processes. Therefore, it is required in large amounts for proper growth and reproduction in plants.

Using NPK liquid 10:00:40 results in quicker germination, improved root development, and elevated abiotic stress tolerance; leading to better plant establishment, more vigorous growth, and higher yields. It plays a crucial role in enhancing fruit sugar content, fruit size, and overall plant health. Its high potassium content facilitates water and protein movement, activating vital enzymes for energy production and waste excretion.

With Arihant's innovative S4 and EA<sup>2</sup> technology, our emulsion-based slow release liquid fertilizer products are a notch above any competition. It brings in an added benefit of the plants being able to absorb the nutrients and store them in pockets within the plant which facilitates the slow release of nutrients and utilization of the same as and when needed. It also reduces the dependence of farmers on conventional fertilizers to a great extent.

Being an Emulsion-based slow release liquid fertilizer, it is very easy for the plants to uptake and the innovative Microfluidiser technology used to make this product ensures that farmers get the most out of the product at lesser costs than conventional fertilizers.

### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Total Nitrogen percent, min.	07.00%	10.00%
Total Potassium (K <sub>2</sub> O) percent, min.	28.00%	40.00%
pH (1% solution)	6.0 - 7.0	
Trace Elements (EDTA)	Yes	
Specific Gravity	1.40-1.45	

### Dosage :

Foliar Spray	2 - 3 ml / Litre
Drip Irrigation	500 ml. / acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation ,Drip Irrigation or Foliar Spray

### Recommended Crops :

It can be beneficial for leafy greens, brassicas, fruit-bearing crops, and legumes to support healthy plant growth and overall vigor.

### Benefits Of 10:00:40 :

- Essential in photosynthesis
- Involved in regulating the opening and closing of leaf stomata
- Involved in the regulation of water in plants
- Participates in plant's protein and starch synthesis
- Important in the activation of many growth-related enzymes in plants
- Formation and translocation of starches, sugars, and fats
- It encourages vigorous flowering and fruiting.
- Nitrogen is involved in the synthesis of adenosine triphosphate (ATP), the energy currency of cells.
- It supports the formation of healthy blooms, enhances pollination, and boosts crop yields.
- It aids in the absorption and transportation of other nutrients, ensuring their availability for essential metabolic processes.
- The high potassium content promotes strong root development,
- It also aids in drought resistance and overall plant health.
- The liquid form of this fertilizer allows for quick and efficient nutrient absorption by plant roots.
- Sufficient nitrogen levels result in vibrant and healthy-looking foliage.
- Adequate nitrogen levels support robust leaf and stem growth, contributing to overall plant vigor.

### Recommended stage of usage of 10:00:40 :

This NPK mixture is ideal for usage during the vegetative stage, flower and fruit development stage.

NPK Liquid Gel Fertilizer

## NPK Liquid 07:21:00

### Description :

Our Fortified NPK 07:21:00 Liquid Fertilizer, is a powerful solution designed to meet the specific nutritional needs of your plants and promote vigorous growth. Our formula prioritizes nitrogen and phosphorus for unparalleled crop performance. The substantial nitrogen content fuels robust vegetative growth. Phosphorus promotes extensive root development, ensuring strong anchorage and nutrient absorption. Zinc is a micronutrient essential for various biochemical processes crucial for plant development. Our fortified formula ensures your crops receive the optimal zinc levels for enhanced yields. The Fortified NPK 07:21:00 addresses the zinc deficiencies in soils, ensuring your crops get the vital nutrients they need.

Experience the cutting-edge technology of Arihant's liquid emulsion-based slow release fertilizer products, featuring the revolutionary S4 and EA<sup>2</sup> technologies. Our innovative approach sets us apart from the competition, providing you with unparalleled benefits for your plants.

Using our in-house research-based innovative process of Micro fluidisation, we have developed an innovative slow-release liquid fertilizer. Notably, this innovation reduces farmers' reliance on traditional fertilizers, marking a significant step towards sustainable and effective agricultural practices.

Your plants will not only absorb the nutrients more efficiently but also store them in special pockets within their structure. This unique feature enables a slow release of nutrients, allowing your plants to utilize them precisely when needed. It also reduces the dependence of farmers on conventional fertilizers to a great extent.

### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Total Nitrogen ( as N )	07.00%	
Total Phosphate (P <sub>2</sub> O <sub>5</sub> )	21.0%	
Zinc (as Zn)	0.2%	
pH	5.2 - 7.2	
Specific Gravity (at 15° C)	1.29-1.33	
Trace Elements (EDTA)	Yes	

### Dosage :

Foliar Spray	3 ml / Litre
Drip Irrigation	1 lt / acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation ,Drip Irrigation or Foliar Spray

### Recommended Crops :

- Leafy greens: Lettuce, spinach, cabbage, etc.
- Fruit-bearing plants: Tomatoes, peppers, strawberries, etc.
- Grains: Wheat, corn, rice, etc.
- Flowering plants: Roses, sunflowers, marigolds, etc.
- Ornamental plants: Potted plants, garden flowers, etc

### Benefits Of 07:21:00 :

- **Balanced Formulation:** Optimal nutrient balance with 7% Nitrogen, 21% Phosphorus (P2O5), and 0.2% Zinc for comprehensive plant nutrition.
- **Liquid Advantage:** Convenient liquid form ensures easy application, quick absorption, and uniform nutrient distribution across fields.
- **Boosts Plant Development:** Nitrogen supports vigorous growth, Phosphorus enhances root and flower development, while Zinc promotes overall plant health and resilience.
- **Improved Nutrient Uptake:** Enhanced solubility maximizes nutrient absorption, ensuring efficient utilization for optimal crop performance.
- **Versatile Application:** Suitable for a wide range of crops, applicable through both soil and foliar methods.
- **Crop-Specific Benefits:** Supports early plant establishment, boosts flowering and fruiting for increased yields, and strengthens immunity against diseases and stress.
- **Eco-Friendly Formula:** Environmentally sustainable design minimizes nutrient runoff, reducing the overall environmental impact.
- **User-Friendly Handling:** Easy to store and handle due to its liquid form, compatible with common agricultural equipment for hassle-free application.

### Recommended stage of usage of 07:21:00 :

This fertilizer can be used during the initial seedling stage, and root development stages and can be used until the flowering stages since both Nitrogen and Phosphorus are present in this fertilizer abundantly and can help during the initial developmental stages of the plant life cycle.

NPK Liquid Gel Fertilizer

## PKB GEL 35:30:08

### Description :

PKB 35:30:08, an emulsion-based liquid fertilizer is a high-quality formulation designed to meet the nutritional needs of plants. It contains a precise combination of essential nutrients, including phosphorus (P), potassium (K), and boron (B). This specific ratio of nutrients is carefully formulated to support robust growth, healthy root development, and improved crop yield.

The added benefit of high Boron (B) content provides solutions to problems caused due to boron deficiency like light general chlorosis, death of growing points, deformed leaves with areas of discoloration, etc. Boron aids in the improved uptake of Phosphorus (P) and Potassium (K) by improving the root structures and cell- membranes. This is exactly why this mixture fertilizer works best in tandem since the boron helps the uptake of the rest of the two nutrients.

With Arihant's innovative S4 and EA<sup>2</sup> technology, our emulsion-based slow release liquid gel fertilizer products are a notch above any competition. It brings in an added benefit of the plants being able to absorb the nutrients and store them in pockets within the plant which facilitates the slow release of nutrients and utilization of the same as and when needed. It also reduces the dependence of farmers on conventional fertilizers to a great extent.

Being an Emulsion-based slow release liquid gel fertilizer, it is very easy for the plants to uptake and the innovative Microfluidiser technology used to make this product ensures that farmers get the most out of the product at lesser costs than conventional fertilizers.

### Benefits Of 35:30:08 :

- **Phosphorus for root development and flowering:** Phosphorus is vital for root growth and development. It helps plants establish a strong root system, which enhances nutrient and water uptake. Additionally, phosphorus plays a crucial role in flower formation, seed production, and overall reproductive development.
- **Potassium for plant health and stress tolerance:** Potassium is involved in numerous physiological processes within plants, including enzyme activation, osmoregulation, and photosynthesis. It contributes to overall plant health, disease resistance, and stress tolerance. Potassium also aids in nutrient translocation and carbohydrate metabolism.
- **Boron for cell wall formation and sugar transport:** The addition of boron provides an important micronutrient to the fertilizer formulation. Boron is essential for the formation and integrity of cell walls, helping to ensure proper cell division and elongation. It also aids in the transport of sugars and the regulation of other essential plant hormones.
- **Convenient application:** Liquid fertilizers are easy to apply and can be sprayed directly onto plants or incorporated into irrigation systems.
- **Improved nutrient uptake and efficiency:** PKB 35:30:08 is in a liquid emulsion form, which allows for efficient nutrient absorption by plants. The nutrients are readily available in a soluble form, making them more accessible to the plants' root systems. This promotes efficient nutrient uptake and utilization, reducing the risk of nutrient wastage.

### Recommended stage of usage of 35:30:08 :

The PKB 35:30:08 liquid fertilizer can be applied during the seedling, vegetative, flowering, and fruit development stages of crops. Applying it during these stages promotes healthy root development, vigorous vegetative growth, improved flower formation, and enhanced fruit development.



### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Total Phosphate (P <sub>2</sub> O <sub>5</sub> )	21.00%	35.00%
Total Potash (K)	18.00%	30.00%
Boron (B)	5.00%	8.00%
pH	6.0 - 7.0	
Trace Elements (EDTA)	Yes	
Specific Gravity	1.65 - 1.70	

### Dosage :

Foliar Spray	2 - 3 ml / Litre
Drip Irrigation	1 Litre / acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation ,Drip Irrigation or Foliar Spray

### Recommended Crops :

It can be used for Grapes & Banana, Citrus, Mango, Tomato, Corn, Pomegranate, Groundnut, Cotton, Soyabean, Coconut, Potato, Brinjal, Onion, Garlic, Cumin, Chillies, Beans, Okra, Pea, Tomato, Cabbage, Cauliflower, Sugarcane, Paddy, Rice, Wheat, Oat, Barley, Mustard, Sunflower, Carrot, Sorghum, Bajra, Lawns, Gardens, Green House, Etc.

NPK Liquid Gel Fertilizer

## NPK Liquid Gel 00:50:50

### Description :

An Emulsion-based liquid gel mixture fertilizer made from the combination of the two essential macronutrients Phosphorus and Potassium. A combination that delivers both these nutrients in equal proportion leads to enhanced root development, strong stem and stalk and a robust DNA and RNA as well as getting a wide range of helpful enzymes helping the plant growth. It also plays a role in the stress-fighting strength of the crop with the movement of water within the plant.

With Arihant's innovative S4 and EA<sup>2</sup> technology, our emulsion-based slow release liquid gel fertilizer products are a notch above any competition. It brings in an added benefit of the plants being able to absorb the nutrients and store them in pockets within the plant which facilitates the slow release of nutrients and utilization of the same as and when needed. It also reduces the dependence of farmers on conventional fertilizers to a great extent.

Being an Emulsion-based slow release liquid gel fertilizer, it is very easy for the plants to uptake and the innovative Microfluidiser technology used to make this product, ensures that farmers get the most out of the product at lesser costs than conventional fertilizers.

An ideal option for growers who want to fulfill the deficiency of 2 nutrients with one product.

### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Phosphorous (P <sub>2</sub> O <sub>5</sub> )	30.00%	50.00%
Potassium (K <sub>2</sub> O)	30.00%	50.00%
pH (1% solution)	6.5 - 7.0	
Trace Elements (EDTA)	Yes	
Specific Gravity	1.65 - 1.70	

### Dosage :

Foliar Spray	2 - 3 ml / Litre
Drip Irrigation	500 ml. / acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation ,Drip Irrigation or Foliar Spray

### Recommended Crops :

- **Fruiting crops:** Tomatoes, peppers, cucumbers, melons, strawberries,
- **Root vegetables:** Crops like potatoes, carrots, beets, radishes, and onions
- **Leafy greens:** Crops such as lettuce, kale and cabbage
- **Legumes:** Beans, peas, and other leguminous crops
- **Fruiting trees and shrubs:** Fruit trees like apple, citrus, and stone fruits, as well as shrubs like berries
- **Ornamental plants:** Flowering plants, such as roses, geraniums, petunias, and marigolds

### Benefits Of 00:50:50 :

- Phosphorus is essential for the development and growth of healthy root systems in plants. It promotes root elongation, branching, and overall root biomass.
- Potassium helps regulate osmotic potential in plant cells, allowing them to efficiently take up and retain water.
- High P facilitates the movement of carbohydrates from leaves to other plant parts, supporting energy production, root growth, and fruit development.
- It influences the synthesis of starch, proteins, and ATP (adenosine triphosphate), which are vital for various cellular processes and overall plant function.
- It also promotes chlorophyll production, contributing to vibrant, green foliage and optimizing the plant's ability to convert sunlight into energy.
- Adequate P and K levels in plants enhance their resistance to diseases and pests.
- It also improves plant tolerance to environmental stresses such as temperature extremes, salinity, and nutrient imbalances.
- Adequate P and K levels contribute to increased crop yield, and improved fruit set, size, and quality.
- Potassium helps maintain nutrient balance within plants. It enhances the uptake and utilization of other essential nutrients, including nitrogen, phosphorus, calcium, and magnesium.
- Potassium is involved in the regulation of stomatal openings.
- Adequate P supply promotes vigorous plant growth, enhances nutrient use efficiency, and optimizes reproductive processes.

### Recommended stage of usage of 00:50:50 :

This NPK mixture is best for the flowering and fruiting stages of the crop life cycle.

NPK Liquid Gel Fertilizer

## NPK Liquid Gel 19:19:19

### Description :

A product that is one of the most widely used variations of the NPK mixture fertilizers is NPK 19:19:19 which arguably is the most equitable mixture of all the three macronutrients. With Nitrogen, Phosphorus, and Potassium present in an equal ratio of 19:19:19 respectively, this product is one of the most preferred fertilizer solutions for farmers who need all three nutrients without any specific deficiencies or specific nutrient requirements based on crops.

Nitrogen, being the most abundant mineral nutrient in plants, is responsible for the increase in yield and improved crop and food quality. It gives a lushness to the leaves and is considered an essential component of all proteins and enzymes.

Simultaneously phosphorus and potassium - a combination that delivers both these nutrients in equal proportion leading to enhanced root development, strong stem and stalk, and a robust DNA and RNA as well as getting a wide range of helpful enzymes helping the plant growth. It also plays a role in the stress-fighting strength of the crop with water movement within the plant.

With Arihant's innovative S4 and EA<sup>2</sup> technology, our emulsion-based slow-release liquid gel fertilizer products are a notch above any competition. It brings in an added benefit of the plants being able to absorb the nutrients and store them in pockets within the plant which facilitates the slow release of nutrients and utilization of the same as and when needed. It also reduces the dependence of farmers on conventional fertilizers to a great extent.

Being an Emulsion-based slow release liquid gel fertilizer, it is very easy for the plants to uptake and the innovative Microfluidiser technology used to make this product, ensures that farmers get the most out of the product at lesser costs than conventional fertilizers.

### Benefits Of 19:19:19 :

- Promotes vegetative growth: The nitrogen content stimulates vegetative growth, including leaf development and overall plant vigor. It helps plants establish a strong foundation for healthy growth and efficient photosynthesis.
- Supports flowering and fruiting: The balanced phosphorus content encourages flowering and helps ensure adequate fruit set. It contributes to the development of healthy, high-quality flowers and fruits.
- Boosts plant health and stress tolerance: The potassium content helps plants withstand adverse conditions such as drought, temperature fluctuations, and disease. It supports cell function, water regulation, and enzyme activation, promoting optimal plant health and resilience.
- Enhances root development: Stronger and more extensive root systems improve nutrient uptake, water absorption, and overall plant resilience. The balanced nutrition provided by this product can result in increased crop yield and improved quality.

### Recommended stage of usage of 19:19:19 :

Being an all-around NPK solution, it can be applied during any stage of plant growth; however, ideally, it can be applied during the vegetative stage and fruiting stages of the plant life cycle since that is when the plants generally need nutrients the most.



### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Total Nitrogen percent, min.	13.50%	19.00%
Water Soluble Phosphorous (P <sub>2</sub> O <sub>5</sub> ) percent, min.	13.50%	19.00%
Water Soluble Potassium (K <sub>2</sub> O) percent, min.	13.50%	19.00%
pH (1% solution)	6.0 - 7.0	
Trace Elements (EDTA)	Yes	
Specific Gravity	1.37 - 1.42	

### Dosage :

Foliar Spray	2 - 3 ml / Litre
Drip Irrigation	500 ml. / acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation ,Drip Irrigation or Foliar Spray

### Recommended Crops :

This product can be utilized for almost all crops since it has all three nutrients in an equal ratio. However, it is ideal for Field Crops such as wheat, corn, soybeans, and rice . Fruit-bearing trees and plants like citrus fruits, apples, peaches, grapes, and berries. Various vegetable crops, including tomatoes, peppers, cucumbers, beans, and leafy greens. Flowers, shrubs, and ornamental plants. Perennial crops such as coffee, tea, cocoa, and rubber.



NPK Liquid Gel Fertilizer

## NPK Liquid Gel 20:20:20

### Description :

Our Emulsion-based NPK Liquid Gel 20:20:20 is a high-quality liquid gel fertilizer designed to provide balanced nutrition to plants. This innovative formula utilizes innovative technology to create a stable and highly efficient emulsion, ensuring maximum nutrient absorption and utilization by plants. With a balanced ratio of Nitrogen (N), Phosphorus (P), and Potassium (K) at 20:20:20, this liquid fertilizer offers comprehensive nutrition to support healthy plant growth, enhance yield, and improve overall crop quality.

Nitrogen, being the most abundant mineral nutrient in plants, is responsible for the increase in yield and improved crop and food quality. It gives a lushness to the leaves and is considered an essential component of all proteins and enzymes.

Simultaneously phosphorus and potassium - a combination that delivers both these nutrients in equal proportion leading to enhanced root development, strong stem and stalk, and a robust DNA and RNA as well as getting a wide range of helpful enzymes helping the plant growth. It also plays a role in the stress-fighting strength of the crop with water movement within the plant.

With Arihant's innovative S4 and EA<sup>2</sup> technology, our emulsion-based slow release liquid gel fertilizer products are a notch above any competition. It brings in an added benefit of the plants being able to absorb the nutrients and store them in pockets within the plant which facilitates the slow release of nutrients and utilization of the same as and when needed. It also reduces the dependence of farmers on conventional fertilizers to a great extent.

Being an Emulsion-based slow release liquid gel fertilizer, it is very easy for the plants to uptake and the innovative Microfluidiser technology used to make this product, ensures that farmers get the most out of the product at lesser costs than conventional fertilizers.

### Benefits Of 20:20:20 :

- **Balanced nutrient supply:** Provides a balanced nutrient supply to plants. This ensures that plants receive adequate amounts of all three essential elements required for their growth and development.
- **Promotes overall plant growth:** Nitrogen stimulates vegetative growth, phosphorus promotes root development and flowering, and potassium enhances plant vigor and stress tolerance. The combination of these nutrients promotes balanced growth across different plant parts and functions.
- **Improves plant health and disease resistance:** Nitrogen supports protein and enzyme synthesis, P strengthens cell walls, and potassium enhances the resilience and stress tolerance of plant, making them more resistant to environmental stresses and diseases
- **Enhances flowering and fruiting:** Adequate nitrogen supports robust vegetative growth, phosphorus contributes to flower formation and fruit development, and potassium enhances fruit quality, size, and taste.
- **Increases nutrient uptake and utilization:** Provides readily available nutrients easily absorbed by plant roots. This enhances nutrient uptake and utilization, allowing plants to efficiently utilize the supplied nutrients for their growth and development.
- **Versatile application methods:** Can be applied through foliar spraying, fertigation, or soil drenching. Uniform application ensures that the nutrients are evenly distributed in the soil or directly absorbed by the leaves.

### Recommended stage of usage of 20:20:20 :

Being an all-around NPK solution, it can be applied during any stage of plant growth; however, ideally, it can be applied during the vegetative stage and fruiting stages of the plant life cycle since that is when the plants generally need nutrients the most.



### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Total Nitrogen percent, min.	14.00%	20.00%
Water Soluble Phosphorous (P <sub>2</sub> O <sub>5</sub> ) percent, min.	14.00%	20.00%
Water Soluble Potassium (K <sub>2</sub> O) percent, min.	14.00%	20.00%
pH (1% solution)	6.0 - 7.0	
Trace Elements (EDTA)	Yes	
Specific Gravity	1.45 - 1.50	

### Dosage :

Foliar Spray	2 - 3 ml / Litre
Drip Irrigation	500 ml-1 Litre / acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation ,Drip Irrigation or Foliar Spray

### Recommended Crops :

**For Fertigation :** Grapes, Pomegranate, Banana, Cotton, Tomato, Onion, Sugarcane, Ginger, Turmeric, Watermelon, Floriculture and Protected Cultivation

**For Foliar application :** All crops

## NPK Liquid Gel Fertilizer

# NPK Liquid Gel 25:25:25

### Description :

NPK Liquid Gel 25:25:25 an emulsion-based liquid fertilizer is a balanced nutrient formulation that provides plants with essential nitrogen (N), phosphorus (P), and potassium (K) in a convenient liquid form. This fertilizer offers farmers a range of benefits, including balanced nutrition for healthy plant growth, ease of application, uniform nutrient distribution, enhanced nutrient uptake, potential controlled-release properties, and versatility across various crops. Its balanced ratio of NPK promotes overall plant health, improves crop yields, and enhances the quality of agricultural produce.

An equal ratio of nitrogen (N), phosphorus (P), and potassium (K) in a fertilizer plays a vital role in supporting plant growth and development. This balanced nutrient ratio ensures that plants receive adequate amounts of each essential element for their optimal health and productivity.

With Arihant's innovative S4 and EA<sup>2</sup> technology, our emulsion-based slow release liquid gel fertilizer products are a notch above any competition. It brings in an added benefit of the plants being able to absorb the nutrients and store them in pockets within the plant which facilitates the slow release of nutrients and utilization of the same as and when needed. It also reduces the dependence of farmers on conventional fertilizers to a great extent.

Being an Emulsion-based slow release liquid gel fertilizer, it is very easy for the plants to uptake and the innovative Microfluidiser technology used to make this product, ensures that farmers get the most out of the product at lesser costs than conventional fertilizers.

### Benefits Of 25:25:25 :

- The liquid form of the fertilizer facilitates better nutrient absorption and uptake by plants.
- It promotes vegetative growth and leaf development.
- It helps in protein synthesis, enzyme production, chlorophyll formation, and various metabolic processes within plants.
- It supports root development, flowering, fruiting, and seed formation.
- It regulates water uptake and loss, maintains osmotic balance, and enhances plant water relations.
- It improves disease resistance, nutrient uptake, and overall plant vigor.
- It leads to lush green foliage and stimulates the production of new shoots.
- It minimizes nutrient leaching and wastage, reduce the frequency of fertilizer applications, and provide a more efficient and consistent nutrient supply for crops.
- It promotes uniform growth and minimizes the risk of nutrient deficiencies or excesses within the field.

### Recommended stage of usage of 25:25:25 :

Being an all-around NPK solution, it can be applied during any stage of plant growth; however, ideally, it can be applied during the vegetative stage and fruiting stages of the plant life cycle since that is when the plants generally need nutrients the most.

### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Total Nitrogen percent, min.	16.00%	25.00%
Water Soluble Phosphorous (P <sub>2</sub> O <sub>5</sub> ) percent, min.	16.00%	25.00%
Water Soluble Potassium (K <sub>2</sub> O) percent, min.	16.00%	25.00%
pH (1% solution)	6.0 - 7.0	
Trace Elements (EDTA)	Yes	
Specific Gravity	1.50 - 1.55	

### Dosage :

Foliar Spray	2 - 3 ml / Litre
Drip Irrigation	500 ml. / acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation ,Drip Irrigation or Foliar Spray

### Recommended Crops :

This product can be utilized for almost all crops since it has all three nutrients in an equal ratio. However, it is ideal for Leafy vegetables such as lettuce, kale, and cabbage, and eggplants, root vegetables such as carrots, beets, and potatoes, herbs like basil, parsley, mint, and cilantro, flowering and ornamental plants, and cereal crops such as wheat, barley, and oats.

NPK Liquid Gel Fertilizer

## NPK Liquid Gel 10:10:50:2

### Description :

Arihant's emulsion-based slow-release liquid gel fertilizer, NPK 10:10:50:02, is specifically formulated to address potassium deficiency or requirements in plants. It provides an equal portion of nitrogen and phosphorus, along with the added benefit of the micronutrient boron. This balanced composition promotes optimal plant growth and development, particularly focusing on potassium needs. Potassium (K) is also termed "the quality nutrient" for its contributing factor in several biological and chemical processes in plants.

It plays a vital role in improving the sugar content in the fruits and the fruit size as well. Since it also facilitates in the movement of water, and proteins within the plant, this potassium-rich fertilizer triggers the activation of important biochemical enzymes for the generation of Adenosine Triphosphate (ATP). ATP provides energy for other chemical and physiological processes such as the excretion of waste materials in plants. It also plays a major role in helping plants cope with biotic and abiotic stress conditions.

Leveraging our Microfluidisation process, we have developed NPK 10:10:50:02 an innovative slow-release liquid gel fertilizer. Through this process, nutrients are encapsulated in a microfluid, forming particles that function as a potent slow-release mechanism. This emulsion-based liquid gel is designed for efficient absorption by plants, allowing for storage within the plant for gradual and timely nutrient release as required. Our fertilizer, utilizing the emulsion-based delivery system, easily integrates into existing farming practices. It possesses the unique capability to penetrate hardened or less porous soils.

This groundbreaking approach empowers plants to absorb and store nutrients within specialized pockets, enabling a sustained and slow release for optimal utilization. Notably, this innovation reduces farmers' reliance on traditional fertilizers, marking a significant step towards sustainable and effective agricultural practices. Being easily soluble in water, this Emulsion-based slow release liquid gel solution can easily be applied using any of the existing irrigation of fertigation processes that the farmer may prefer.

### Benefits Of 10:10:50:2 :

- **Balanced Nutrition:** The fertilizer offers a balanced supply of essential nutrients, supporting overall plant growth and development.
- **Nitrogen Support:** The nitrogen content promotes vigorous vegetative growth, chlorophyll production, and overall plant health.
- **Phosphorus Boost:** Phosphorus contributes to root development, flowering, and fruiting, resulting in improved yields and quality.
- **Potassium Enrichment:** The high potassium concentration addresses potassium deficiency or requirements in plants, supporting various physiological processes and stress tolerance.
- **Boron Micronutrient:** The inclusion of boron further enhances plant growth, reproduction, and carbohydrate metabolism.
- **Increased Yield and Quality:** The balanced nutrient composition of 10:10:50:02 promotes improved yield and quality of crops, including fruits and vegetables.
- **Easy Absorption:** The liquid formulation allows for efficient nutrient absorption by plant roots, leading to quicker results and improved plant performance.

### Recommended stage of usage of 10:10:50:2 :

This NPK mixture is suitable for pre-planting, early vegetative growth, flowering and fruit development stages, and can be used for maintenance and nutrient balance throughout the growing season.

### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Total Nitrogen percent, min.	6.50%	10.00%
Total Phosphorous (P <sub>2</sub> O <sub>5</sub> ) percent, min.	6.50%	10.00%
Total Potassium (K <sub>2</sub> O) percent, min.	31.00%	50.00%
Boron (as B)	02.00%	
pH (1% solution)	9.0 -10.0	
Trace Elements (EDTA)	Yes	
Specific Gravity (at 15° C)	1.65-1.68	

### Dosage :

Foliar Spray	2 - 3 ml / Litre
Drip Irrigation	500 ml / acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation ,Drip Irrigation or Foliar Spray

### Recommended Crops :

Fruit-Bearing Trees such as apple, pear, citrus fruits, stone fruits (peach, plum), etc. Vegetable Crops such as tomatoes, peppers, cucumbers, peas, and leafy greens like spinach and lettuce. Root vegetables, including carrots, beets, radishes, and potatoes. Field crops such as maize (corn), cotton. Ornamental plants, including flowering annuals and decorative foliage plants.

## NPK Liquid Gel Fertilizer

# NPK Liquid Gel 12:32:16

### Description :

An emulsion-based slow release liquid gel Fertilizer NPK 12:32:16 is a complex fertilizer with a high concentration of phosphorus compared to nitrogen and potassium. This balanced nutrient composition can be beneficial for plants, especially during specific growth stages.

By providing higher levels of phosphorus and potassium, NPK 12:32:16 fertilizer offers a complete solution for crops that have higher phosphorus and potassium requirements. These nutrients contribute to root development, flowering, fruiting, stress tolerance, and efficient nutrient uptake, all of which are vital for healthy and productive plants.

Nitrogen which is the most readily found nutrient in the atmosphere may be needed in lesser quantities for some crops in certain soil types. With the benefits of vigorous enzyme activation within the plant that helps the plant grow and become strong enough to fight stress conditions, and a robust root development system, this product also delivers excellent vegetative growth. It helps secrete amino acids and build proteins within the plant.

With our unmatched S4 and EA2 technology, our fertilizers rise above the competition. Leveraging our Microfluidisation process, we have developed NPK 12:32:16 an innovative slow-release liquid gel fertilizer. Through this process, nutrients are encapsulated in a microfluid, forming particles that function as a potent slow-release mechanism. This emulsion-based liquid gel is designed for efficient absorption by plants allowing them to efficiently store nutrients within their structure. This enables a slow and timely release, ensuring optimal utilization by the plants whenever needed. Notably, this innovation reduces farmers' reliance on traditional fertilizers, marking a significant step towards sustainable and effective agricultural practices.

### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Total Nitrogen percent, min.	08.50%	12.00%
Total Phosphorous ( $P_2O_5$ ), min. percent, min.	22.00%	32.00%
PotaTotal Potassium ( $K_2O$ ), percent, min.	11.00%	16.00%
pH (1% solution)	6.0 - 7.0	
Specific Gravity	1.45-1.50	
Trace Elements (EDTA)	Yes	

### Dosage :

Foliar Spray	2 - 3 ml / Litre
Drip Irrigation	500 ml. / acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation ,Drip Irrigation or Foliar Spray

### Recommended Crops :

It can be used for almost all types of cereals, pulses, and other vegetative and fruit-bearing crops. For example Grapes & Banana, Citrus, Mango, Tomato, Corn, Pomegranate, Groundnut, Cotton, Soybean, Coconut, Potato, Beans, Okra, Pea, Tomato, Sugarcane, Rice, Wheat, Oat, Barley, Mustard, Sunflower, Carrot, Sorghum, Bajra, Lawns, Gardens, Green House, etc

### Benefits Of 12:32:16 :

- This is one of the highest nutrients containing NPK complex fertilizer with total nutrient of 60%.
- High-P, helps in early and profuse root development, crop maturity and seed production.
- High-K concentration is ideal for fruit and tuber size increase
- A balanced nutrient composition, supporting overall plant health and growth.
- The high P content helps in root development, resulting in stronger and more extensive root systems.
- The high phosphorus content improves flower and fruit production.
- It enhances nutrient uptake and overall plant vitality.
- The nitrogen component stimulates vegetative growth leading to healthier and more productive plants.
- Nutrients are readily available, leading to faster results and improved plant growth.
- The liquid form of the fertilizer facilitates precise and uniform nutrient distribution

### Recommended stage of usage of 12:32:16 :

Being an all-around NPK solution, it can be applied during any stage of plant growth; however, ideally, it is applied during the flowering and fruiting stages of plant growth.

NPK Liquid Gel Fertilizer

## NPK Liquid Gel 20:10:10

### Description :

A complex fertilizer mixture of all three primary macronutrients, NPK Liquid gel 20:10:10 is a comprehensive solution that delivers Nitrogen (N), Phosphorus (P), and Potash/Potassium (K) in a fixed ratio.

Nitrogen being present in a bigger ratio in this product, it helps in the root development and vegetative growth of the crops. With the benefits of vigorous enzyme activation within the plant that helps the plant grow and become strong enough to fight stress conditions, and a robust root development system, this product also delivers excellent vegetative growth. It helps secrete amino acids and build proteins within the plant.

It plays an immensely important role in improving the sugar content in the fruits and the fruit size as well. Since it also facilitates in the movement of water, and proteins within the plant, this potassium-rich fertilizer triggers the activation of important biochemical enzymes for the generation of Adenosine Triphosphate (ATP). ATP provides energy for other chemical and physiological processes such as the excretion of waste materials in plants. It also plays a major role in helping plants cope with biotic and abiotic stress conditions.

With Arihant's innovative S4 and EA<sup>2</sup> technology, our emulsion-based slow release liquid gel fertilizer products are a notch above any competition. It brings in an added benefit of the plants being able to absorb the nutrients and store them in pockets within the plant which facilitates the slow release of nutrients and utilization of the same as and when needed. It also reduces the dependence of farmers on conventional fertilizers to a great extent.

Easily soluble in water, this emulsion-based slow release liquid gel solution for the farmers can easily be applied using any of the existing irrigation of fertigation processes that the farmer may prefer. It is very easy for the plants to uptake and the innovative technology used to make this product ensures that farmers get the most out of the product at lesser costs than conventional fertilizers.

### Benefits Of 20:10:10 :

- **Balanced nutrient supply:** The NPK ratio of 20:10:10 indicates a balanced blend of nitrogen (N), phosphorus (P), and potassium (K). This balanced formulation provides plants with the necessary nutrients for healthy growth and development.
- **Promotes vigorous growth:** The high nitrogen content (20%) in the fertilizer stimulates leaf and stem growth, resulting in lush and vigorous plants.
- Nitrogen is crucial for the synthesis of proteins, enzymes, and chlorophyll, which are essential for plant growth.
- **Enhances flowering and fruiting:** The moderate phosphorus content (10%) supports flower and fruit formation. Phosphorus is involved in energy transfer, root development, and reproductive processes, leading to improved flowering and fruiting.
- **Improves plant health and stress tolerance:** The potassium content (10%) in the fertilizer helps enhance plant vigor and overall health. Potassium regulates various physiological processes, improves disease resistance, and promotes stress tolerance, allowing plants to withstand environmental challenges.
- **Convenient application:** Liquid fertilizers offer ease of application, as they can be easily dissolved in water and applied directly to the soil or foliage. This allows for efficient nutrient uptake by plants and ensures uniform distribution.

### Recommended stage of usage of 20:10:10 :

Since Nitrogen is the primary nutrient of this mixture, this product ideally can be used during the root development stages; however, the presence of Phosphorus and Potassium in the product makes it usable at all subsequent stages as well.

### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Total Nitrogen percent, min.	15.00%	20.00%
Total Phosphorous (P <sub>2</sub> O <sub>5</sub> ), min. percent, min.	08.00%	10.00%
Total Potassium (K <sub>2</sub> O), min. percent, min.	08.00%	10.00%
pH (1% solution)	6.0 - 7.0	
Trace Elements (EDTA)	Yes	
Specific Gravity	1.45-1.50	

### Dosage :

Foliar Spray	2 - 3 ml / Litre
Drip Irrigation	500 ml. / acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation ,Drip Irrigation or Foliar Spray

### Recommended Crops :

- It can be used for almost all types of cereals, pulses, and other vegetative and fruit-bearing crops.
- For example Grapes & Banana, Citrus, Mango, Tomato, Corn, Pomegranate, Groundnut, Cotton, Soybean, Coconut, Potato, Beans, Okra, Pea, Tomato, Sugarcane, Rice, Wheat, Oat, Barley, Mustard, Sunflower, Carrot, Sorghum, Bajra, Lawns, Gardens, Green House, etc





## NPK Liquid Gel Fertilizer

# NPK Liquid Gel 11:11:08

### Description :

Unlock the potential of your crops with our advanced NPK Liquid Gel 11-11-08, a power-packed solution meticulously crafted to cater to the nutritional needs of plants during critical growth stages. This suspension formula, enriched with essential micronutrients like Zinc as ZnEDTA and Boron as B, ensures a robust and comprehensive approach to plant nutrition.

Experience the forefront of agricultural innovation with Arihant's emulsion-based slow-release liquid gel fertilizer products, featuring the groundbreaking S4 and EA<sup>2</sup> technologies. This innovative approach distinguishes us from the competition, providing your plants with unparalleled benefits.

Utilizing our in-house research-based innovative process of Microfluidisation, this liquid gel fertilizer represents a leap towards sustainable and effective agricultural practices. This cutting-edge technology ensures optimal nutrient absorption and reduces dependence on traditional fertilizers.

### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Total Nitrogen (as N), per cent by weight, min	11.00%	
Urea Nitrogen, per cent by weight, min	7.2%	
Ammonical Nitrogen, per cent by weight, max	3.0%	
Water soluble phosphorous (as P <sub>2</sub> O <sub>5</sub> ), per cent by weight, min	11.0%	
Water soluble potassium (as K <sub>2</sub> O), per cent by weight, min	08.00%	
Zinc (as Zn) per cent by weight, min in the form of Zn-EDTA	0.07%	
Boron as B, per cent by weight	0.5-0.7	
pH (1% Solution) at 20 °C	7.0 -8.0	
Trace Elements (EDTA)	Yes	

### Dosage :

Foliar Spray	3 ml / l
Drip Irrigation	1 lt / acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation ,Drip Irrigation or Foliar Spray

### Benefits Of 11:11:08 :

- **Suspension Formula for Enhanced Absorption:** The suspension formula ensures optimal nutrient absorption by plants. Zn as Zn EDTA enhances bioavailability, promoting efficient utilization by crops. Zinc deficiency causes a type of leaf discoloration called chlorosis, which causes the tissue between the veins to turn yellow while the veins remain green. Zinc is to help the plant produce chlorophyll.
- **Boron for Vital Plant Processes:** Boron is essential for various biochemical processes crucial for plant development. It plays an important role in regulating plants' hormone levels and promoting proper growth. Boron increases flower production and retention, pollen tube elongation and germination, and seed and fruit development.
- **Enhanced Plant Development:** Nitrogen for robust vegetative growth, Phosphorus for extensive root and flower development, and Potassium for overall plant health and resilience.
- **Liquid Advantage:** Convenient liquid gel form for easy application, quick absorption, and uniform nutrient distribution across fields.
- **Optimized Nutrient Uptake:** Enhanced solubility maximizes nutrient absorption, ensuring efficient utilization for optimal crop performance.
- **Versatile Application:** Suitable for a wide range of crops, applicable through both soil and foliar methods.
- **Crop-Specific Benefits:** Supports early plant establishment, enhances flowering and fruiting for increased yields, and strengthens immunity against diseases and stress.
- **Eco-Friendly Formula:** Environmentally sustainable design minimizes nutrient runoff, reducing the overall environmental impact.
- **User-Friendly Handling:** Easy to store and handle due to its liquid form, compatible with common agricultural equipment for hassle-free application.

### Recommended stage of usage of 11:11:08 :

Ideal for application during the seedling, root development, flowering, and fruiting stages, providing a continuous and balanced nutrient supply

### Recommended Crops :

All types of plants such as vegetables, cereals, Pulses, Horticulture crops, Medicinal plants, Lawns, Ornamental plants, spices, cash crops viz. Sugarcane, Cotton, etc.

## NPK Liquid Gel Fertilizer

# NPK Liquid Gel 08:08:08

### Description :

NPK Liquid Gel 08:08:08 is Fully water soluble balanced fertilizer enriched with micronutrients. It provides all the nutrients for healthy and balanced growth of all plants.

Nitrogen, being the most abundant mineral nutrient in plants, is responsible for the increase in yield and improved crop and food quality. It gives a lushness to the leaves and is considered an essential component of all proteins and enzymes. Simultaneously phosphorus and potassium - a combination that delivers both these nutrients in equal proportion leading to enhanced root development, strong stem and stalk, and a robust DNA and RNA as well as getting a wide range of helpful enzymes helping the plant growth. It also plays a role in the stress-fighting strength of the crop with water movement within the plant.

Experience the cutting-edge technology of Arihant's liquid emulsion-based slow release fertilizer products, featuring the revolutionary S4 and EA<sup>2</sup> technologies. Our innovative approach sets us apart from the competition, providing you with unparalleled benefits for your plants.

Using our in-house research-based innovative process of Micro fluidisation, we have developed an innovative slow-release liquid fertilizer. Notably, this innovation reduces farmers' reliance on traditional fertilizers, marking a significant step towards sustainable and effective agricultural practices.

Your plants will not only absorb the nutrients more efficiently but also store them in special pockets within their structure. This unique feature enables a slow release of nutrients, allowing your plants to utilize them precisely when needed. It also reduces the dependence of farmers on conventional fertilizers to a great extent.

### Benefits Of 08:08:08 :

- **Fully Water Soluble Formula (08:08:08):** Provides a balanced and readily available blend of nitrogen, phosphorus, and potassium, ensuring optimal nutrition for healthy plant growth.
- **Enriched with Micronutrients:** Contains essential micronutrients, enhancing the overall nutritional profile for robust and balanced plant development.
- **Promotes Lushness and Essential Protein/Enzyme Formation:** Nitrogen, abundant in the formula, contributes to increased yield, improved crop quality, lush foliage, and serves as a vital component in the formation of proteins and enzymes.
- **Equal Proportion of Phosphorus and Potassium:** Supports enhanced root development, strengthens stems and stalks, contributes to robust DNA and RNA, and provides a range of enzymes crucial for plant growth.
- **Stress Resistance and Water Movement:** Phosphorus and potassium combination aids in stress resistance and facilitates water movement within the plant, contributing to overall crop resilience.
- **Sustainable Agricultural Practices:** Marks a significant step towards sustainability by reducing farmers' reliance on traditional fertilizers, promoting effective and eco-friendly agricultural practices.
- **Innovative Slow-Release Formula:** Unique slow-release feature ensures plants utilize nutrients efficiently over time, contributing to long-term plant health and minimizing environmental impact.

### Recommended stage of usage of 08:08:08 :

Being an all-around NPK solution, it can be applied during any stage of plant growth; however, ideally, it can be applied during the seedling stage, throughout vegetative growth, pre-flowering, flowering, and fruiting stages for balanced nutrition.



### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Total Nitrogen (ammoniacal + Nitrate form),min	8.0%	
Nitrogen in Ammoniacal form (min)	3.0%	
Available Phosphorus (as P <sub>2</sub> O <sub>5</sub> ) (min.)	8.0%	
Water Soluble Potash (as K <sub>2</sub> O) (min.)	8.0%	
Sulphate Sulphur (min.)	2.0%	
Water soluble chlorine (as Cl) <sub>2</sub> (max.)	0.5%	
pH (1% solution)	3.5 + 0.5	
Specific Gravity	1.35	
Trace Elements (EDTA)	Yes	

### Dosage :

Foliar Spray	3 ml / l
Drip Irrigation	1 lt / acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation ,Drip Irrigation or Foliar Spray

### Recommended Crops :

This product can be utilized for almost all crops since it has all three nutrients in an equal ratio. However, it is ideal for Field Crops such as Wheat, rice, maize, Fruit-bearing trees and plants like citrus fruits, apples, peaches, grapes, and berries. Various vegetable crops, including Tomatoes, potatoes, carrots,pepper and leafy greens.Flowers, shrubs, and ornamental plants. Cash Crops such as Cotton, sugarcane, tobacco, coffee, etc.



# Organic + NPK Liquid Gel Fertilizer



Organic + NPK Liquid Gel Fertilizer

## Organic + Zincated Urea N - 46%

### Description :

Arihant's Organic + Zincated N-46 is an emulsion-based slow release liquid fertilizer with added benefits of Zinc.

For generations, Urea has stood as a pinnacle source of Nitrogen for plant growth. Our Organic + Zincated N-46 harnesses the potential of Urea to enhance root development and promote lush foliage. Nitrogen, a key component of Chlorophyll, acts as a building block for proteins, amino acids, and energy movement within plants, ensuring robust development during crucial stages.

Adding a layer of innovation, our formulation includes Zinc, an essential micronutrient that influences enzyme activity, photosynthesis, protein synthesis, and stress tolerance. This powerhouse micronutrient supports cell division, nutrient uptake, and seed formation, contributing significantly to overall plant growth, development, and resilience. In zinc-deficient soils, our Zincated Urea becomes a vital supplement, ensuring optimal plant health and productivity. Experience the cutting-edge technology of Arihant's liquid emulsion-based slow release fertilizer products, featuring the revolutionary S4 and EA<sup>2</sup> technologies. Our innovative approach sets us apart from the competition, providing you with unparalleled benefits for your plants.

Through our Microfluidisation process, we've developed a game-changing slow-release liquid fertilizer. This innovation not only reduces reliance on traditional fertilizers but also marks a substantial leap towards sustainable agricultural practices. Your plants will absorb nutrients more efficiently and store them within their structure, enabling a controlled, slow release precisely when needed. This breakthrough minimizes the dependence of farmers on conventional fertilizers, contributing to sustainable and efficient farming practices.

Beyond plant nutrition, Arihant is committed to fortifying the foundation – the soil. Our product incorporates organic components, fostering soil health and complete ecosystems. By enhancing beneficial microbial populations, improving water-holding capacity, and reducing erosion, our formula contributes to a thriving and resilient soil environment.

### Benefits Of Organic + Zincated Urea N - 46% :

- **Increased nutrient use efficiency:** It is designed to deliver nitrogen (N) in a more targeted and controlled manner, allowing for better absorption and utilization by plants.
- **Lower application rates:** It requires lower application rates compared to conventional fertilizer leading to cost savings and reduced fertilizer requirements upto 60-70%.
- **Reduced leaching and volatilization:** It is formulated to minimize nutrient leaching and volatilization leading to improved nutrient retention in the root zone, ensuring that more nitrogen is available to plants.
- **Controlled release of nutrients:** The controlled release of nitrogen aligns with the crop's nutrient requirements, reducing the risk of nutrient overload or deficiency.
- **Improved crop yield and quality:** It contributes to improved crop yield and quality. It supports healthy plant growth, enhances nitrogen availability during critical growth stages, and promotes overall crop productivity. It can also lead to improved crop attributes such as higher protein content, better fruit set, and increased grain yield.
- **Environmental sustainability:** It helps minimize nutrient runoff, groundwater contamination, and greenhouse gas emissions associated with traditional urea fertilizers.
- **Soil improvement:** It enriches the soil with organic matter, which improves soil structure, moisture retention, and nutrient-holding capacity. It promotes the growth of beneficial soil microorganisms, enhances soil fertility, and supports overall soil health.
- **Improved plant vitality:** The organic matter in N-46 helps stimulate soil microbial activity, which enhances nutrient availability and uptake by plants. This leads to improved plant vitality, better stress tolerance, and overall healthier plant growth.
- **Zinc deficiency :** The presence of zinc improves nutrient uptake and utilization, leading to better plant growth and development. It provides plants with a supplementary source of zinc, addressing deficiencies in zinc-deficient soils and ensuring sufficient micronutrient supply for optimal plant growth.

### Recommended stage of usage of Organic + Zincated Urea N - 46% :

Ideally during the tilling stages so that can be utilized right from the beginning for root development and post that it is utilized by the plant throughout its life cycle. Also during the vegetative stage for the lushness in leaves; for the chlorophyll.



### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Total Nitrogen percent by weight, minimum	33.00%	46.00%
Total Zinc (as Zn) percent by weight minimum	3.50%	5.00%
Organic Component (Enzymatic Treated)	2.00%	2.80%
Specific Gravity	1.38 - 1.43	

### Dosage :

Foliar Spray	2 - 3 ml / Litre
Drip Irrigation	1 Litre / acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation, Drip Irrigation or Foliar Spray

### Recommended Crops :

For Fertigation : Grapes, Pomegranate, Banana, Cotton, Tomato, Onion, Sugarcane, Ginger, Turmeric, Watermelon, Floriculture and Protected Cultivation.

For Foliar application : All crops

Organic + NPK Liquid Gel Fertilizer

## Organic 4% + Liquid Urea N 44%

### Description :

Arihant's Organic + Liquid Urea with Organic component - 4% and N-44% is an emulsion-based slow release liquid fertilizer

For generations, Urea has stood as a pinnacle source of Nitrogen for plant growth. Our Organic 4%+ Liquid Urea N-44% harnesses the potential of Urea to enhance root development and promote lush foliage. Nitrogen is a vital component of Chlorophyll. It also plays a significant role as the building block of proteins within plants. It is also responsible for the creation of amino acids and the movement of energy within the plant.

Experience the cutting-edge technology of Arihant's liquid emulsion-based slow release fertilizer products, featuring the revolutionary S4 and EA<sup>2</sup> technologies. Our innovative approach sets us apart from the competition, providing you with unparalleled benefits for your plants.

Through our Microfluidisation process, we've developed a game-changing slow-release liquid fertilizer. This innovation not only reduces reliance on traditional fertilizers but also marks a substantial leap towards sustainable agricultural practices. Your plants will absorb nutrients more efficiently and store them within their structure, enabling a controlled, slow release precisely when needed. This breakthrough minimizes the dependence of farmers on conventional fertilizers, contributing to sustainable and efficient farming practices.

Beyond plant nutrition, Arihant is committed to fortifying the foundation – the soil. Our product incorporates organic components, fostering soil health and complete ecosystems. By enhancing beneficial microbial populations, improving water-holding capacity, and reducing erosion, our formula contributes to a thriving and resilient soil environment.

### Benefits Of Organic 4% + Liquid Urea N 44% :

- **Increased nutrient use efficiency:** It is designed to deliver nitrogen (N) in a more targeted and controlled manner, allowing for better absorption and utilization by plants.
- **Lower application rates:** It requires lower application rates compared to conventional fertilizer leading to cost savings and reduced fertilizer requirements upto 60-70%
- **Reduced leaching and volatilization:** It is formulated to minimize nutrient leaching and volatilization leading to improved nutrient retention in the root zone, ensuring that more nitrogen is available to plants.
- **Controlled release of nutrients:** The controlled release of nitrogen aligns with the crop's nutrient requirements, reducing the risk of nutrient overload or deficiency.
- **Improved crop yield and quality:** It contributes to improved crop yield and quality. It supports healthy plant growth, enhances nitrogen availability during critical growth stages, and promotes overall crop productivity. It can also lead to improved crop attributes such as higher protein content, better fruit set, and increased grain yield.
- **Environmental sustainability:** It helps minimize nutrient runoff, groundwater contamination, and greenhouse gas emissions associated with traditional urea fertilizers.
- **Soil improvement:** It enriches the soil with organic matter 4%, which improves soil structure, moisture retention, and nutrient-holding capacity. It promotes the growth of beneficial soil microorganisms, enhances soil fertility, and supports overall soil health.
- **Improved plant vitality:** The organic matter helps stimulate soil microbial activity, which enhances nutrient availability and uptake by plants. This leads to improved plant vitality, better stress tolerance, and overall healthier plant growth.

### Recommended stage of usage of Organic 4% + Liquid Urea N 44% :

Ideally during the tilling stages so that can be utilized right from the beginning for root development and post that it is utilized by the plant throughout its life cycle. Also during the vegetative stage for the lushness in leaves; for the chlorophyll.



### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Total Nitrogen percent by weight, minimum	32.00%	44.00%
Organic Component (Enzymatic Treated)	3.00%	4.00%
pH (1% solution)	6.0-7.0	
Trace Elements (EDTA)	Yes	
Specific Gravity	1.32 - 1.37	

### Dosage :

Foliar Spray	2 - 3 ml / Litre
Drip Irrigation	1 Litre / acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation, Drip Irrigation or Foliar Spray

### Recommended Crops :

For Fertigation : Grapes, Pomegranate, Banana, Cotton, Tomato, Onion, Sugarcane, Ginger, Turmeric, Watermelon, Floriculture and Protected Cultivation

For Foliar application : All crops



Organic + NPK Liquid Gel Fertilizer

## Organic 20% + Liquid Urea 44%

### Description :

Arihant's Organic + Liquid Urea with Organic component - 20% and N-44% is an emulsion-based slow release liquid fertilizer .

For generations, Urea has stood as a pinnacle source of Nitrogen for plant growth. Our Organic 20%+ Liquid Urea N-44% harnesses the potential of Urea to enhance root development and promote lush foliage. Nitrogen is a vital component of Chlorophyll. It also plays a significant role as the building block of proteins within plants. It is also responsible for the creation of amino acids and the movement of energy within the plant.

Experience the cutting-edge technology of Arihant's liquid emulsion-based slow release fertilizer products, featuring the revolutionary S4 and EA<sup>2</sup> technologies. Our innovative approach sets us apart from the competition, providing you with unparalleled benefits for your plants.

Through our Microfluidisation process, we've developed a game-changing slow-release liquid fertilizer. This innovation not only reduces reliance on traditional fertilizers but also marks a substantial leap towards sustainable agricultural practices. Your plants will absorb nutrients more efficiently and store them within their structure, enabling a controlled, slow release precisely when needed. This breakthrough minimizes the dependence of farmers on conventional fertilizers, contributing to sustainable and efficient farming practices.

Beyond plant nutrition, Arihant is committed to fortifying the foundation – the soil. Our product incorporates organic components, fostering soil health and complete ecosystems. By enhancing beneficial microbial populations, improving water-holding capacity, and reducing erosion, our formula contributes to a thriving and resilient soil environment.

### Benefits Of Organic 20% + Liquid Urea 44% :

- **Increased nutrient use efficiency:** It is designed to deliver nitrogen (N) in a more targeted and controlled manner, allowing for better absorption and utilization by plants.
- **Lower application rates:** It requires lower application rates compared to conventional fertilizer leading to cost savings and reduced fertilizer requirements upto 60-70%
- **Reduced leaching and volatilization:** It is formulated to minimize nutrient leaching and volatilization leading to improved nutrient retention in the root zone, ensuring that more nitrogen is available to plants.
- **Controlled release of nutrients:** The controlled release of nitrogen aligns with the crop's nutrient requirements, reducing the risk of nutrient overload or deficiency.
- **Improved crop yield and quality:** It contributes to improved crop yield and quality. It supports healthy plant growth, enhances nitrogen availability during critical growth stages, and promotes overall crop productivity. It can also lead to improved crop attributes such as higher protein content, better fruit set, and increased grain yield.
- **Environmental sustainability:** It helps minimize nutrient runoff, groundwater contamination, and greenhouse gas emissions associated with traditional urea fertilizers.
- **Soil improvement:** It enriches the soil with organic matter 4%, which improves soil structure, moisture retention, and nutrient-holding capacity. It promotes the growth of beneficial soil microorganisms, enhances soil fertility, and supports overall soil health.
- **Improved plant vitality:** The organic matter helps stimulate soil microbial activity, which enhances nutrient availability and uptake by plants. This leads to improved plant vitality, better stress tolerance, and overall healthier plant growth.

### Recommended stage of usage of Organic 20% + Liquid Urea 44% :

Ideally during the tilling stages so that can be utilized right from the beginning for root development and post that it is utilized by the plant throughout its life cycle. Also during the vegetative stage for the lushness in leaves; for the chlorophyll.



### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Total Nitrogen percent by weight, minimum	32.00%	44.00%
Organic Component (Enzymatic Treated)	15.00%	20.00%
pH (1% solution)	6.0-7.0	
Trace Elements (EDTA)	Yes	
Specific Gravity	1.30 - 1.38	

### Dosage :

Foliar Spray	2 - 3 ml / Litre
Drip Irrigation	1 Litre / acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation, Drip Irrigation or Foliar Spray

### Recommended Crops :

For Fertigation : Grapes, Pomegranate, Banana, Cotton, Tomato, Onion, Sugarcane, Ginger, Turmeric, Watermelon, Floriculture and Protected Cultivation

For Foliar application : All crops

Organic + NPK Liquid Gel Fertilizer

## ORGANIC + DAP Liquid 18:46:00

### Description :

Arihant's Organic +Dap Liquid 18:46:00 is a concentrated phosphate-based fertilizer that is ideal for farmers. It is a slow-release liquid solution that provides essential phosphorus nutrition for plants, aiding in RNA and DNA formation, cell division, root development, and seed production. Phosphorus is also crucial for photosynthesis and sugar metabolism.

Plant roots only absorb phosphorus from the soil when it is dissolved in soil water. Since this NP mixture has Phosphorus in principal amounts, it also helps in cell division and facilitates growth during root development stages. Similarly, it plays a vital role in seed production stages. It is a very commonly used NP mixture in the form of DAP (Diammonium Phosphate). Phosphorus must be replenished from soil minerals and organic matter to replace the deficient concentrations present in soil water.

Plant roots generally absorb P as inorganic orthophosphate ions ( $\text{HPO}_4^{2-}$  or  $\text{H}_2\text{PO}_4^-$ ). Phosphorus present in soil organic matter is not available for plant uptake until soil microbes convert the organic compounds into simple inorganic phosphate. This is precisely where phosphate-based fertilizers play their part.

Arihant's liquid emulsion-based slow-release fertilizer products, featuring the revolutionary S4 and EA<sup>2</sup> technologies, offer unparalleled benefits for plants. The Microfluidisation process in the product reduces reliance on traditional fertilizers and contributes to sustainable agricultural practices. The product allows plants to absorb nutrients more efficiently and store them within their structure, enabling controlled, slow release precisely when needed. This breakthrough minimizes farmers' dependence on conventional fertilizers and contributes to sustainable farming practices.

Arihant's product also fortifies the soil by incorporating organic components, fostering soil health and complete ecosystems. By enhancing beneficial microbial populations, improving water-holding capacity, and reducing erosion, the formula contributes to a thriving and resilient soil environment.

### Benefits Of ORGANIC + DAP Liquid 18:46:00 :

- **Soil pH Optimization and Root Development:** Helps optimize soil pH levels, fostering favorable conditions for robust root development.
- **Quality Improvement for Leaf and Forage Crops:** High nitrogen content enhances the quality of leaf and forage crops.
- **Stimulation of Plant Processes and Faster Growth:** Elevated phosphorus levels stimulate plant processes, promoting faster and earlier growth.
- **Increased Yield and Reduced Crop Defects:** Contributes to increased yield and reduced crop defects.
- **Essential for Seed Formation and Grain Crop Quality:** Essential for seed formation, improving the quality of grain crops.
- **Supports Normal Growth and Maturity:** High phosphorus concentrations support normal growth and maturity.
- **Effective for Flowering and Fruit Set:** Contributes to greater flowering and fruit set.
- **Enhances Plant Resilience to Unfavorable Environmental Conditions:** Plays a major role in helping plants cope with unfavorable environmental conditions.
- **Solubility and Accessibility for Efficient Nutrient Uptake:** Being in liquid form ensures easy solubility and accessibility to plant roots, promoting efficient nutrient uptake.
- **Beneficial for specific crops like flowering plants, fruiting crops, and root vegetables.**
- **Organic components enrich fertilizer, providing additional nutrients and improving soil health.**
- **Organic components enhance water-holding capacity, improve aeration, enhance microbial activity, aid in nutrient retention, and reduce soil erosion risk.**

### Recommended stage of usage of ORGANIC + DAP Liquid 18:46:00 :

This fertilizer can be used during the initial seedling stage, and root development stages and can be used until the flowering stages since both Nitrogen and Phosphorus are present in this fertilizer abundantly and can help during the initial developmental stages of the plant life cycle.



### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Total Nitrogen (N), Min.	13.00%	18.00%
Phosphorous ( $\text{P}_2\text{O}_5$ )	34.00%	46.00%
Organic Component (Enzymatic Treated)	10.00%	14.00%
pH (1% solution)	6.0 - 7.0	
Trace Elements (EDTA)	Yes	
Specific Gravity	1.35-1.40	

### Dosage :

Foliar Spray	2 - 3 ml / Litre
Drip Irrigation	1 Litre / acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation, Drip Irrigation or Foliar Spray

### Recommended Crops :

**For Fertigation :** Fruiting crops such as tomatoes, peppers, cucumbers, eggplants, strawberries and melons. Root vegetables like carrots, beets, radishes and potatoes. Leafy green vegetables, including lettuce, spinach, kale, cabbage, ornamental plants and leguminous crops.

**For Foliar application:** All crops

Organic + NPK Liquid Gel Fertilizer

## ORGANIC + CALCIUM - MAGNESIUM LIQUID

### Description :

Introducing our Organic + Calcium Magnesium Liquid – a dynamic fusion of essential secondary nutrients. This revolutionary blend serves as a highly effective alternative to traditional soil conditioners, encompassing the key elements needed for robust plant growth in a readily absorbable form.

Calcium, a cornerstone of plant development, acts as the structural backbone for cell walls and membranes. Beyond structural support, it catalyzes enzymes like amylase crucial for germination and facilitates the movement of carbohydrates within the plant. With a focus on root structure development, especially at the tips and meristems, our formula ensures comprehensive plant nourishment. Complementing this, our liquid fertilizer enriches your plants with vital magnesium. As a central player in chlorophyll molecules, magnesium significantly contributes to photosynthesis and overall energy production. It further aids enzyme activation and nutrient absorption, ensuring plants thrive with access to this indispensable nutrient.

This dynamic nutrient duo provides an unparalleled boost to plant health, offering nourishment and nutrition that cannot be easily substituted. Powered by Arihant's pioneering S4 and EA2 technology, our emulsion-based microfluid slow-release fertilizer surpasses the competition, delivering nutrients with precision and efficiency.

But it doesn't end there. Our commitment to holistic plant well-being extends to the soil. Enriched with organic components, our product enhances soil health and fosters complete soil ecosystems by nurturing beneficial microbial populations. This organic infusion improves water-holding capacity, mitigates erosion, and brings a multitude of benefits to your soil.

### Benefits Of ORGANIC + CALCIUM - MAGNESIUM LIQUID :

- **Drought and Disease Resistance:** Boosts plant resilience against drought conditions. Enhances the plant's natural defense mechanisms, reducing susceptibility to diseases.
- **Chlorophyll Production:** Improves chlorophyll production for healthier and more vibrant plants. Strengthens the foundation for robust photosynthesis.
- **Cell Wall Health:** Enhances the health of cell walls, providing structural integrity to plant cells. Contributes to overall plant stability and growth.
- **Leaf Color, Fruit Quality, and Shelf-Life:** Elevates leaf color, resulting in lush and vibrant foliage. Improves fruit quality and extends shelf-life.
- **Fruit Development and Cracking Prevention:** Promotes healthy fruit development by preventing cracking. Facilitates uniform and robust growth.
- **Increased Calcium Content:** Greater leaf, flower, and fruit calcium content reduces the risk of physical damage. Enhances resilience to physiological breakdown, ensuring sustained plant health.
- **Magnesium Deficiency Prevention:** Acts as a preventive measure against magnesium deficiencies. Maintains a balanced nutrient profile for optimal plant performance.
- **Prevention of Calcium-Linked Disorders:** Guards against various calcium-related disorders, ensuring plant well-being.
- **Organic Soil Enrichment:** Infuses organic components for improved soil structure. Enhances nutrient retention, promoting microbial activity and increasing soil fertility.

### Recommended stage of usage of ORGANIC + CALCIUM - MAGNESIUM LIQUID :

It is ideal to use this product during the root development stages since calcium helps strengthen the root tips, and also during the flowering and fruiting stages since both magnesium and calcium assist in the activation of enzymes.



### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Total Nitrogen percent by weight, minimum	10.0%	
Nitrate nitrogen percent, by weight, min.	8.5%	
Water soluble calcium as CaO percent, by weight min.	15.0%	
Water Soluble magnesium as MgO percent, by weight, min.	2.0%	
pH (1% solution)	6.0-7.0	
Specific Gravity	1.50 - 1.55	

### Dosage :

Foliar Spray	2 - 3 ml / Litre
Drip Irrigation	500 ml - 1 Litre / acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation, Drip Irrigation or Foliar Spray

### Recommended Crops :

For Fertigation : Grapes, Pomegranate, Banana, Cotton, Tomato, Onion, Sugarcane, Ginger, Turmeric, Watermelon, Floriculture and Protected Cultivation

For Foliar application : All crops



# Arihant

Empowering Farmers



Organic + NPK Liquid Gel Fertilizer

## Organic + Super Phosphoric Acid 70% Liquid

### Description :

Super Phosphoric Acid 70% - the ultimate solution for optimizing plant nutrition, soil health, and irrigation efficiency. With its multi-functionality and rich source of phosphorus, our product is designed to meet the diverse needs of farmers, horticulturists, and growers. Whether you're cultivating greenhouse crops, tending to open field crops, or nurturing fruit trees, Super Phosphoric Acid 70% is your trusted ally. Experience the power of concentrated plant nutrition, pH adjustment capabilities, and efficient irrigation system cleansing. Get ready to unlock the true potential of your crops and achieve remarkable yields.

Our in-house research-based innovative manufacturing process of Microfluidisation guarantees enhanced nutrient absorption and utilization. Its unique polyphosphate structure enables better nutrient uptake by the plant's root system, ensuring efficient nutrient utilization and reducing wastage.

### Specifications :

#### Nutrient Content

Base	Liquid
Total Phosphorous (as $P_2O_5$ ) percent by weight,min	70.00%
Poyphosphate (as $P_2O_5$ ) percent by weight,min	19.00%
Methanol insoluble matter, percent by weight,max	1.00%
Magnesium as MgO, percent by weight ,max	0.5%
Specific Gravity	1.95 - 2.00

### Dosage :

Foliar Spray 1 to 2 Kgs Per Acre

### Packing :

200 Itr HDPE Barrel

### Method Of Application :

Recommended for soil application by drenching or through drip irrigation system.

### Recommended Crops :

It is suitable for Fruit Crops, Vegetable Crops, Flower Crops, Plantation Crops, Spices and Condiments Crops, Medicinal Crops, Aromatic Crops and Gardening Plants

### Benefits Of Organic + Super Phosphoric Acid 70% Liquid :

- Super Phosphoric Acid 70% is a concentrated and easily absorbable source of phosphorus for plants.
- Multi-function agent for plant nutrition, pH adjustment, and irrigation equipment cleansing
- It ensures optimal nutrient availability, promoting healthy growth, root development, and overall plant vigor.
- It supports flowering and fruiting, resulting in increased crop yields.
- It is ideal for pH adjustment, especially in alkaline and calcareous soils.
- It enhances soil health by preventing and correcting phosphorus deficiencies, resulting in stronger and more resilient plants.
- By balancing soil pH, it creates an optimal environment for nutrient uptake and utilization.
- It helps break down organic matter, enhancing nutrient release and microbial activity.
- Rich source of phosphorus, ideal for greenhouse crops, open field crops, and fruit trees.
- Cleanses irrigation equipment, removing lime deposits for efficient water flow.
- Organic component increases the soil's water-holding capacity, improves aeration and enhances microbial activity.
- It also aids in nutrient retention and reduces the risk of soil erosion.

Organic + NPK Liquid Gel Fertilizer

## ORGANIC + NPK Liquid Gel 03:50:50

### Description :

The ORGANIC + NPK Liquid Gel 03:50:50 is a highly concentrated emulsion, combining macro and chelated micro elements along with an organic component proven to stimulate root development in plants. Tailored to maximize crop production, especially for crops susceptible to stress conditions like high temperatures, soil variations, moisture levels, and diseases, this fertilizer is formulated to supply essential nutrients to both seedlings and mature plants.

The phosphorus and potassium combination in the ORGANIC + NPK 03:50:50 is particularly advantageous for flowering and fruiting plants. Adequate phosphorus encourages flower formation and improves fruit set, while potassium supports fruit development, quality, and taste. This fertilizer can enhance flower and fruit production, resulting in higher yields and improved crop quality.

The organic component not only provides essential nutrients but also contributes organic matter to the soil. This improves soil structure, enhances moisture retention, and boosts nutrient-holding capacity. Furthermore, it promotes the growth of beneficial soil microorganisms, contributing to overall soil fertility.

Through an innovative process of Micro fluidisation, this liquid gel fertilizer boasts a slow-release mechanism. This innovation, coupled with S4 and EA<sup>2</sup> technologies, reduces farmers' reliance on traditional fertilizers, marking a significant stride toward sustainable and effective agricultural practices. By incorporating these advanced technologies, the product distinguishes itself from the competition, offering unparalleled benefits for plant growth and development.

### Benefits Of ORGANIC + NPK Liquid Gel 03:50:50 :

- **Complete Nutrition:** Comprehensive nutrient source providing essential elements for robust plant growth.
- **Versatile Use:** Ideal for the entire crop cycle, promoting sustained health and vigorous growth.
- **Stress Resilience:** Enhances resistance to both biotic and abiotic stress, fortifying crops.
- **Foliar Tonic:** Multi-dimensional tonic for cell strength and high brix levels.
- **Early Growth Boost:** Facilitates early germination and robust seedling development.
- **Metabolic Support:** Boosts plant metabolism for overall vitality.
- **Root and Canopy Enhancement:** Stimulates root and top growth, improving plant structure.
- **Photosynthesis Optimization:** Enhances stomatal growth and chlorophyll synthesis for efficient photosynthesis.
- **Stress Prevention:** Prevents leaf, flower, and fruit drop under stress conditions.
- **Optimal Crop Development:** Facilitates better grain/fruit development, resulting in superior quality and increased yield.
- **Enriched with Organics:** Adds organic matter to soil, improving nutrient content and overall soil health.
- **Sustainable Soil Improvement:** Improves water-holding capacity, aeration, microbial activity, and reduces soil erosion risk.

### Recommended stage of usage of ORGANIC + NPK Liquid Gel 03:50:50 :

This NPK mixture is best for the flowering and fruiting stages of the crop life cycle.

### Recommended Crops :

**For Fertigation :** Vegetable crops, Flower crops, Spices, plantations and condiment crops, medicinal & aromatic crops.

**For Foliar application:** All crops

### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Organic Nitrogen N	1.80%	3.00%
Phosphorous (P <sub>2</sub> O <sub>5</sub> )	30.00%	50.00%
Potassium (K <sub>2</sub> O)	30.00%	50.00%
Magnesium MgO	0.80%	1.30%
Iron (EDTA) Fe	0.098%	0.15%
Zinc (EDTA) Zn	0.052%	0.084%
Copper (EDTA) Cu	0.045%	0.072%
Manganese (EDTA) Mn	0.048%	0.076%
Boron B	0.020%	0.032%
Cobalt (EDTA) Co	0.0006%	0.00096%
Molybdenum Mo	0.0009%	0.0014%
Organic Component (Enzymatic Treated)	20.50%	32.00%
pH (10% solution)	6.5 - 7.0	
Specific Gravity (at 18°C)	1.65 - 1.70	

### Dosage :

Foliar Spray	2 - 3 ml / Litre
Drip Irrigation	500 ml. - 1 Litre / acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation, Drip Irrigation or Foliar Spray





### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Phosphorous (P <sub>2</sub> O <sub>5</sub> )	30.00%	50.00%
Potassium (K <sub>2</sub> O)	30.00%	50.00%
Organic Component (Enzymatic Treated )	20.50%	32.00%
pH (1% solution)	6.5 - 7.0	
Trace Elements (EDTA)	Yes	
Specific Gravity	1.65 - 1.70	

### Dosage :

Foliar Spray	1.5 - 2 ml / Litre
Drip Irrigation	500 ml. / acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation, Drip Irrigation or Foliar Spray

### Recommended Crops :

**For Fertigation :** Vegetable crops, Flower crops, Spices, plantations and condiment crops, medicinal & aromatic crops.

**For Foliar application :** All crops

Organic + NPK Liquid Gel Fertilizer

## ORGANIC + NPK Liquid Gel 00:50:50

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### Description :

ORGANIC + NPK 00:50:50 is a highly concentrated emulsion containing macro and chelated micro elements. It includes organic component which has proven beneficial effects upon plants by stimulating root development. It is useful to maximise the production of crops at risk of damage from stress conditions, caused by high temperatures, soil conditions, moisture availability and disease. It is formulated to supply seedlings and more mature plants with essential nutrients.

The phosphorus and potassium combination in the ORGANIC + NPK 00:50:50 is particularly advantageous for flowering and fruiting plants. Adequate phosphorus encourages flower formation and improves fruit set, while potassium supports fruit development, quality, and taste. This fertilizer can enhance flower and fruit production, resulting in higher yields and improved crop quality.

The organic component contributes organic matter to the soil, improving soil structure, moisture retention, and nutrient-holding capacity. They help enhance soil fertility and promote the growth of beneficial soil microorganisms.

Using our in-house research-based innovative process of Micro fluidisation, we have developed an innovative slow-release liquid gel fertilizer. Notably, this innovation reduces farmers' reliance on traditional fertilizers, marking a significant step towards sustainable and effective agricultural practices. Our innovative S4 and EA<sup>2</sup> technologies sets us apart from the competition, providing you with unparalleled benefits for your plants.

### Benefits Of ORGANIC + NPK Liquid Gel 00:50:50 :

- Complete Food for plants with essential nutrients
- Can be used throughout crop cycle to strengthen the overall plant health and obtain vigorous growth.
- Ideal to provide plants with increased resistance to biotic and abiotic stress.
- It is a multi-dimensional foliar tonic for cell-strengthening & brix-building
- Results in early germination and vigorous seedling growth
- Boosts metabolism of plant
- Promotes root and top growth. Increases root mass and boosts canopy
- Enhances stomatal growth & chlorophyll synthesis.
- Prevents leaf, flower and fruit drop under stressed conditions
- Better development of grains/fruits results in higher weight and size
- Delivers superior quality of produce & higher yield
- The addition of organic components enriches the fertilizer with organic matter, providing additional nutrients and improving overall soil health.
- Organic component increases the soil's water-holding capacity, improves aeration, and enhances microbial activity. It also aids in nutrient retention and reduces the risk of soil erosion.

### Recommended stage of usage of ORGANIC + NPK Liquid Gel 00:50:50 :

This NPK mixture is best for the flowering and fruiting stages of the crop life cycle.

Organic + NPK Liquid Gel Fertilizer

## ORGANIC + NPK Liquid Gel 10:26:26

### Description :

A complex fertilizer mixture of all three primary macronutrients, Organic + NPK Liquid Gel 10:26:26 is an all-around solution that delivers Nitrogen (N), Phosphorus (P), and Potassium (K) in a fixed ratio.

With a higher ratio of P and K, you can get a complete solution for macronutrient deficiency of all three primary nutrients. Nitrogen which is the most readily found nutrient in the atmosphere may be needed in lesser quantities for some crops in certain soil types. With the benefits of vigorous enzyme activation within the plant that helps the plant grow and become strong enough to fight stress conditions, and a robust root development system, this product also delivers excellent vegetative growth. It helps secrete amino acids and build proteins within the plant.

Through an innovative process of Micro fluidisation, this liquid gel fertilizer boasts a slow-release mechanism. This innovation, coupled with S4 and EA<sup>2</sup> technologies, reduces farmers' reliance on traditional fertilizers, marking a significant stride toward sustainable and effective agricultural practices. Efficient nutrient absorption and storage within plant structures ensure a controlled, precise release. By incorporating these advanced technologies, the product distinguishes itself from the competition, offering unparalleled benefits for plant growth and development.

Having the added benefit of organic components, this product not only delivers in nutrient efficiency but also makes the soil healthier and helps reduce soil pollution compared to conventional NPK fertilizers.

### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Total Nitrogen	6.50%	10.00%
Phosphorus (P <sub>2</sub> O <sub>5</sub> )	17.00%	26.00%
Potassium (K <sub>2</sub> O)	17.00%	26.00%
Organic Component (Enzymatic Treated)	10.00%	15.00%
pH (1% solution)	6.0 - 7.0	
Trace Elements (EDTA)	Yes	
Specific Gravity	1.50 - 1.55	

### Dosage :

Foliar Spray	2 - 3 ml / Litre
Drip Irrigation	500 ml. - 1 Litre / acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation, Drip Irrigation or Foliar Spray

### Recommended Crops :

It can be used for almost all cereals, pulses, leafy vegetables, and other vegetative and fruit-bearing crops.

For example Grapes & Banana, Citrus, Mango, Tomato, Corn, Pomegranate, Groundnut, Cotton, Soyabean, Coconut, Potato, Brinjal, Onion, Garlic, Cumin, Chillies, Beans, Okra, Pea, Tomato, Cabbage.

### Benefits Of ORGANIC + NPK Liquid Gel 10:26:26 :

- **Balanced nutrient ratio:** The balanced NPK ratio of 10-26-26 provides a proportional supply of nitrogen (N), phosphorus (P), and potassium (K). This balance supports overall plant growth, development, and productivity.
- **Promotes root development:** The moderate phosphorus content in the fertilizer stimulates root growth, leading to stronger and healthier root systems. It enhances nutrient uptake, water absorption, and plant resilience.
- **Flowering and fruiting promotion:** The elevated phosphorus and potassium levels in the NPK 10-26-26 fertilizer are particularly beneficial for flowering and fruiting plants. They support flower formation, fruit development, and improved fruit quality and yield.
- **Enhances plant health and stress tolerance:** Potassium plays a vital role in plant health and stress tolerance. The higher potassium content in the fertilizer helps plants withstand environmental stressors such as drought, temperature fluctuations, and diseases. It supports overall plant vitality and resilience.
- **Improves nutrient availability:** It contains organic components that enhance nutrient availability in the soil. These components help release nutrients gradually, ensuring a sustained and consistent nutrient supply to plants.
- **Supports soil fertility:** Organic components contribute to soil fertility by enriching it with organic matter and beneficial microorganisms. They help improve soil structure, moisture retention, and nutrient-holding capacity, promoting a healthy growing environment for plants.
- **Environmentally friendly:** Organic components support sustainable agriculture practices by reducing reliance on synthetic chemicals and promoting soil health.

### Recommended stage of usage of ORGANIC + NPK Liquid Gel 10:26:26 :

Being an all-around NPK solution, it can be applied during any stage of plant growth; however, ideally, it can be applied during the vegetative stage and fruiting stages of the plant life cycle since that is when the plants generally need nutrients the most.

Organic + NPK Liquid Gel Fertilizer

## ORGANIC + NPK Liquid Gel 19:19:19

### Description :

A product that is one of the most widely used variations of the NPK mixture fertilizers is NPK 19:19:19 which arguably is the most equitable mixture of all the three macronutrients. With Nitrogen, Phosphorus, and Potassium present in an equal ratio of 19:19:19 respectively, this product is the most preferred fertilizer solution for farmers who need all three nutrients without any specific deficiencies or specific nutrient requirements based on crops.

Nitrogen, the most abundant mineral nutrient in plants, is responsible for the increase in yield and improved crop and food quality. It gives a lushness to the leaves and is considered an essential component of all proteins and enzymes.

Simultaneously phosphorus and potassium - a combination that delivers both these nutrients in equal proportion leading to enhanced root development, strong stem and stalk, and a robust DNA and RNA as well as getting a wide range of helpful enzymes helping the plant growth. It also plays a role in the stress-fighting strength of the crop with water movement within the plant.

Through an innovative process of Micro fluidisation, this liquid gel fertilizer boasts a slow-release mechanism. This innovation, coupled with S4 and EA<sup>2</sup> technologies, reduces farmers' reliance on traditional fertilizers, marking a significant stride toward sustainable and effective agricultural practices. Efficient nutrient absorption and storage within plant structures ensure a controlled, precise release. By incorporating these advanced technologies, the product distinguishes itself from the competition, offering unparalleled benefits for plant growth and development.

The inclusion of organic components not only enhance nutrient efficiency but also contribute to soil health, aiding in the reduction of soil pollution compared to conventional NPK fertilizers. This dual benefit underscores the product's environmentally friendly profile.

### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Total Nitrogen percent, min.	13.50%	19.00%
Water Soluble Phosphorous (P <sub>2</sub> O <sub>5</sub> ) percent, min.	13.50%	19.00%
Water Soluble Potassium (K <sub>2</sub> O) percent, min.	13.50%	19.00%
Organic Component (Enzymatic Treated)	12.00%	16.00%
pH (1% solution)	6.0 - 7.0	
Trace Elements (EDTA)	Yes	
Specific Gravity	1.37 - 1.42	

### Dosage :

Foliar Spray	2 - 3 ml / Litre
Drip Irrigation	500 ml. - 1 Litre / acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation, Drip Irrigation or Foliar Spray

### Recommended Crops :

For Fertigation : Grapes, Pomegranate, Banana, Cotton, Tomato, Onion, Sugarcane, Ginger, Turmeric, Watermelon, Floriculture and Protected Cultivation

For Foliar application: All crops

### Benefits Of ORGANIC + NPK Liquid Gel 19:19:19 :

- **Promotes vegetative growth:** The nitrogen content stimulates vegetative growth, including leaf development and overall plant vigor. It helps plants establish a strong foundation for healthy growth and efficient photosynthesis.
- **Supports flowering and fruiting:** The balanced phosphorus content encourages flowering and helps ensure adequate fruit set. It contributes to the development of healthy, high-quality flowers and fruits.
- **Boosts plant health and stress tolerance:** The potassium content helps plants withstand adverse conditions such as drought, temperature fluctuations, and disease. It supports cell function, water regulation, and enzyme activation, promoting optimal plant health and resilience.
- **Enhances root development:** Stronger and more extensive root systems improve nutrient uptake, water absorption and overall plant resilience.
- The balanced nutrition provided by this product can result in increased crop yield and improved quality. Organically activated for better uptake and movement of nutrients.

### Recommended stage of usage of ORGANIC + NPK Liquid Gel 19:19:19 :

Being an all-around NPK solution, it can be applied during any stage of plant growth; however, ideally, it can be applied during the vegetative stage and fruiting stages of the plant life cycle since that is when the plants generally need nutrients the most.

Organic + NPK Liquid Gel Fertilizer

## ORGANIC + NPK Liquid Gel 00:40:55

### Description :

An emulsion-based liquid mixture fertiliser made from the combination of the two essential macronutrients Phosphorus and Potassium in a ratio of 40:55. A combination that delivers both these nutrients in equal proportion leading to enhanced root development, strong stem and stalk and a robust DNA and RNA as well as getting a wide range of helpful enzymes helping the plant growth. It also plays a role in the stress-fighting strength of the crop with the movement of water within the plant.

Using our innovative processes of EA2 and S4 technology, and state-of-the-art microfluidiser technology, we deliver effective products that deliver exceedingly satisfying results for the farmers while being cost-effective as well.

Since Potassium is known as the "Quality" nutrient, it shows an immensely positive effect on quality factors such as size, shape, colour, and vigour of the seed or grain, and improves the fibre quality of cotton.

Being an emulsion-based slow release liquid gel fertilizer, it is very easy for the plants to uptake and the innovative technology used to make this product ensures that farmers get the most out of the product at lesser costs than conventional fertilizers.

Having the added benefit of organic components, this product not only delivers in terms of nutrient efficiency but also makes the soil healthier and helps reduce soil pollution compared to conventional NPK fertilizers.

NPK ratio 00:40:55, you primarily focus on providing a significant amount of phosphorus and potassium to plants. This can be particularly beneficial for crops that require an extra boost in flowering, fruiting, and root development.

### Benefits Of ORGANIC + NPK Liquid Gel 00:40:55 :

- It can be used throughout the crop cycle to strengthen the overall plant health..
- It is a multi-dimensional foliar tonic for cell-strengthening & brix-building
- It helps enhance plant vigor, improves resistance to drought and disease, and contributes to overall plant health and productivity.
- It plays a crucial role in energy transfer, photosynthesis, and overall plant metabolism.
- Beneficial for promoting robust root systems, improving flowering, and enhancing fruit or seed production.
- Enhances stomatal growth & chlorophyll synthesis.
- Prevents leaf, flower and fruit drop under stressed conditions
- Better development of grains/fruits results in higher weight and size
- It aids in the regulation of water uptake, nutrient transport, and enzyme activation within plants.
- The addition of organic components enriches the fertilizer with organic matter, providing additional nutrients and improving overall soil health.
- Organic component increases the soil's water-holding capacity, improves aeration, and enhances microbial activity. It also aids in nutrient retention and reduces the risk of soil erosion.

### Recommended stage of usage of ORGANIC + NPK Liquid Gel 00:40:55 :

This NPK mixture is best for the flowering and fruiting stages of the crop life cycle.

This type of fertilizer is commonly used during the reproductive and maturation stages of the crop cycle, when the plant requires more phosphorus and potassium for the development of flowers, fruits, and seeds.



### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Phosphorous (P <sub>2</sub> O <sub>5</sub> )	24.00%	40.00%
Potassium (K <sub>2</sub> O)	33.00%	55.00%
Organic Component (Enzymatic Treated )	10.00%	17.00%
pH (1% solution)	8.0 - 10.0	
Trace Elements (EDTA)	Yes	
Specific Gravity	1.70 - 1.75	

### Dosage :

Foliar Spray	2 - 3 ml / Litre
Drip Irrigation	500 ml - 1 Litre / acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation, Drip Irrigation or Foliar Spray

### Recommended Crops :

This product can be considered best suited for crops like sugarcane, potato, and sugar beet and all kinds of fruits such as mango, banana, apple, pineapple etc. it is also good for flowering plants in gardens.

Organic + NPK Liquid Gel Fertilizer

## ORGANIC + NPK Liquid Gel 00:50:60

### Description :

The ORGANIC + NPK Liquid Gel 00:50:60 is a specialized emulsion-based liquid fertilizer formulated to provide a balanced combination of essential macronutrients - Phosphorus (P) and Potassium (K) - in a precise ratio of 50:60. This unique blend aims to foster various aspects of plant growth and development, offering benefits such as augmented root development, robust DNA and RNA synthesis, sturdy stem and stalk structure, and heightened stress resistance in crops.

The potassium component in the formulation, known as the "Quality" nutrient, has positive effects on seed or grain size, shape, color, and vigor. Additionally, it improves the fiber quality of cotton, underscoring the fertilizer's impact on enhancing crop quality across various plant types.

The ORGANIC + NPK Liquid Gel 00:50:60 incorporates innovative manufacturing processes such as EA2 and S4 technology, coupled with state-of-the-art microfluidiser technology. These advancements not only ensure the effective delivery of nutrients to plants but also contribute to the cost-effectiveness of the product compared to conventional fertilizers.

Being an emulsion-based slow release liquid gel fertilizer, it is very easy for the plants to uptake and the innovative technology used to make this product ensures that farmers get the most out of the product at lesser costs than conventional fertilizers.

An added advantage of the ORGANIC + NPK Liquid Gel 00:50:60 is the inclusion of organic components. These not only enhance nutrient efficiency but also contribute to soil health, aiding in the reduction of soil pollution compared to conventional NPK fertilizers. This dual benefit underscores the product's environmentally friendly profile.

### Benefits Of ORGANIC + NPK Liquid Gel 00:50:60 :

- Balanced phosphorus and potassium levels can help improve soil fertility over time.
- It helps replenish nutrient levels, enhance nutrient cycling, and contribute to the overall health and productivity of the soil.
- Ideal to provide plants with enhanced disease resistance, improved stress tolerance (such as drought or extreme temperatures), increased photosynthesis efficiency,
- It is a multi-dimensional foliar tonic for cell-strengthening & brix-building
- It can provide targeted nutrition to some crops, optimizing their growth, productivity and overall quality.
- Promotes root and top growth. Increases root mass and boosts canopy
- Enhances stomatal growth & chlorophyll synthesis.
- It can help promote abundant flowers, increased fruit set, and improved yield for crops that heavily rely on fruiting and flowering stages.
- It aids water regulation, and nutrient transport within plants
- The addition of organic components enriches the fertilizer with organic matter, providing additional nutrients and improving overall soil health.
- Organic component increases the soil's water-holding capacity, improves aeration, and enhances microbial activity. It also aids in nutrient retention and reduces the risk of soil erosion.

### Recommended stage of usage of ORGANIC + NPK Liquid Gel 00:50:60 :

This NPK mixture is best for the flowering and fruiting stages of the crop life cycle.



### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Phosphorous (P <sub>2</sub> O <sub>5</sub> )	30.00%	50.00%
Potassium (K <sub>2</sub> O)	35.00%	60.00%
Organic Component (Enzymatic Treated )	5.00%	9.00%
pH (1% solution)	8.0 - 10.0	
Trace Elements (EDTA)	Yes	
Specific Gravity	1.72 - 1.77	

### Dosage :

Foliar Spray	2 - 3 ml / Litre
Drip Irrigation	500 ml. - 1 Litre / acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation, Drip Irrigation or Foliar Spray

### Recommended Crops :

**For Fertigation :** Vegetable crops, Flower crops, Spices, plantations and condiment crops, medicinal & aromatic crops.

**For Foliar application:** All crops



ORGANIC + NPK LIQUID GEL FERTILIZER

## Organic + NPK Liquid Gel 07:40:20

### Description :

Our NPK 07:40:20 liquid gel fertilizer has been carefully formulated to provide balanced nutrition to plants with the inclusion of 75 essential macro- and micro-elements. This advanced fertilizer blend offers optimal nutrient uptake, promotes healthy growth, and enhances overall plant development.

Macro-elements like Nitrogen play a crucial role in promoting leaf and stem development, enhancing chlorophyll production, and boosting overall plant vigor. Phosphorus aids in root development, flowering, and fruiting processes. It also promotes energy transfer within the plants and improves nutrient utilization. Potassium assists in overall plant growth and improves resistance to diseases and stresses. It supports the production of starches, sugars, and oils within the plant.

Some other microelements like iron, zinc, manganese, copper, boron, and molybdenum also play important roles. Iron plays a vital role in chlorophyll synthesis, providing plants with the ability to conduct photosynthesis effectively. Zinc aids in enzyme activity, protein synthesis, and growth regulation. It is necessary for auxin production and essential to the plant's overall development. Manganese promotes enzyme activity, contributing to the metabolic processes required for growth, including chlorophyll production. Copper facilitates the formation of lignin, which is essential for cell wall structure. It also supports enzyme activity and aids in photosynthesis. Molybdenum is involved in the conversion of nitrogen into a usable form by plants. It is vital for nitrogen fixation, plays a role in enzyme production and Boron aids in maintaining cell structure, promoting flowering, and facilitating pollen tube growth for successful reproduction.

In addition to the mentioned elements, our Organic + NPK 07:40:20 liquid gel fertilizer contains a comprehensive range of other essential macro- and micro-elements, including calcium, magnesium, sulfur, nickel, cobalt, and many more. These elements work together to ensure plants receive a well-balanced, nutrient-rich diet.

### Benefits Of Organic + NPK Liquid Gel 07:40:20

- **High Phosphorus Content (40%):** Promotes strong root development, enhances flowering and fruiting, and improves overall plant vigor.
- **Balanced Nitrogen (7%):** Supports healthy foliage growth and aids in chlorophyll production.
- **Potassium (20%):** Enhances resistance to diseases, improves water uptake, and strengthens plant cell walls.
- **Organic Integration :** The organic components in the gel improve soil structure, enhance microbial activity, and increase nutrient availability.
- **Eco-Friendly:** Free from harmful chemicals, making it safe for use in organic farming systems and sustainable agriculture.

### Recommended stage of usage of Organic +NPK Liquid Gel 07:40:20

1. **Early Growth Stage:** Apply once every 15 days to support root development and early plant growth.
2. **Flowering Stage:** Apply every 10 days to enhance flower formation and increase fruit set.
3. **Fruiting Stage:** Continue application every 15 days to support fruit development and improve yield quality.



### Specifications :

Nutrient Content	Wt/Wt
Physical State	Liquid
Nitrogen (N)	7%
Phosphorus (P2O5)	40%
Potassium (K2O)	20%
Purity(%)	100%

### Dosage :

Foliar Spray	2 - 3 ml / Litre
Drip Irrigation	500 to 1 litre /acre

### Packing :

200 lit. HDPE barrel

### Method Of Application

- **Foliar Spray:** Dilute 2-3 ml of Organic NPK Liquid Gel at 07:40:20 per liter of water. Spray evenly on the leaves, ensuring thorough coverage.
- **Soil Application:** Mix 1-2 ml per liter of water and apply directly to the soil around the plant base.
- **Drip Irrigation:** Use 1-2 liters per acre, diluted with water as per system requirements.

ORGANIC + NPK LIQUID GEL FERTILIZER

## Organic+ NPK Liquid Gel 35:10:10

### Description :

A complex fertilizer mixture, Organic + NPK Liquid Gel 35:10:10, delivers Nitrogen (N), Phosphorus (P), and Potash/Potassium (K) in a fixed ratio, with a higher nitrogen content to promote robust root development and vigorous vegetative growth in crops. The high nitrogen concentration enhances enzyme activation within the plant, contributing to its strength and resilience against stress conditions. This leads to improved amino acid secretion and protein synthesis, essential for overall plant health. The liquid gel provides a balanced supply of NPK, enhanced with organic components like hydrolyzed proteins and chlorophyll activators, ensuring healthy plant development.

Potassium aids in water and protein movement within the plant and activates key enzymes necessary for generating Adenosine Triphosphate (ATP), providing energy for various chemical and physiological processes. Additionally, potassium helps plants manage stress conditions effectively.

Arihant's S4 and EA<sup>2</sup> technology further enhances the performance of the emulsion-based slow-release liquid gel fertilizers. This technology allows plants to absorb nutrients efficiently, storing them in specialized pockets for slow release when needed, reducing reliance on conventional fertilizers. The solution is easily water-soluble and can be applied using any irrigation or fertigation method.

### Benefits Of Organic + NPK Liquid Gel 35:10:10

- **Enhanced Early Vegetative Growth:** The high nitrogen content (35%) promotes rapid growth of leaves, stems, and roots, ensuring a strong foundation during the early vegetative stage.
- **Improved Root Development:** Phosphorus (10%) supports robust root development, aiding in better nutrient and water uptake, which is crucial for overall plant health.
- **Strengthened Plant Structure:** Potassium (10%) enhances the plant's resistance to diseases, improves water regulation, and strengthens cell walls, contributing to a sturdy plant structure.
- **Rapid Nutrient Uptake:** The inclusion of urea liquid provides a readily available source of nitrogen, facilitating quick uptake and utilization by plants for immediate growth responses.
- **Enhanced Nutrient Absorption:** Hydrolyzed proteins improve nutrient absorption and foster beneficial microbial activity in the soil, leading to healthier and more fertile soil conditions.
- **Boosted Photosynthesis:** Chlorophyll activators enhance chlorophyll production, resulting in improved photosynthesis, vibrant green foliage, and higher energy production for plant growth.
- **Eco-Friendly and Safe:** Free from harmful chemicals, this fertilizer is safe for use in organic farming systems, ensuring the well-being of beneficial insects, pollinators, and the surrounding environment.
- **Versatile Application Methods:** Suitable for various application methods, including foliar sprays, soil applications, and drip irrigation, providing flexibility for different farming practices.
- **Reduced Chemical Dependency:** By supplying essential nutrients organically, this product helps reduce the reliance on chemical fertilizers, promoting sustainable and eco-friendly agricultural practices.
- **Improved Crop Yield and Quality:** Consistent use of Organic+ NPK Liquid Gel 35:10:10 leads to healthier plants, resulting in higher crop yields and better-quality produce, benefiting farmers economically.
- **Supports Sustainable Agriculture:** Incorporates organic components that improve soil health and structure, supporting long-term sustainability and productivity of agricultural land.
- **Organic Integration:** The organic components in the gel improve soil structure, enhance microbial activity, and increase nutrient availability.

### Recommended stage of usage of Organic +NPK Liquid Gel 35:10:10

- **Early Vegetative Stage:** Apply during the early vegetative stage to support rapid growth and development of true leaves, stems, and roots. This ensures a strong foundation for the plant's future growth and productivity.
- **Usage Guidelines:** Early Vegetative Stage: Apply once every 15 days to promote vigorous growth and development.



### Dosage :

Foliar Spray	2 - 3 ml / Litre
Drip Irrigation	500 to 1 litre /acre

### Packing :

200 lit. HDPE barrel

### Method Of Application :

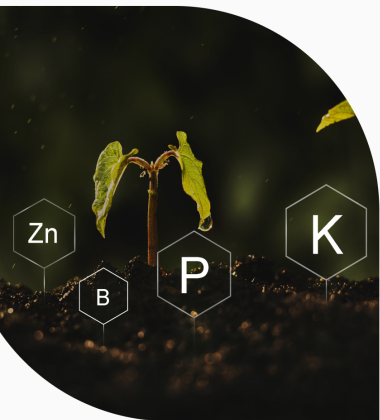
- **Foliar Spray:** Dilute 2-3 ml of Organic+ NPK Liquid Gel 35:10:10 per liter of water. Spray evenly on the leaves, ensuring thorough coverage.
- **Soil Application:** Mix 1-2 ml per liter of water and apply directly to the soil around the plant base.
- **Drip Irrigation:** Use 1-2 liters per acre, diluted with water as per system requirements.

### Composition

- **Urea Liquid:** Provides a readily available source of nitrogen for quick uptake and utilization by plants.
- **Phosphate:** Supplies essential phosphorus to support root development and energy transfer.
- **Potash:** Delivers potassium to enhance plant strength and resistance to stress.
- **Hydrolyzed Proteins:** Enhance nutrient absorption and improve soil health by fostering beneficial microbial activity.
- **Chlorophyll Activator:** Boosts chlorophyll production for improved photosynthesis and vibrant green foliage.



**Green Fields, Bright Futures**



# Nano Micronutrient Fertilizer



Micro Nutrient Liquid Fertilizer

# Zinc Oxide Suspension Concentrate (39.5% Zn)

## Description :

Micronutrients are essential for the crop growth and productivity. Although their requirement is extremely small, the quantity for soil application is quite large and thus expensive. Micronized Zinc Oxide Suspension Concentrate (Zn - 39.5%) is a new generation cost effective suspension solution which acts as a highly effective source of zinc, delivering it directly to the roots of your crops.

Our premium-grade suspension is designed to optimize the growth and development of your crops, ensuring healthy yields and increased profitability. Unleash the Potential of Your Crops With our Zinc Oxide Suspension - Zn 39.5%, you can unlock the full potential of your crops and achieve remarkable results.

## Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Dense suspension concentrate of liquid Zinc (as Zn) per cent by weight, min.	39.5%	
pH (5% Solution)	9.0 + 1	
Arsenic (as As) per cent by weight, max.	0.001	
Lead (as Pb) per cent by weight, max.	0.003	
Cadmium (as Cd) per cent by weight, max. as Cd	0.0025	
Specific gravity (at 15°C)	1.71 - 1.75	

## Dosage :

Foliar Spray	1.5 - 2 ml / Litre
Drip Irrigation	500 ml. / acre

## Packing :

50 Ltr HDPE Carboy

## Method Of Application :

Fertigation, Drip Irrigation or Foliar Spray

## Recommended Crops :

For all crops like Fruit crops, Vegetable crops, Flower crops, Plantation crops, Spices and Condiments, Medicinal crops, Aromatic Crops, and Gardening plants.

## Benefits Of Zinc Oxide Suspension Concentrate (39.5% Zn) :

- **High Zinc Concentration:** Our suspension contains 39.5% zinc, ensuring a potent dose of this essential nutrient for your plants. High concentration of zinc for foliar application can penetrate with good mobility within the plant to prevent and treat zinc deficiency on a wide range of crops.
- **Improved nutrient absorption:** Zinc aids in the absorption of other essential nutrients, such as nitrogen, phosphorus, and potassium, leading to healthier plants.
- **Enhanced photosynthesis:** Zinc is crucial for chlorophyll synthesis, producing better energy and increased crop productivity.
- **Stronger immune systems:** Zinc strengthens plant immunity, helping crops resist diseases and pests, and reducing the need for chemical interventions.
- **Easy Application:** It can be applied via foliar spray or through irrigation systems, ensuring efficient distribution.
- **Quick Absorption:** Our suspension features a unique formulation that enables rapid zinc absorption by the plant roots, facilitating faster nutrient uptake.
- **Formation of auxin:** It is essential in the formation of auxins, which helps in growth regulation and stem elongation.
- **Enzyme activation:** It plays an important role in plants by activating certain enzymes that are responsible for the synthesis of certain proteins.
- **Environmentally Friendly:** Our product is manufactured using environmentally conscious practices, ensuring minimal impact on ecosystems.

## Recommended stage of usage of Zinc Oxide Suspension Concentrate (39.5% Zn) :

It can be used during the root dipping or seed coating process. Foliar application is also effective during critical growth stages when plants require higher levels of zinc. In some cases, it can be applied after harvest to replenish soil zinc levels for the next growing season.

It's crucial to conduct soil tests to determine the zinc levels in your soil accurately. Soil tests can guide you in determining the appropriate application rates and methods for your specific situation.



Micro Nutrient Liquid Fertilizer

# Calcium + Boron Liquid Suspension

## Description :

Arihant's Calcium Boron Liquid is a micronutrient product that delivers both Calcium and Boron to plants. A perfect combination of a secondary nutrient and a micronutrient that play vital roles in the plant growth process respectively. The high level of Calcium and Boron in our formula improves the strength of cell walls and cell division. Calcium and Boron, together make it more resistant to diseases.

Calcium is essential to plants for their growth and nutrition. It is an essential element for the cell structure since it serves as a constituent for cell walls and cell membranes and hence it is also considered as the structural nutrient for the plant. It also plays a vital role in enzyme activation, such as amylase which is involved in the germination process. Calcium also assists in the movement of carbohydrates within the plant. Also, it is essential for root structure development, especially the tips and meristems.

Boron is one of the most critical micronutrients. Deficiency of Boron is the second most commonly found deficiency worldwide after Zinc in plants. Boron plays a key role in a diverse range of plant functions including cell wall formation and stability, maintenance of structural and functional integrity of biological membranes, movement of sugar or energy into growing parts of plants, and pollination and seed set. Adequate B is also required for effective nitrogen fixation and nodulation in legume crops.

With Arihant's innovative S4 and EA<sup>2</sup> technology, our liquid gel-based fertilizer products are a notch above any competition. It also brings in an added benefit of the plants being able to absorb the nutrients and store them in pockets within the plant which facilitates the slow release of nutrients and utilization of the same as and when needed. It also reduces the dependence of farmers on conventional fertilizers to a great extent.

## Benefits Of Calcium + Boron Liquid Suspension :

- Instant uptake of nutrients by the plants resulting in significant and quick improvement in crop.
- Through this application, nutrient uptake efficiency will be enhanced as losses due to leaching volatilization will be minimized.
- Reduces plant stress and prevents fruit-rot and cracking.
- Improves fruit quality, reduces post harvest losses and improves shelf-life.
- High Calcium content aids in cell wall formation, root development, and overall plant growth.
- Being a liquid solution it provides a fast response to nutrient deficiencies or imbalances.
- The combination contribute to better fruit quality attributes, such as improved firmness, color, and flavor.
- Labour expenses will be minimized when compared with conventional fertilizer application.
- The nutrients is textured and cohesively balanced. Hence, this will give better result and excellent yield in all crops like fruits, vegetables, flowers, field crops, foliage crops etc.
- All horticultural crops will give awesome results with Calcium boron liquid.
- Boron Provides solution to problems caused due to boron deficiency like light general chlorosis, a death of growing plant, deformed leaves with areas of discoloration etc.

## Recommended stage of usage of Calcium + Boron Liquid Suspension :

It is ideal to use this product during the root development stages since calcium helps strengthen the root tips and improve root structures. During the vegetative stage, when the plant is actively growing, it can be applied to support vigorous foliage growth and enhance nutrient uptake. Application of Calcium Boron liquid during fruiting and flowering stage can improve fruit quality and reduce the incidence of disorders.



## Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Calcium (as Ca) per cent by weight, min.	11.0%	16.0%
Boron (as B)	2.0%	3.0%
pH (1% Solution)	6.0 - 7.0	
Specific Gravity	1.40 - 1.50	

## Dosage :

Foliar Spray	2 ml / Litre
Drip Irrigation	500 ml. / acre

## Packing :

200 ltr HDPE Barrel

## Method Of Application :

Fertigation, Drip Irrigation or Foliar Spray

## Recommendation Crop :

Apple Trees, Broccoli, Brussels Sprouts, Cabbage, Carrots, Cauliflower, Celery, Cherry Trees, Conifer Trees, Grapes, Lemons, Lettuce, Peach Trees, Peanuts, Peas, Peppers, Tomatoes, Watermelons. Beets, yams, potatoes, sunflowers, soybeans etc.

Micro Nutrient Liquid Fertilizer

# Magnesium Silicon Liquid

## Description :

Our Magnesium Silicon Liquid is a highly effective blend of two essential secondary nutrients, providing a valuable alternative to conventional soil conditioners. This innovative formulation encompasses the crucial components found in traditional soil conditioners, delivering them to plants in a more readily consumable form.

Magnesium Silicon Liquid Fertilizer provides an unparalleled nutrient boost to plants, addressing magnesium and silicon deficiencies comprehensively. This advanced solution stands out for its efficacy in promoting plant health, improving crop quality, and contributing to sustainable farming practices.

With Arihant's innovative S<sup>+</sup> and EA<sup>2</sup> technology, our liquid gel-based fertilizer products are a notch above any competition. Our Microfluidisation process ensures efficient nutrient absorption and storage within plants, enabling controlled, precise release. This innovation reduces reliance on conventional fertilizers, fostering sustainable farming practices.

## Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Magnesium (As Mgo)	08%	12%
Silicon (As SiO <sub>2</sub> )	16%	25%
pH	7.0 -8.0	
Trace Elements (EDTA)	Yes	
Specific Gravity	1.50 - 1.55	

## Dosage :

Foliar Spray	2-3 ml/ltr water
Drip Irrigation	500 ml. / acre

## Packing :

200 ltr HDPE Barrel

## Method Of Application :

Fertigation, Drip Irrigation or Foliar Spray

## Recommendation Crop :

For Fertigation: Grapes, Pomegranate, Banana, Cotton, Tomato, Onion, Sugarcane, Ginger, Turmeric, Watermelon, Floriculture and Protected Cultivation

For Foliar application: All crops

## Benefits Of Magnesium Silicon Liquid :

- **Enhanced Plant Growth:** Magnesium stimulates overall plant growth, while Silicon, as a rich source, aids against various abiotic stresses, promoting a healthier and more resilient plant.
- **Improved Yield and Quality:** Magnesium contributes to increased crop yield and quality, complemented by Silicon's ability to neutralize aluminum toxicity and protect against diseases and pests.
- **Optimized pH and Water Management:** Magnesium helps maintain optimum pH levels and enhances water-holding capacity, working in tandem with Silicon, which reduces irrigation needs and imparts drought resistance to plants.
- **Root and Stem Strength:** Magnesium and silicon together enhance stem strength and root development, providing essential structural support.
- **Photosynthesis and Chlorophyll Content:** Magnesium improves chlorophyll content and photosynthesis, while Silicon further enhances these processes, creating an environment conducive to optimal plant activity.
- **Enzyme Activation and Nutrient Uptake:** Magnesium activates essential plant enzymes crucial for growth, development, and improved nitrogen and phosphorous uptake, synergizing with Silicon's role in nutrient transport.
- **Soil Improvement:** Silicon increases soil porosity, reducing irrigation needs, and improving drought resistance, contributing to overall soil health.
- **Disease and Stress Resistance:** Both Magnesium and Silicon collectively fortify plants against various bacterial, fungal diseases, and abiotic stresses, ensuring a robust defense mechanism.

## Recommended stage of usage of Magnesium Silicon Liquid :

Since magnesium helps in the activation of enzymes, it can be used during the flowering and fruiting stages. It can also be used during stress conditions since silicon is a nutrient that helps fight biotic and abiotic stress.

## Micro Nutrient Liquid Fertilizer

# Boron Ethanolamine 10% Liquid

### Description :

Arihant's Liquid Boron 10% is a liquid micronutrient fertilizer which works as both preventive and curative solution to control the insufficiency and deficiency of boron in the crops. It is a micronutrient product that delivers Boron to plant. Boron is a mobile nutrient within the soil, which means it may keep moving within the soil. The window of applying Boron for plants when they actually need it is very small, and hence it is imperative to make it available to all crops evenly at the same time.

Boron is one of the most critical micronutrients. Deficiency of Boron is the second most commonly found deficiency worldwide after Zinc in plants.

Boron is an important component of the cell wall and reproductive structures. It helps in the movement of sugars within the plant, thus enabling the healthy growth of the plant. It also helps keep the root structures strong. And it also helps in improved uptake of Phosphorus (P) and Potassium (K) by improving the root structures and cell- membranes.

The added benefit of nitrogen in the boron 10% liquid helps stimulate vegetative growth. Nitrogen is crucial for the formation of proteins, enzymes, and chlorophyll, all of which are essential components for healthy plant growth. By providing an adequate nitrogen supply, plants can develop strong roots, lush foliage, and robust stems. Nitrogen plays a significant role in improving nutrient uptake by plants. It helps facilitate the absorption and transportation of other essential nutrients.

### Benefits Of Boron Ethanolamine 10% Liquid :

- It is a micronutrient critical to the growth and health of all crops.
- It promotes better nutrient absorption, leading to improved plant health and productivity.
- It helps in cell wall formation.
- It helps in flower/pollen formation .
- It is also required for effective nitrogen fixation .
- It supports the formation of flowers and fruits, resulting in higher yields and better quality produce.
- Our formula aids in enhancing the plant's resistance to environmental stresses such as drought, heat, and disease.
- It aids in the movement of calcium within plants.
- Adequate boron nutrition improves root uptake of phosphorus (P) and potassium (K).
- It helps control the transport of sugars in plants.
- The liquid form allows for easy and uniform application, ensuring efficient absorption by plants.

### Recommended stage of usage of Boron Ethanolamine 10% Liquid :

Boron 10% liquid can be applied at the root development stages since it helps strengthen root structures. Also it can be applied at the flowering and fruiting stages along with Phosphorus and Potassium fertilizers since it aids the roots in their uptake.



### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Boron (as B)	10.00%	14.00%
Nitrogen	04.50%	06.00%
pH (1% Solution)	6.0 - 7.0	
Specific Gravity	1.35 - 1.40	

### Dosage :

Foliar Spray	2 - 3 ml / Litre
Drip Irrigation	500 ml. / acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation, Drip Irrigation or Foliar Spray

### Recommendation Crop :

Cotton, potato, wheat, oilseeds, onion, apple, mango, lemon cabbage, cauliflower, grapes, capsicum, tomato, beans and horticultural crops, etc.



**Speciality**  
**Product**

Speciality Product

# Diatomite Silicon Granule

## Description :

Amorphous Silicon based Mineral Granule provides Plant available silica to plants. It improves nutrient efficiency of other fertilizers by absorbing nutrients and slowly releasing them when required. It increases water retention and provides improved aeration in soil. Magnesium is often referred to as the "powerhouse behind photosynthesis". Magnesium is vital for plant growth and health as it serves to metabolize carbohydrates. Its use is associated with a fast "green-up" of the plant because of its role in enabling photosynthesis, the resulting product of which is chlorophyll (the green). Adequate calcium levels contribute to strong cell walls, which make plants more resistant to diseases and environmental stress. Collectively these benefits of Soil Care increases yield and quality of crops and plants.

## Benefits Of Diatomite Silicon Granule :

- It increases plant growth, flowering and fruiting.
- It increases crop yield and quality of crop.
- It is a rich source of Plant available Silicon.
- It has high water holding capacity.
- It Neutralizes Aluminium toxicity.
- It unlocks Phosphate and makes it available to plant.
- It reduces use of conventional Fertilizers upto 25-50%
- It protects plants against insect, pests and fungal infection.
- There is reduction in irrigation and gives drought resistance to plants.
- It increases soil porosity.
- It gives strength to the roots and stem of the plant.
- It dramatically increases the cation exchange capacity, stimulating the absorption of nutrients.
- Will increase carbon sequestration.
- The results are visible within 15-20 days initially in the form of colour of the leaves which will be darker and growth will be faster as compared to normal crops without Soil Care.
- It is an essential component of various enzyme systems for energy production, protein synthesis and growth regulation.
- It improves chlorophyll content and photosynthesis of plants.
- It activates many plant enzymes needed for growth and development.
- Contains sulphur which helps in obtaining quality oils in oilseeds and also helps in nodule formation in leguminous crops.

## Features Of Diatomite Silicon Granule :

- For agriculture, horticulture, forestry, and special crops
- Round granules with particularly good spreading properties even at large spreading widths
- Quickly soluble in water and immediately available to plants
- Acts independently of the pH of the soil
- No risk of soil salinization during drought

## Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Granule	
Moisture per cent by weight, Maximum	7.50 %	
Plant available silicon $S_i(OH)_4$ percent by weight minimum	0.08 %	
Silicon ( $S_iO_2$ )	25.00 %	
pH	6.0 - 7.0	
Organic matter	30.00%	
Calcium	12.50 %	
Magnesium ( as Mg )	6.25 %	
Sulphur (as SO)	10.00 %	
Trace Elements	Yes	

## Dosage :

25 Kgs to 50 Kgs. per acre

## Packing :

50 Kgs. HDPE Bags

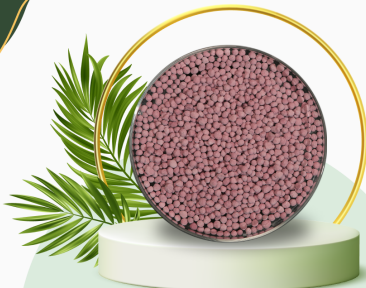
## Method Of Application :

Soil Application

## Recommended Crops :

- All Crops





### Specifications :

Base	Granule
pH	6.0 - 7.0
Organic matter	30.00 %
Silicon (SiO <sub>2</sub> )	10.00%
Calcium (Ca)	15.00%
Magnesium (Mg)	8.00%
Sulphur (SO <sub>4</sub> )	8.00%
Trace Elements	Yes
PGP	Yes

### Packing :

50 Kgs HDPE Bags

### Dosage :

25 Kgs to 50 Kgs per acre

### Method Of Application :

Soil application

Bio Fertilizer

## Enrich Granule Plus PGP

**Arihant**  
Empowering Farmers



### Description :

Enrich Granule PGP features a comprehensive blend of essential nutrients, including calcium (as Ca), magnesium (as Mg), and silicon (Si), in addition to organic matter and Sulphur. These components play pivotal roles in supporting plant growth and soil fertility.

Calcium promotes robust cell wall development, enhancing plant structure and resilience to stress factors. Magnesium is essential for chlorophyll synthesis, facilitating photosynthesis and energy metabolism within plants. Silicon strengthens cell walls, bolstering plants against diseases, pests, and environmental stresses.

By incorporating these vital elements into its formulation, Enrich Granule PGP addresses not only potential nutrient deficiencies in the soil but also promotes holistic plant health and vigour, ultimately contributing to improved crop yields and agricultural sustainability. It also enhances soil aeration, creating an optimal environment for root growth and microbial activity.

This dual-action formula promotes nutrient efficiency, stimulates plant growth, and fosters a healthy soil ecosystem, ultimately leading to increased crop yields and improved crop quality.

### Benefits Of Enrich Granule Plus PGP :

- Promotes a balanced soil ecosystem, enhancing microbial activity and nutrient cycling.
- Enhances nutrient availability through calcium, magnesium, Sulphur and silicon inclusion.
- Enhances plant resilience by enhancing root systems and tolerance to environmental stresses.
- Synergistic effects of nutrient efficiency, enhanced growth, and improved water management contribute to higher crop yields.
- Supports sustainable agriculture by promoting soil health, reducing nutrient runoff, and enhancing plant resilience.
- Enhanced Plant Growth with PGP components stimulates root development and hormone synthesis, promoting faster and healthier plant growth.
- It promotes rapid plant growth and improves chlorophyll production.
- **Enhances Water Management:** Improves water retention in the soil, reduces runoff, and enhances water use efficiency.
- **Strengthens Plant Cell Walls:** Adequate silicon levels strengthen plant cell walls, making plants more resistant to diseases and environmental stress.
- **Fosters Comprehensive Soil Health:** The combined action of CMS and PGP components fosters a healthy soil microbiome for disease suppression and nutrient cycling.

### Recommended Crops :

For All Crops



### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Humic Acid	26%	
Seaweed Extract	40%	
Amino Acid	10%	
Hydrolyzed Protein	10%	
Vitamin	02%	
Fulvic Acid	05%	
Trace Elements (EDTA)	Yes	
Q.S.	07%	
<b>Total</b>	<b>100%</b>	

### Dosage :

Foliar Spray	5-7 gm / 15 ltr water
Drip irrigation	100 gm / acre

### Packing :

25 Kgs HDPE Bags

### Method Of Application :

Fertigation, Drip Irrigation or Foliar Spray

### Recommended Crops :

For Foliar application : All crops

Speciality Product

## Enrich Active Powder

**Arihant**  
Empowering Farmers



### Description :

ENRICH ACTIVE POWDER is an innovative Plant Growth Promoter (PGP) designed to revolutionize agricultural practices and maximize crop yields. This powerful fertilizer contains a unique blend of humic acid, seaweed extract, amino acid, hydrolyzed protein, vitamin, fulvic acid, creating a synergistic effect that promotes robust plant growth and health.

It is suitable for all crops and applications including field crops, potting soil, vegetable and flower gardens, Promotes balanced growth of crops, boost the capacity of immunity and resistance, improves crop quality and increase yield.

Promoting sustainable farming practices, ENRICH ACTIVE POWDER is eco-friendly and fosters a healthier environment while yielding exceptional results. Its user-friendly application makes it suitable for both seasoned farmers and enthusiastic gardeners alike.

### Benefits Of Enrich Active Powder :

- **Greater nutritional value** : Rapidly complement the nutrients, improve the quality of product.
- **Better Root Systems** : Promoting the development of roots.
- **Healthier foliage and fruit appearance** : Thicken, enlarge and balance the leaf growth, supply well-balanced crop nutrients, stimulating cell division, improve the fruit set, improve blossom and fruit set.
- **Greater resistance to disease and pests** : Containing antioxidants to fend off bacteria and viruses and to repel insects. Helps plants to endure environmental stress.
- **Improve seed germination** : Promoting the development of shoots.
- **Natural soil conditioner** : Balance the fecundity of soil and restore the soil conditions.

Speciality Product

# Enrich Active Plus Powder

Bio Stimulant

## Description :

ENRICH ACTIVE PLUS POWDER is an innovative Plant Growth Promoter (PGP) designed to revolutionize agricultural practices and maximize crop yields. This powerful fertilizer contains a unique blend of humic acid, seaweed extract, amino acid, hydrolyzed protein, vitamin, fulvic acid, plant hormones creating a synergistic effect that promotes robust plant growth and health.

It is suitable for all crops and applications including field crops, potting soil, vegetable and flower gardens, Promotes balanced growth of crops, boost the capacity of immunity and resistance, improves crop quality and increase yield.

Promoting sustainable farming practices, ENRICH ACTIVE PLUS POWDER is eco-friendly and fosters a healthier environment while yielding exceptional results. Its user-friendly application makes it suitable for both seasoned farmers and enthusiastic gardeners alike.

## Benefits Of Enrich Active Plus Powder :

- **Greater nutritional value :** Rapidly complement the nutrients, improve the quality of product.
- **Better Root Systems :** Promoting the development of roots.
- **Healthier foliage and fruit appearance :** Thicken, enlarge and balance the leaf growth, supply well-balanced crop nutrients, stimulating cell division, improve the fruit set, improve blossom and fruit set.
- **Greater resistance to disease and pests :** Containing antioxidants to fend off bacteria and viruses and to repel insects. Helps plants to endure environmental stress.
- **Improve seed germination :** Promoting the development of shoots.
- **Natural soil conditioner :** Balance the fecundity of soil and restore the soil conditions.

## Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Humic Acid	26%	
Seaweed Extract	40%	
Amino Acid	10%	
Hydrolyzed Protein	10%	
Vitamin	02%	
Fulvic Acid	05%	
Trace Elements (EDTA)	Yes	
Plant Hormones	07%	
<b>Total</b>	<b>100%</b>	

## Dosage :

Foliar Spray	5-7 gm / 15 ltr water
Drip irrigation	100 gm / acre

## Packing :

25 Kgs HDPE Bags

## Method Of Application :

Fertigation, Drip Irrigation or Foliar Spray

## Recommended Crops :

For Foliar application : All crops



### Dosage :

For Fertilization : Grapes, Pomegranate, Banana, Cotton, Tomato, Onion, Sugarcane, Ginger, Turmeric, Watermelon, Floriculture and Protected Cultivation

For Foliar application : All crops

### Packing :

25 Kgs HDPE Bags

### Method Of Application :

- Seed treatment
- Soil applications
- Root dipping
- Drip Irrigation

### Recommended Crops :

- For All Crops

Speciality Product

## Enzymatic Mycorrhizal VAM Powder

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Empowering Farmers



### Description :

Unleash the Power of Enzymatic Mycorrhiza VAM Powder

Enzymatic Mycorrhiza VAM Powder is a premium, scientifically formulated blend of beneficial mycorrhizal fungi spores that form a symbiotic relationship with plant roots. The enzymatic activation of these fungi allows for faster colonization, resulting in a more efficient and effective mycorrhizal association.

Vascular Arbuscular Mycorrhizal (VAM) is a fungus which has the ability to dissolve the phosphates found in abundance in the soil. Apart from increasing the availability of phosphorus, VAM provides the plants with the necessary strength to resist disease germs and unfavorable weather conditions and to tolerate various pathogenic infections.

VAM Fungi can increase the nutrient uptake of their host plants. Arbuscular mycorrhizal association with the host plant increases the uptake of water and most essential mineral nutrients for their host plant, such as phosphate and nitrogen.

Mycorrhizal VAM provides a biological connection between roots and nutrients present in the soil.

### Benefits Of Mycorrhizal VAM :

- **Enhanced Nutrient Uptake:** Enzymatic Mycorrhiza VAM Powder forms a network of fine filaments, extending the reach of your plant's roots and significantly increasing nutrient and water absorption.
- **Improved Soil Health:** The symbiotic relationship between mycorrhizal fungi and plant roots enhances soil structure, promoting aeration and nutrient retention.
- **Increased Resistance:** Mycorrhizal-infused plants exhibit heightened resistance to environmental stresses, diseases, and pests, ensuring healthier and more vigorous growth.
- **Sustainable Agriculture:** By reducing the need for synthetic fertilizers and chemicals, our Enzymatic Mycorrhiza VAM Powder contributes to a more sustainable and eco-friendly agricultural practice.

### Features of Mycorrhizal VAM :

- Increase yields and crop quality.
- Optimize fertilizer use, especially phosphorus
- Increase tolerance to soil salinity.
- Contribute to maintain soil quality and nutrient:

Speciality Product

## All In One

Bio Stimulant



### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Humic Acid	12%	
Amino Acid	10%	
Seaweed Extract	05%	
Nitrobenzene	05%	
Fulvic Acid	05%	
Vitamin	0.1%	
Trace Elements (EDTA)	Yes	
Q.S.	62.9%	
<b>Total</b>	<b>100%</b>	

### Dosage :

Foliar Spray	1.5 - 2 ml / Ltr
Drip irrigation	500 ml / acre

### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Recommended for soil application by drenching or through drip irrigation system.

### Recommended Crops :

It is suitable for Fruit Crops, Vegetable Crops, Flower Crops, Plantation Crops, Spices and Condiments Crops, Medicinal Crops, Aromatic Crops and Gardening Plants all crops.

### Description :

ALL IN ONE is an innovative Plant Growth Promoter (PGP) designed to revolutionize agricultural practices and maximize crop yields. This powerful fertilizer contains a unique blend of humic acid, amino acid, seaweed extract, nitrobenzene, fulvic acid, vitamin, creating a synergistic effect that promotes robust plant growth and health.

The benefits of ALL IN ONE are manifold. It enhances plant growth and quality, leading to larger, tastier, and more vibrant produce. The PGP's stress-resilient properties enable plants to withstand adverse weather conditions like drought and heat, ensuring their continued growth and vitality. Furthermore, ALL IN ONE maximizes nutrient uptake, providing essential nourishment to plants from within.

Promoting sustainable farming practices, ALL IN ONE is eco-friendly and fosters a healthier environment while yielding exceptional results. Its user-friendly application makes it suitable for both seasoned farmers and enthusiastic gardeners alike.

### Benefits Of All In One Liquid :

- **Enhanced Plant Growth:** It can stimulate root development and improve nutrient uptake, leading to overall enhanced plant growth and vigor.
- **Increased Yield:** By promoting better nutrient absorption and utilization, it increases crop yield and quality.
- **Improved Nutrient Efficiency:** It can enhance the cation exchange capacity of the soil, making nutrients more available to plants and reducing nutrient losses through leaching.
- **Stress Tolerance:** It contribute to improved stress tolerance in plants, helping them cope with adverse environmental conditions such as drought, heat, or disease.
- **Better Flowering and Fruiting:** It enhance flowering and fruiting processes, leading to better fruit set and increased crop productivity.
- **Enhanced Nutrient Chelation:** It can chelate essential micronutrients in the soil, making them more accessible to plants, which could improve nutrient balance and prevent deficiencies.
- **Enhanced Root Development:** Promotes stronger and healthier root systems, enabling plants to access water and nutrients more efficiently.
- **Improved Soil Structure:** It contribute to better soil structure by increasing soil aggregation and reducing soil compaction. ce the fecundity of soil and restore the soil conditions.



Speciality Product

# Flowering & Growth Stimulant

Bio Stimulant



## Dosage :

Foliar Spray : 0.75 to 1 ml / Litre

## Packing :

200 Litre HDPE Barrel

## Method Of Application :

Mix 0.75 to 1 ml in one litre of water and spray according to :

- During early bearing stage
- During early enlarging and flowering stage
- At the time of fruit setting

## Recommended Crops :

- For All Crops

## Description :

Bio stimulants are an important tool for modern agriculture as part of an integrated crop management (ICM) system; helping make agriculture more

sustainable and resilient. Bio stimulants differ from other agricultural inputs such as fertilizers and plant protection products because they utilize different mechanisms and work regardless of the presence of nutrients in the products.

It is a research based product, a combination of naturally available proteins, vitamins and minerals. It is a plant energizer, flowering stimulant and yield booster. It enhances the plant canopy and induces profuse flowering and thereby increases the yield. It can be mixed with any pesticides and fungicides. It improves the immuno power of plants. It helps to maintain the health of crops even in unfavourable environment or stress conditions. It contains substances that stimulate root growth. Stronger and more extensive root systems allow plants to absorb nutrients and water more efficiently, leading to overall healthier growth.

## Benefits of Flowering & Growth Stimulant :

- Promote flower bud differentiation and flower formation.
- Improve fruiting percentage.
- Increase dry matter and the sugar degree of fruit.
- Improve production.
- Promotes growth, increases yield and improves fruit quality.
- Promote beneficial microbial activity in the soil, which can contribute to improved soil health and nutrient cycling.
- Increase the percentage of fruit setting, promotes fruits enlargement.
- Improves the ability of disease resistance and environmental stress.
- Regulates callus differentiation in tissue culture.
- Increase activity of seed germination.
- Spraying during flowering stage can resist fruit dropping and flower dropping.
- Enlarges the size and concentration of sugar in fruits and reduces the amount of malformed fruits.

Speciality Product

## pH Balancer

Antioxidant

### Description :

pH Balancer Liquid is a specialized product designed to adjust the pH level of any agricultural product solutions and to soften water used in agriculture. It is made from high-quality materials that are safe and effective for agricultural use. pH Balancer Liquid is ideal for farmers and growers who want to optimize their fertilizer application and ensure soft water for their spray or fertigation solutions.

A perfect solution to water hardness or unfavourable water and soil pH levels, pH Balancer takes the problems of pH related issues off the growers' minds. It stabilizes and maintains the pH levels of the spray solutions, and that too for a longer duration.

### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Active ingredients Amino Acid and their derivatives	65%	
Q.S.	35%	

### Dosage :

- For normal low pH water (7 to 8) 0.5 ml/L
- For high pH water (pH above 8) - 0.75 to 1 ml/L

### Packing :

200 Litre HDPE Barrel

### Method Of Application :

- Drip Irrigation
- Foliar Spray

### Recommended Crops :

- For All Crops

### Why do you require pH Balancer

The quality and pH of the water have a direct impact on the effectiveness of the fertilizers and other nutrients applied to the plants as a spray or any other irrigating method. When the pH of the water exceeds 7, the concentration of hydroxyl ions (OH<sup>-</sup>) increases high enough to break down the bonds of the chemical structure. This breakdown reduces the performance all types of NPK liquid fertilizers, pesticides, weedicides, herbicides, and plant growth regulators.

Soft water is generally considered more compatible with fertilizers than hard water. This is because soft water contains fewer minerals and dissolved solid, and this ensures a more conducive situation for the plant to absorb the nutrients provided.

Ca and Mg can affect soil structure, nutrient availability, and plant growth. They are important for maintaining the balance of soil nutrients, especially in areas with acidic soils. Such Chemical components present in the fertilizer or the water leave residue that settles in the soil and hardens it, makes it less porous and hence less cultivable. pH balancer plays a vital role in decalcification of the soil by breaking down the salts present in the soil. This eventually increases the porosity and cultivability of the soil.

Our Ph Balancer will neutralize the dissolved salts that inhibit the water's ability to change pH. This in effect will soften the water and help in overcoming phytotoxicity problems.

### Advantage of using pH Balancer :

- Biodegradable spray adjuvant with pH indicator
- Reduces salinity of Soil and performs the role of an acidifier and water hardness reducer.
- Reduces pH of the water to the optimum level required by plants
- It helps to create a favourable environment for plants to thrive, resulting in healthy and productive crops.
- It is a new generation pH balancer that enhances chelating property of fertilizers, micronutrients during spray.
- It is compatible with all types of chemicals and organic inputs.
- It is a 100 % Eco-friendly product.
- It helps to release trapped nutrients in soil and also helps plant to absorb nutrients and spray elements efficiently.
- It controls optimal pH levels, encourages the absorption of nutrients, and stimulates the metabolism of the plant, achieving greater and better growth
- Ease of use as it can be added directly to fertilizers or applied separately.



Speciality Product

## BIO FUNGICIDE

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### Specifications :

Nutrient Content	Wt/Wt	Wt/Vol
Base	Liquid	
Appearance	Dark Brown Liquid	
Organic Component	25%	

### Dosage :

Foliar Spray	1-1.5 ml/ Litre
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### Packing :

200 ltr HDPE Barrel

### Method Of Application :

Fertigation, Drip Irrigation or Foliar Spray

### Recommended Crops :

For all crops like Fruit crops, Vegetable crops, Flower crops, plantation crops, Spices and condiments crops, Medicinal crops, Aromatic crops and gardening plants.

### Description :

Bio Fungicide liquid is prepared for foliar application on plants to prevent or correct nutrient deficiency that may limit crop growth and yield. It is nontoxic to plants when applied. It is approved as an effective organic fungicide. It is a broad spectrum protective bio fungicide against key diseases in multiple crops. It also has bactericidal properties which makes it more powerful in disease management. It has finest particle size & better susceptibility providing better efficacy & long lasting effect on target diseases. It controls fungi resistant to other fungicides & is also helpful in resistance management.

### Benefits Of BIO FUNGICIDE :

- It can prevent and treat many kinds of fungi and bacteria.
- It also control many kinds of bacteria on various crops.
- It enriches the soil and provides an essential nutrient to growing plant.
- It has added benefit of organic components which promotes enzymatic activities in plants. It also increases the soil's water-holding capacity, improves aeration and enhances microbial activity.
- It is an effective fungicide to kill various fungi.
- It plays a role as anti virus by inhibiting synthesis of nucleic acids and lipoprotein.
- It helps in protein synthesis and drops early aging of plants and increase the production of fruits and grains.
- It has short residual period, long continuing period of application, not producing anti-toxicity etc.
- The increase of copper inside the plant provides faster healing of damages and makes the penetration of diseases inside the plant more difficult.

### Deficiency Symptoms:

- Chlorophyll production
- Protein Synthesis
- Respiration
- Early aging and yield reduction

### Provides protection against following fungal disease :

- Powdery mildew
- Downy mildew
- Septoria leaf spot
- Anthracnose
- Black spot
- Fire blight

SPECIALTY PRODUCT

# Potassium Thiosulphate

## Description :

**Potassium Thiosulphate** is a clear, chloride-free solution renowned for its high potassium and sulfur content, featuring a minimum of 25% Potash and 17% Sulphur. This versatile fertilizer acts as an effective nitrification inhibitor, which is crucial for crop cultivation and production. It enhances crop resilience against environmental stresses, offering potassium and sulfur in a highly soluble form. **Potassium Thiosulphate** is particularly beneficial as a supplement to N and P starters, addressing nutrient deficiencies in cold soils and promoting root growth. Ideal for chlorine-sensitive crops and sandy soils with low nutrient retention, **Potassium Thiosulphate** optimizes agricultural productivity while supporting sustainable farming practices.

## Specifications :

Nutrient Content	Wt/Wt
POTASSIUM (AS K <sub>2</sub> O)	25.0 % MIN
TOTAL SULFUR (S)	17 % MIN
PHYSICAL PROPERTY	
PHYSICAL APPEARANCE	CLEAR LIQUID SOLUTION
DENSITY (AT 25°C TEMPERATURE)	1.45 - 1.49
PH (5% SOLUTION)	6.5 - 8
SALT OUT TEMPERATURE / FREEZING POINT	-15 °C

## Dosage :

Crops	As Per the Growth Stage
Fruit Crops	2L - 2.5L / Acre
Vegetable Crops	1.5L - 2L / Acre
Cotton & Soybean	2L - 2.5L / Acre

## Packing :

200 li HDPE barrel

## Method Of Application :

Fertigation, Foliar Application

## Recommended Crops :

**Vegetables:** Tomatoes, Potatoes, Peppers, Carrots, Onions, Cabbage, and Broccoli  
**Fruits:** Apples, Citrus fruits (oranges, lemons, etc.), Grapes  
**Strawberries, Blueberries, and bananas**  
**Field Crops:** Corn, Wheat, Rice, Soybeans, Cotton, Barley,  
**Nut Crops:** Almonds, Walnuts, and Pecans  
**Other Crops:** Alfalfa, Turfgrass, Ornamentals

## Benefits Of Potassium Thiosulphate

- 1. Sulfur supply:** Potassium Thiosulfate contains sulfur, which is an essential nutrient for plant growth. Sulfur plays a crucial role in protein synthesis, enzyme activation, and chlorophyll formation. Adding potassium thiosulfate to soil can provide plants with the necessary sulfur, promoting healthier growth and higher yields.
- 2. Nutrient balance:** Potassium Thiosulfate not only supplies sulfur but also provides potassium, another essential nutrient for plants. Potassium is involved in various physiological processes, including osmoregulation, enzyme activation, and carbohydrate metabolism. Using potassium thiosulfate can help maintain a balanced nutrient profile in the soil, ensuring that plants have access to the required amounts of both potassium and sulfur.
- 3. pH neutral:** Unlike some other sulfur-based fertilizers, potassium thiosulfate has a near-neutral pH. This makes it suitable for application on a wide range of soil types. It can be used in both alkaline and acidic soils without significantly affecting the pH of the, making it a versatile choice for various crops.
- 4. Quick availability:** Potassium Thiosulfate is readily soluble in water, allowing for quick nutrient uptake by plants. This fast availability ensures that sulfur and potassium are accessible to the plants when they need them the most, enabling efficient utilization and preventing nutrient deficiencies.
- 5. Compatibility with other fertilizers:** Potassium Thiosulfate is compatible with many other commonly used fertilizers, such as phosphorus and nitrogen-based fertilizers. It can be combined with these fertilizers in a comprehensive nutrient management plan to provide a well-rounded nutrient supply for plants.

## Recommended stage of usage of Potassium Thiosulphate

Potassium Thiosulfate fertilizer is recommended during the early to mid-growth stages of crops, particularly during periods of rapid growth and development. It is especially beneficial during fruiting, flowering, and tuber/bulb formation stages, as it supports strong root development, enhances nutrient uptake, and improves overall crop quality and yield.

SPECIALTY PRODUCT

# CTS- Calcium Thio Sulphate

## Description :

**CTS- Calcium Thio Sulphate** is a versatile and effective nutrient source used primarily in agriculture and horticulture. Composed of calcium (Ca) and thiosulfate ( $S_2O_3$ ), CaTS fertilizer is valued for its unique properties and benefits to plants.

Calcium in CaTS plays a crucial role in cell wall formation and structural integrity, aiding in the overall strength and health of plants. It enhances root development, improves nutrient uptake efficiency, and helps in the regulation of various physiological processes such as enzyme activity and photosynthesis.

Thiosulfate sulfur in CaTS serves as a readily available source of sulfur, essential for protein synthesis and chlorophyll formation. Sulfur deficiency can lead to reduced crop quality and yield, making CaTS particularly beneficial in sulfur-deficient soils or during periods of high crop demand.

CaTS fertilizer is typically applied via fertigation or foliar spray, ensuring efficient and targeted delivery to plants. It is compatible with a wide range of other fertilizers and agrochemicals, allowing for flexible application in various crop management practices.

Overall, Calcium Thiosulfate (CaTS) fertilizer is prized for its dual-action benefits of providing both calcium and sulfur, contributing to improved plant growth, yield, and quality in agricultural settings.

## Benefits Of CTS- Calcium Thio Sulphate

### 1. Improves Soil Structure:

- Calcium helps in the formation and stabilization of soil aggregates, improving soil structure, porosity, and aeration. This leads to better root growth and water infiltration.

### 2. Enhances Nutrient Uptake:

- Calcium aids in the uptake of other nutrients by roots, particularly nitrogen, phosphorus, and potassium. This synergistic effect boosts overall plant nutrition.

### 3. Strengthens Plant Cell Walls:

- Calcium is a key component of cell walls and membranes. Its presence strengthens cell walls, leading to more robust plant structures and better resistance to diseases and pests.

### 4. Provides Essential Sulfur:

- Sulfur is vital for the synthesis of amino acids, proteins, and enzymes. It is also essential for chlorophyll formation and photosynthesis. CaTS supplies sulfur in a readily available form.

### 5. Reduces Soil Salinity:

- Calcium helps in displacing sodium ions from soil particles, thereby reducing soil salinity and mitigating the adverse effects of high sodium levels on plants.

### 6. Promotes Root Development:

- Calcium is crucial for root elongation and development. Enhanced root systems improve water and nutrient uptake, leading to healthier and more productive plants.

### 7. Increases Crop Yield and Quality:

- Adequate calcium and sulfur nutrition results in higher crop yields and improved quality. Fruits and vegetables tend to have better firmness, shelf life, and resistance to post-harvest diseases.

### 8. Compatible with Other Fertilizers:

- Calcium Thiosulfate is compatible with a wide range of fertilizers and can be used in combination with other nutrient solutions to provide a balanced nutrient supply.

## Recommended stage of usage of CTS- Calcium Thio Sulphate

Calcium Thiosulfate (CaTS) fertilizer is best applied via fertigation or foliar spray. For fertigation, apply during active growth stages to ensure calcium and sulfur availability for optimal plant uptake. Dilute CaTS in irrigation water and distribute it evenly across the field. As a foliar spray, apply during the early morning or late afternoon to maximize absorption through the leaves. Follow recommended dosage rates based on crop type, soil conditions, and nutrient requirements to achieve balanced nutrition and maximize crop yield and quality.



## Specifications :

Nutrient Content	Wt/Wt
Base	Liquid
Calcium Content (Ca)	15% by weight
Sulfur Content (S)	10% by weight
pH (10% Solution)	6.5 to 7.5
Solubility in Water	Completely soluble
Density	Approximately 1.33 g/cm <sup>3</sup> at 20°C

## Packing :

HDPE barrel

## Method Of Application :

Soil Application, Foliar Application

## Recommended Crops :

Vegetables: Tomatoes, peppers, cucumbers, and leafy greens like lettuce and spinach.

Fruit Trees: Apples, citrus fruits (oranges, lemons), grapes, and stone fruits (peaches, plums).

Field Crops: Corn, soybeans, wheat, and cotton.

Specialty Crops: Potatoes, onions, strawberries, and melons



SPECIALTY PRODUCT

# Growth Booster

## Description :

**Growth Booster** is an advanced plant growth promoter that infiltrates rapidly into the plant body, promoting cytoplasmic streaming and transport within cells. It is a strong cell agent. It enhances fertilization and seed setting while increasing resistance to fungi and various environmental stresses. This product significantly improves flowering and fruiting in plants, boosts photosynthesis, and enhances the uptake of essential minerals.

Growth Booster has been shown to improve yield attributes such as the number of fruits per plant, fruit weight, length, and width, ultimately increasing overall fruit yield. It also strengthens roots and sprouts, enhancing the absorption of nutrients and accelerating growth speed. This results in earlier blooming and fruiting, providing a competitive edge to farmers by improving the quality and quantity of all crops.

Growth Booster is a powerful plant growth regulator designed to enhance various stages of plant development. It is formulated to significantly improve germination and rooting, stimulate vegetative growth, and foster flower bud development. By accelerating pollen germination and pollen tube growth, Growth Booster ensures better flower fertilization and fruit set, leading to higher yields and profits. With Growth Booster, plants exhibit improved health and resilience, ensuring better crop performance and higher profitability for farmers.

## Benefits Of Growth Booster

- **Enhanced Germination and Rooting:** Promotes robust root development, ensuring healthy and vigorous plants from the start.
- **Stimulated Vegetative Growth:** Boosts overall plant growth during the early stages, leading to stronger and healthier plants.
- **Improved Flowering and Fruiting:** Encourages the formation of flowers and fruits, enhancing the overall productivity of the crops.
- **Stress Alleviation:** Mitigates the harmful effects of environmental stress, improving the resilience and health of crops.
- **Increased Photosynthesis and Mineral Uptake:** Enhances photosynthetic efficiency and nutrient absorption, promoting better growth and development.
- **Higher Yield and Quality:** Improves the quality of the produce, resulting in increased yields and higher profits for farmers.

## Recommended stage of usage of Growth Booster

The recommended application stage for optimal results is during the flower bud initiation and fruit set stages, ensuring enhanced flowering, fruit development, and overall yield improvement.



## Dosage:

1 - 1.5 ml/lt

## Packing :

200 lt HDPE barrel

## Method Of Application :

Foliar Application

## Recommended Crops :

Cotton, Tomato, Chilli, Potato, Rice, Wheat, Maize, Soybean, Sugarcane, Pulses (e.g., lentils, chickpeas), Vegetables (e.g., cucumbers, peppers, eggplants), Fruits (e.g., apples, grapes, strawberries), Ornamental plants (e.g., roses, chrysanthemums), Oilseeds (e.g., sunflower, canola), Forage crops (e.g., alfalfa, clover)



Amino  
Acid  
62.5%  
liquid

### Specifications :

Nutrient Content	Wt/Wt
Base	Liquid

Amino acid With Peptide 62.5% Peptides mixtures

### Dosage :

400 ml /200 ltr water

### Packing :

200 lt

### Method Of Application :

Foliar spray or soil drenching.

### Recommended Crops :

- Suitable for all types of crops, including fruits, vegetables, cereals, pulses, and ornamental plants.

Bio Pesticide  
Bio Pesticide Liquid

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# Amino Acid with Peptide Mixture, 62.5% liquid

## Description :

**Amino Acid 62.5% Liquid** Fertilizer with Peptide Mixtures is a cutting-edge agricultural product engineered to deliver a potent combination of amino acids and peptides directly to crops. This high-concentration formula is specifically designed to optimize plant growth, enhance flowering, increase fruit size, boost yields, and improve overall plant health. Its unique composition ensures that plants receive essential nutrients and bioactive compounds necessary for vigorous and resilient growth.

## Benefits Of Amino Acid with Peptide Mixture, 62.5% liquid

### Stimulates Flowering:

- Promotion of Flower Initiation: The amino acids and peptides in the fertilizer provide essential nutrients that activate flowering hormones within the plant. This leads to earlier and more abundant flower initiation.
- Development of Healthy Blooms: Adequate nutrition ensures that flowers are well-formed and healthy, which is crucial for subsequent fruit development and yield.

### Enhances Fruit Size and Yield:

- Improved Cellular Growth: Amino acids and peptides are building blocks of proteins and other vital molecules. They support cell division and enlargement, contributing to increased fruit size.
- Nutrient Efficiency: Enhanced nutrient uptake and utilization translate into better growth and higher yields, ensuring that the plant can produce more and larger fruits.

### Improves Fruit Ripening:

- Uniform Ripening: The balanced nutrition provided by amino acids ensures that fruits ripen evenly. This is important for marketability and consumer satisfaction.
- Enhanced Quality: Proper ripening improves the taste, texture, color, and nutritional value of the fruits, making them more appealing and beneficial to consumers.

### Boosts Pollination:

- Better Pollinator Attraction: Healthy, vibrant flowers such as bees and butterflies are more likely to attract pollinators, which are essential for pollination.
- Increased Pollen Viability: Nutrient-rich plants produce more viable pollen, leading to higher fertilization rates and more fruit sets.

### Enhances Aesthetic Quality:

- Improved Visual Appeal: The nutrients support the development of bright, vibrant colors and uniform shapes, making fruits and vegetables more visually attractive.
- Marketability: Aesthetic quality is a critical factor for market sales, as visually appealing produce is more likely to be purchased by consumers.

### Stress Tolerance:

- Drought Resistance: Amino acids help in osmoregulation, which allows plants to maintain cellular hydration and function during periods of low water availability.
- Temperature Extremes: The enhanced stress response mechanisms supported by peptides help plants to withstand high and low temperatures more effectively.
- Salinity Tolerance: Amino acids aid in the detoxification of excess salts in the plant cells, improving growth in saline conditions.

### Nutrient Uptake:

- Efficient Absorption: Amino acids chelate (bind) nutrients, making them more available to plant roots and leaves. This leads to better absorption and utilization of essential minerals.
- Enhanced Metabolism: Peptides stimulate metabolic processes, ensuring that the absorbed nutrients are effectively used for growth and development.
- Root Development: The formulation encourages robust root growth, increasing the plant's ability to absorb water and nutrients from the soil.

## Recommended stage of usage of Amino Acid with Peptide Mixture, 62.5% liquid

Amino Acid 62.5% Liquid Fertilizer with Peptide Mixtures is ideal for use throughout various growth stages of the plant. For best results, apply during the early vegetative stage to support robust root and shoot development. Continue applications through the flowering and fruiting stages to enhance flowering, fruit set, and overall yield. Regular use during these critical growth periods ensures optimal nutrient uptake, stress tolerance, and improved crop quality.



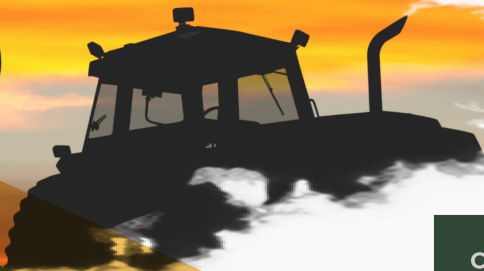
**Naturing** Nature,  
Feeding The **Future**



AN ISO 9001 : 2015 & 14001 : 2015 CERTIFIED COMPANY

# Arihant

Empowering Farmers



“  
Quality Fertilizers for  
Thriving Fields




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