



# **Bio Stimulants Products**

"Empowering Plants, Naturally!"













### **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-inclass 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
- Safety
- Sustainability
- Innovation
- Integrity
- · Community Engagement
- · Customer Focus



# 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.



# 2007-2008 Started manufacturing: · Plant Growth Promoters · Micronutrient Fertilizers 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. H 2009-2010 ARIHANT FERTILIZER CORPORATION UNIT - 1 Started manufacturing: Granule fertilizer provides slow-release nutrients

# **Company Milestones**

#### ARIHANT CHEMICAL INDUSTRIES

· NPK Water Soluble Fertilizers

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

#### 2012-2013

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

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

#### 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, biofertilizer granules, soil conditioner granules, and organic fertilizer in one innovative solution for sustainable agriculture.

### 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.

- · Granule Fertilizer
- · Soil Conditioner Fertilizer
- · Organic Fertilizer

for plants, soil fertilizer rejuvenates soil, and organic fertilizer supports sustainable farming practices, minimizing environmental impacts.

# **Company Milestones**

2016-2017

Retail Marketing

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#### 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

### 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.

### 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

### 2015-2016

sector

#### ARIHANT CHEMICAL INDUSTRIES

ARIHANT BIOFFRTICHEM PVT LTD

Key partnerships with suppliers and

distributors have been secured to ensure a

steady supply chain through our retail

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.

### 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



# **Arihant Group Of Industries**





Patan Sabarkantha Mehsana

Ahmedabad

Gandhinagar

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

ARIHANT AGRI-SCIENCE PVT LTD



#### ARIHANT BIO FERTICHEM PVT LTD

 204, Sidhhraj Zavod, Sargasan, Gandhinagar – 382421 Guiarat (India)



Aravalli

Mahisagar

#### ANBR ELIXIR PVT LTD

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



### ARIHANT BIO SCIENCE PVT LTD

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



Narmada

### ANBK SEEDS PVT LTD

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



### **ARIHANT FOUNDATION**

Bhavnagar

Amreli

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





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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# Plant Growth Promoter







 Base
 Black Shiny Flaks

 Humic acid
 50.0-55.0%

 Fulvic Acid
 2.0-4.0%

 K₂O (dry basis)
 5.0-6.0%

 Moisture
 15%

 pH (5% solution)
 9.0 ± 1

 Solubility
 95%

### Packing:

25 Kgs Paper Bags

### **Method Of Application:**

Fertigation, Drip Irrigation or Foliar Spray

### **Recommended Crops:**

For All crops





### Potassium Humate

### **Potassium Humate Shiny Flakes**

### Description:

Plant Growth Promoter

Potassium humate is a highly effective, water-soluble Shiny Flake product renowned for its high concentration of organic matter and potassium. This powerful combination not only enriches the soil physically, chemically, and biologically but also supplies one of the three essential nutrients that every plant needs for optimal growth.

Potassium humate's versatility allows it to be easily diluted in water, making it an ideal component for farmers to incorporate into their traditional liquid humic acid mixtures. When applied to the soil through feritigation systems, it enhances soil structure, increases microbial activity, and improves nutrient retention. This results in healthier, more resilient plants with better growth and higher yields.

Its ease of use and significant benefits make potassium humate a preferred choice for sustainable farming practices, ensuring long-term soil health and productivity.

### **Benefits Of Potassium Humate Shiny Flakes:**

Addition of Organic Matter: Enhances deficient soils by enriching them with essential organic matter, significantly boosting soil fertility.

Vitality and Root Development: Promotes robust plant growth by increasing vitality and encouraging extensive root development.

Cation Exchange Capacity: Improves the soil's ability to retain and exchange nutrients, enhancing nutrient absorption by plants.

Chlorophyll Synthesis: Boosts the synthesis of chlorophyll, leading to healthier, more vibrant plants.

Seed Germination: Enhances the germination process, ensuring better seedling establishment and growth.

Microbial Activity: Stimulates the activity of beneficial microbes in the soil, promoting a healthier and more balanced soil ecosystem.

Soil Structure and Water Retention: Improves the physical structure of the soil, increasing its capacity to retain water and making it more resistant to drought.

Chelation of Microelements: Naturally chelates microelements in alkaline soils, making these nutrients more available to plants and enhancing their growth and productivity.



Plant Growth Promoter
Potassium Humate





### **Super Potassium Humate Shiny Flakes**

### Description:

Super Potassium Humate is a highly efficient, water-soluble Shiny Flakes product known for its high concentration of organic matter and potassium. This dual-benefit product not only enhances soil quality on physical, chemical, and biological levels but also supplies potassium, one of the three essential nutrients every plant needs for healthy growth.

Its solubility allows it to be easily diluted in water, enabling farmers to mix it seamlessly with traditional liquid humic acids. This mixture can then be applied to the soil via fertigation systems, ensuring even and effective distribution. By integrating Super Potassium Humate into their agricultural practices, farmers can significantly improve soil structure, boost microbial activity, and enhance nutrient retention.

This leads to healthier plant growth, increased yields, and sustainable farming practices. The product's ease of use and broad-spectrum benefits make it an invaluable addition to any agricultural regimen, promoting long-term soil health and optimal plant development.

### Specifications:

 Base
 Black Shiny Flaks

 Humic acid
 60.0-65.0%

 Fulvic Acid
 4.0-6.0%

 K₂O ( dry basis )
 6.0-8.0%

Moisture 15% pH ( 5% solution ) 9.0 ± 1

Solubility 98%

### Packing:

25 Kgs Paper Bags

### **Method Of Application:**

Fertigation, Drip Irrigation or Foliar Spray

### **Recommended Crops:**

For All crops

### **Benefits Of Super Potassium Humate Shiny Flakes:**

Enhances Soil Fertility: Enriches deficient soils with organic matter, significantly boosting their fertility and overall health.

Boosts Plant Vitality: Promotes vigorous plant growth and enhances root development, ensuring stronger, healthier plants.

Improves Nutrient Absorption: Increases the soil's cation exchange capacity, enhancing its ability to retain and supply essential nutrients to plants.

Increases Chlorophyll Synthesis: Stimulates the production of chlorophyll, leading to greener, more vibrant plants with improved photosynthesis.

**Enhances Seed Germination:** Improves the germination rate of seeds, resulting in better seedling establishment and early growth.

Promotes Microbial Activity: Stimulates the activity of beneficial soil microbes, creating a healthier and more balanced soil ecosystem.

Improves Soil Structure: Enhances soil structure, increasing its ability to retain water and making it more resilient to drought conditions.

Chelates Microelements: Naturally chelates microelements in alkaline soils, making these nutrients more available to plants and improving their overall growth and productivity.



Plant Growth Promoter Potassium Humate





# Super Potassium Fulvate Humate Shiny Flakes

### Description:

Super Potassium Fulvate Humate is a premium, water-soluble Shiny Flakes product distinguished by its high concentration of organic matter and potassium. This potent combination significantly enhances soil quality on physical, chemical, and biological levels, making it a vital component for sustainable farming.

The potassium provided by Super Potassium Fulvate Humate is one of the three essential nutrients that plants require for healthy growth. Its water solubility allows it to be easily diluted, making it ideal for farmers to mix with traditional liquid humic acids. This mixture can then be efficiently applied to the soil through fertigation systems, ensuring even distribution and optimal absorption.

The benefits of using Super Potassium Fulvate Humate include improved soil structure, enhanced nutrient retention, increased microbial activity, and better water retention. These advantages lead to healthier plants, increased yields, and long-term soil fertility, making it an indispensable tool for modern agriculture.

### Benefits Of Super Potassium Fulvate Humate Shiny Flakes:

Enhances Soil Fertility: Super Potassium Fulvate Humate enriches deficient soils with organic matter, significantly boosting their fertility and overall health.

Boosts Plant Vitality and Root Development: Promotes vigorous plant growth and enhances root development, ensuring stronger, healthier plants.

Improves Nutrient Absorption: Increases the soil's cation exchange capacity, enhancing its ability to retain and supply essential nutrients to plants.

Stimulates Chlorophyll Synthesis: Encourages the production of chlorophyll, leading to greener, more vibrant plants with improved photosynthesis.

Enhances Seed Germination: Improves the germination rate of seeds, resulting in better seedling establishment and early growth.

Promotes Beneficial Microbial Activity: Stimulates the activity of beneficial soil microbes, creating a healthier and more balanced soil ecosystem.

Improves Soil Structure and Water Retention: Enhances soil structure, increasing its ability to retain water and making it more resilient to drought conditions.

Chelates Microelements in Alkaline Soils: Naturally chelates microelements in alkaline soils, making these nutrients more available to plants and improving their overall growth and productivity.

### Specifications:

pH (5% solution) 9.0 ± 1

Solubility 100%

### Packing:

25 Kgs Paper Bags

### **Method Of Application:**

Fertigation, Drip Irrigation or Foliar Spray

### **Recommended Crops:**

For All crops



Plant Growth Promoter
Potassium Humate





### Super Potassium Fulvate Humate Shiny Flakes (Norway Origin)

### Description:

Super Potassium Fulvate Humate (Norway Origin) is a top-tier, water-soluble Shiny Flakes product known for its high concentration of organic matter and potassium. This powerful combination significantly enhances soil quality on physical, chemical, and biological levels, providing one of the three essential nutrients that plants require for optimal growth. Its high solubility makes it easy to dilute in water, allowing farmers to seamlessly incorporate it into their traditional liquid humic acid mixtures.

Once prepared, this solution can be efficiently applied to the soil through fertigation systems, ensuring uniform distribution and maximum absorption. The use of Super Potassium Fulvate Humate results in improved soil structure, increased microbial activity, and better nutrient retention, leading to healthier, more robust plants and higher yields. Its application not only promotes sustainable farming practices but also ensures long-term soil fertility and productivity, making it an indispensable tool for modern agriculture.

### Benefits Of Super Potassium Fulvate Humate Shiny Flakes (Norway Origin):

Addition of Organic Matter: Super Potassium Fulvate Humate enriches deficient soils with vital organic matter, significantly boosting soil fertility and overall health.

Increases Plant Vitality and Root Development: Enhances plant vitality by promoting robust root development, ensuring stronger and healthier plants.

Enhances Cation Exchange Capacity: Improves the soil's ability to retain and exchange essential nutrients, leading to better nutrient absorption by plants

Boosts Chlorophyll Synthesis: Stimulates the production of chlorophyll, resulting in greener, more vibrant plants with enhanced photosynthesis capabilities.

Improves Seed Germination: Facilitates a higher germination rate, ensuring better seedling establishment and early growth.

Stimulates Beneficial Microbial Activity: Encourages the activity of beneficial soil microbes, creating a healthier and more balanced soil ecosystem.

Improves Soil Structure and Water Retention: Enhances the physical structure of the soil, increasing its capacity to retain water and making it more resilient to drought conditions.

Chelates Microelements in Alkaline Soils: Naturally chelates microelements in alkaline soils, making these nutrients more available to plants and improving their overall growth and productivity. This ensures that plants receive the essential microelements needed for optimal development and yield.

### **Specifications:**

 Base
 Black Shiny Flaks

 Humic acid
 65.0-70.0%

 Fulvic Acid
 8.0-9.0%

 K-O (dry basis)
 12.0-14.0%

 Moisture
 15%

 pH (5% solution)
 9.0 ± 1

Solubility 100%

### Packing:

25 Kgs Paper Bags

### **Method Of Application:**

Fertigation, Drip Irrigation or Foliar Spray

### **Recommended Crops:**

For All crops





 Humic acid
 70 g/L

 Calcium and Magnesium
 100 g/L

  $K_2O$  ( NPK )
 100 g/L

 Organic matter
 210 g/L

 Amino acid (Polypeptide)
 100 g/L

 Compound trace elements
 20 g/L

### Packing:

200 ltr HDPE Barrel

### **Method Of Application:**

Fertigation, Drip Irrigation or Foliar Spray

### **Recommended Crops:**

For All crops





### Plant Growth Promoter Humic Acid

### **Humic Acid Liquid**

### **Description:**

Humic Acid Liquid Fertilizer, derived from premium-grade leonardite, offers versatile applications as both a soil amendment and foliar spray. Its natural composition enhances the uptake of micronutrients by plants, promoting healthier growth and improved nutrient utilization. This fertilizer is renowned for its compatibility with various fertilizer solutions, as well as biological and enzymatic formulations, making it easy to integrate into existing agricultural practices without disruption. Whether applied directly to the soil or sprayed on foliage, it aids in soil conditioning, enhancing soil structure and water retention capabilities.

By facilitating nutrient uptake, Humic Acid Liquid Fertilizer supports plant resilience to stressors and promotes overall vigor. Its organic origins ensure minimal environmental impact, aligning with sustainable farming practices. Farmers benefit from increased crop yields and quality, as well as enhanced soil health, making it a preferred choice for optimizing agricultural productivity while maintaining ecological balance.

### **Benefits Of Humic Acid Liquid:**

It is rich in organic active substances, rooting factors and a variety of nutrient elements needed for crop growth. After application, it can stimulate the plant cell to divide and elongate, active the root cell tissue activity, promote germination and root growth, increase yield greatly.

Increase the content of organic matter in soil, improve the living environment of microorganisms, activate the soil's original fertility, and improve the soil permeability and water retention capacity.

Fully activate the plant's inherent potential, improve the activity of the enzyme, improve the resistance of crops to cold, drought, water logging, salinity and disease.

It has obvious resistance to death seedling, black spot, root rot caused by continuous cropping, disease, phytotoxicity, freeze injury, salt injury. Improve the ability of self-healing and strengthening after injury.



### Plant Growth Promoter Humic Acid





### **Humic Acid Granule**

### Description:

Humic Acid, extracted from natural-grade Leonardite or Lignite, serves as a fundamental raw material in agricultural products. It comprises a group of molecules that play a crucial role in enhancing plant growth by facilitating nutrient uptake and improving water retention in soils. These molecules bind to soil particles and plant roots, aiding in the efficient absorption of essential nutrients and moisture.

High levels of humic acid in soil have been shown to significantly boost crop yields by promoting root development and overall plant health. Its application helps in mitigating the effects of environmental stressors on plants, thereby enhancing their resilience and productivity. As a key component in agricultural formulations, humic acid contributes to sustainable farming practices by improving soil fertility and reducing the need for synthetic fertilizers.

Its natural origin and beneficial effects make it indispensable for maximizing agricultural yields while supporting environmental stewardship.

### **Benefits Of Humic Acid Granule:**

Enhance nutrient uptake by combining nutrients and humic aid as well as keep a well-balanced nutrition.

Increase the fertility of soil, improve soil aggregate structure, prevent soil acidification, adjust soil pH value, Reduce salinity of soil.

Reduce nitrate leaking into the groundwater and protect the underground water,

Reduce transpiration as well as fight a drought, improve the activity of enzyme and water holding capacity and aeration increase chlorophyll, promote metabolism, promote root and growth, prevent diseases and resist biological intimidation, improve quality, increase yield.

### **Specifications:**

Base Black Granule

4.0%

Humic acid Amino Acid 1.0% Fulvic Acid 1.0%

### Packing:

50 Kgs HDPE Bags

### **Method Of Application:**

Soil Application

### **Recommended Crops:**

For All crops





 Base
 Powder

 Total Amino Acid
 35-98%

 Free Amino Acid
 40%

 Total Nitrogen
 13.5%

 Water Solubility
 100%

 PH
 4.8-5.1

### Packing:

25 Kgs Paper Bags

### **Recommended Crops:**

For All crops

Plant Growth Promoter Amino Acid





### **Amino Acid Powder**

### Description:

Amino acids are categorized into two types: animal origin, derived from sources like duck feathers, and plant origin, sourced from plants such as soybeans and corn. Amino acid fertilizers are highly beneficial for plants as they are easily absorbed, transported, and utilized as nitrogen and carbon sources. This efficiency saves the energy plants would otherwise expend to break down organic matter, synthetic nitrates, and ammonia into amino acids. Additionally, amino acids act as biostimulants, enhancing various physiological processes in plants.

Amino acid fertilizers typically contain a diverse array of 17 free amino acids. These compounds play essential roles in plant metabolism, growth, and stress response mechanisms. By providing readily available nutrients and stimulating plant functions, amino acid fertilizers contribute to improved nutrient uptake, enhanced plant vigor, and ultimately, higher crop yields. Their dual role as nutrient sources and biostimulants makes them a valuable component in modern agricultural practices aimed at maximizing plant productivity while reducing environmental impact.

### **Benefits Of Amino Acid Powder:**

Stimulates Root Growth: Enhances root development, resulting in stronger crop growth and improved utilization of fertilizers.

Enhances Photosynthetic Performance: Improves crop photosynthesis, facilitating efficient energy transfer and enhancing overall product quality.

Suppresses Soil-Borne Diseases: Effectively reduces the incidence of diseases associated with continuous cropping, maintaining soil health.

**Enhances Nutrient Absorption:** Used in conjunction with inorganic fertilizers, increases nutrient uptake by plants, leading to higher yields.

Improves Soil Structure: Softens soil texture, reduces compaction, and enhances soil fertility and water retention capacity.

Activates Phytohormones: Acts as activators for plant hormones, promoting balanced growth and development throughout the crop cycle.

### **Method Of Application:**

Filed Crops & Vegetables
1-2kg/ha at period of rapid growth or nutritional stress, 2 times at least through growing seasons.
Grapes and Berries
1-2kg/ha at active growth period.1 week intervals at least through vegetative growth period.

Tree Crops 1-3kg/ha at active growth period, 2-4 weeks intervals through growing seasons.

Turf 3-6kg/ha at active growth period

Ornamental Trees, shrubs Dilute at rate of 25kgs in 1 or more steres of water and spray to complete coverage

Caution:

The miscibility test should be done before formulating with pesticide and fertilizer.



 Base
 Liquid

 Free Amino Acid
 15%
 |
 25%

 Total Nitrogen
 8%
 |
 15%
 |
 25%

 Organic Matter
 15%
 |
 25%
 25%

 PH
 3.8-5.0

NPK upon request

### Packing:

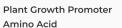
200 ltr HDPE Barrel

### **Method Of Application:**

Fertigation, Drip Irrigation or Foliar Spray

### **Recommended Crops:**

For All crops







### **Amino Acid Liquid**

### Description:

Amino Acid Liquid Fertilizer, widely known as "AMINO COLD" among farmers, stands out for its exceptional efficacy, especially on fruits and vegetables. It contains a rich blend of 9 groups of beneficial microorganisms alongside high-quality food-grade organic materials. This formulation ensures optimal nutrient availability and enhances soil health.

The fertilizer's key advantage lies in its rapid absorption and utilization by plants as essential sources of nitrogen and carbon. By providing these nutrients in readily accessible forms, Amino Acid Liquid Fertilizer reduces the energy plants typically expend on converting organic matter, synthetic nitrates, and ammonia into amino acids. This efficiency not only boosts nutrient uptake but also enhances overall plant vigor and resilience.

Moreover, amino acids act as potent biostimulants, triggering and supporting various physiological processes crucial for plant growth and development. They promote root growth, improve photosynthetic efficiency, and help mitigate the impacts of stressors like diseases and environmental fluctuations.

In essence, Amino Acid Liquid Fertilizer represents a sustainable approach to agriculture, fostering healthier plants, higher yields, and improved crop quality while reducing environmental impact. Its integration into farming practices underscores its role in maximizing agricultural productivity and sustainability.

### **Benefits Of Amino Acid Liquid:**

Source of Multiple Nutrients and Micronutrients: Provides essential nutrients and micronutrients crucial for plant growth and development.

**Enhances Nutrient Availability:** Makes soil nutrients more accessible to plants and supports symbiotic nitrogen fixation, improving overall plant nutrition.

Inhibits Root Rot and Strengthens Root Systems: Significantly reduces root rot incidence and enhances root system vigor and resilience.

Improves Soil Quality and Fertility: Enhances soil structure, extends soil fertility, and promotes healthier soil ecosystems.

Solubilizes Base Fertilizers: Increases the solubility of base fertilizers, ensuring efficient nutrient uptake by plants and reducing nutrient leaching.

Reduces Salt Stress: Mitigates the adverse effects of soil salinity, improving plant growth in saline environments.

Reduces Insect Infestation: Acts as a natural deterrent to insects, reducing the need for pesticides and promoting sustainable pest management practices.

Activates Plant Immune Systems: Rapidly activates plant immune responses, enhancing disease resistance and overall plant health.



Plant Growth Promoter Amino Acid





### **Amino Acid Granule**

### Description:

Amino NPK granular represents a cutting-edge organic nitrogen fertilizer derived from monosodium glutamate residue through advanced production techniques and high-temperature granulation. This innovative fertilizer provides essential organic matter, nitrogen, and potassium to plants, effectively enhancing soil fertility and promoting robust root growth.

By supplying readily absorbed nutrients, it optimizes plant energy use by bypassing the need for plants to convert organic matter, synthetic nitrates, and ammonia into amino acids. This efficiency not only boosts nutrient uptake but also acts as a biostimulant, enhancing overall plant health and resilience. Amino NPK granular is recognized for its role in increasing grop yields and improving produce quality through sustainable and efficient agricultural practices.

### **Specifications:**

Base Black Brown Granule

4.0 %

Amino Acid Humic acid 1.0% Fulvic Acid 1.0%

### Packing:

50 Kgs HDPE Bags

### **Method Of Application:**

Soil Application

### **Recommended Crops:**

For All crops

### **Benefits Of Amino Acid Granule:**

For Plants: Enhances resilience against cold, drought, insects, and lodging, improving root strength for better nutrient absorption and boosting overall crop physiological activity.

For Soil: Prevents fertilizer runoff, ensuring efficient fertilizer use and preventing soil acidification. Regulates microorganism environments, enhancing soil biodiversity. Improves water retention and aeration, increasing soil fertility and improving soil structure. Enhances soil aggregation and boosts phosphorus availability, while also reducing soil salinity and adjusting pH levels for optimal plant growth and nutrient uptake. A comprehensive approach that benefits both plants and soil, promoting sustainable agriculture practices and maximizing crop productivity.





Plant Growth Promoter Fulvic Acid





### **Fulvic Acid Powder**

### Description:

Fulvic acid 95% powder, also known as Biotechnology Fulvic Acid (BFA), represents a recent advancement in agricultural biotechnology. It is a bio-fermentation-derived material akin to fulvic acid, comprising a blend of specific bio-fermentation activity products. BFA offers a sustainable alternative to traditionally extracted humic or fulvic acids for applications in farming animal husbandry.

Beyond its structural similarity, BFA stands out for its potent bio-stimulant properties. Functioning as a powerful electrolyte, it fosters balance and vitality within plant and microbe cells. By energizing these cells, BFA promotes optimal division, elongation, and growth. This transformative agent not only enhances agricultural productivity but also underscores the potential of biotechnology in shaping the future of sustainable farming practices and ecosystem health.

### **Specifications:**

 Fulvic acid (dry basis)
 95% min

 Organic matter
 70%

 Mositure
 15%max

 Solubility
 100%

Size 80 mesh

5-8

### Packing:

ΡН

25 Kgs Paper Bags

### **Recommended Crops:**

For All crops

### **Benefits Of Fulvic Acid Powder:**

Increases crop weights and yields, maximizing production output.

Promotes vital metabolic processes, enhancing growth performance.

Improves nutrient-use efficiency by increasing bio-availability and facilitating uptake and distribution.

Strengthens drought and heat tolerances through enhanced transpiration mechanisms.

Acts as a pH buffer, inhibiting carbonation and alkali build-up in the soil.

Supports beneficial microbial populations crucial for plant-microbial symbioses.

### **Method Of Application:**

Fertigation, Drip Irrigation or Foliar Spray



 Base
 Liquid

 Fulvic acid (dry basis)
 124g/L

 Organic Matter
 180g/L

 PH
 5.0-8.0

### Packing:

200 ltr HDPE Barrel

### **Method Of Application:**

Fertigation, Drip Irrigation or Foliar Spray

### **Recommended Crops:**

For All crops





# Fulvic Acid Liquid

### Description:

Plant Growth Promoter

Fulvic acid stands out as a vital component in modern agricultural practices, offering a plethora of benefits. Its profound impact on crop growth makes it a cornerstone in soil enhancement strategies. Opting for higher quality humic and fulvic acids amplifies these advantages significantly.

One of its key strengths lies in its remarkably low molecular size, enabling minerals chelated with fulvic acid to swiftly penetrate plant walls. This attribute holds immense importance in expediting the plant availability of essential nutrients like rock minerals, rock phosphate, and lime, thus accelerating plant growth and development.

Moreover, fulvic acid's role as a potent electrolyte and bio-stimulant cannot be overstated. By harmonizing and invigorating plant and microbial cells, it fosters optimal conditions for cell division, elongation, and overall growth. This multifaceted influence underscores the pivotal role of fulvic acid in modern agriculture, offering sustainable solutions for maximizing crop productivity and ensuring allobal food security.

### **Benefits Of Fulvic Acid Liquid:**

Increases crop weights & yields: Fulvic acid fosters robust growth, leading to enhanced crop weights and yields, thus maximizing agricultural productivity.

**Promotes vital metabolic processes:** By facilitating vital metabolic processes within plants, fulvic acid improves overall performance across various growth metrics, ensuring healthier and more vigorous crops.

Improves nutrient-use efficiency: Fulvic acid increases the bio-availability of nutrients, allowing for better absorption and distribution throughout the plant. This enhances nutrient-use efficiency and minimizes wastage, ultimately contributing to improved crop health and yield.

Strengthens drought and heat tolerances: Through its ability to enhance transpiration, fulvic acid helps plants withstand drought and heat stress, enabling them to thrive in adverse environmental conditions.

Inhibits carbonation and alkali build-up: Acting as a pH buffer, fulvic acid prevents harmful carbonation and alkali build-up in the soil, maintaining optimal soil pH levels for healthy plant growth.

Supports beneficial microbes: Fulvic acid fosters a conducive environment for beneficial microbes critical in plant-microbial symbioses. These symbiotic relationships promote nutrient cycling, disease suppression, and overall soil health, further enhancing crop productivity and resilience.





ITEM	STANDARD		
	Flakes/ Powder	Liquid	
Alginic Acid	16%	21g/L	
Organic matter	45.0-55.0%	120-230 g/L	
Total Nitrogen	0.60%-2.0%	95g/Lmin	
Phosphorus(P <sub>2</sub> O <sub>5</sub> )	1.0-3.0%	8-20g/L	
Potassium(K₂O)	5-15%	40g/L	
Microelement(Ca Cu Fe Mg Zn )	1.5%-3%	15g/L-20g/L	
Solubility	100%		
PH	6.8-9.5	7.0	
Appearance	Flake/Powder	Liquid	

### Packing:

25 Kgs Paper Bags

### **Recommended Crops:**

For All crops







### **Seaweed Extract Powder**

### Description:

Seaweed Extract is a rich source of natural plant hormones, essential nutrients, trace elements, and carbohydrates, including alginic acids and polysaccharides. With over 70 minerals, vitamins, and enzymes, seaweed offers a comprehensive nutritional package for plants. Its application in acriculture yields numerous benefits.

Firstly, it promotes robust crop yields by stimulating plant growth and development. Additionally, it enhances plant resistance to frost and disease, bolstering overall crop health and resilience. Seaweed Extract also improves the uptake of inorganic constituents from the soil, ensuring efficient nutrient absorption by plants.

Furthermore, it fortifies plants against various stressors, such as drought and salinity, enhancing their ability to thrive in adverse conditions. Moreover, it contributes to reducing storage losses of fruits, prolonging their shelf life and maintaining quality. Overall, Seaweed Extract emerges as a versatile and effective tool in modern agriculture, offering holistic solutions for maximizing crop productivity, resilience, and post-harvest quality.

### **Benefits Of Seaweed Extract Powder:**

Enhances yield and quality of crops, vegetables, and fruits: Seaweed extract provides essential nutrients and natural plant hormones that promote robust growth, resulting in increased yield and improved quality of produce.

Resists diseases and increases stress resistance: The presence of various minerals, vitamins, and enzymes in seaweed extract strengthens plants' natural defense mechanisms, making them more resilient to diseases and environmental stressors.

Improves soil structure, accelerates the formation of soil aggregate structure: The polysaccharides and alginic acids present in seaweed extract enhance soil structure by promoting the aggregation of soil particles, leading to improved soil aeration, drainage, and water retention. Inhibits harmful pests, alleviates pest damage: Seaweed extract contains compounds that repel or deter pests, reducing pest infestations and minimizing damage to crops.

Promotes cell division, increases metabolism: Natural plant hormones in seaweed extract stimulate cell division and metabolism in plants, leading to faster growth and development.

**Promotes the bud to bloom:** Seaweed extract contains growth-promoting substances that encourage the development of flower buds, leading to increased flowering and fruiting.

Contains PGR like gibberellic acid: Seaweed extract contains plant growth regulators such as gibberellic acid, which regulate various physiological processes in plants, including seed germination, stem elongation, and flowering.

Stimulates root growth and transplants: Seaweed extract stimulates root growth and enhances root development, improving nutrient and water uptake by plants. It also aids in the successful transplantation of seedlings and cuttings.

Increases fertilizer efficiency and chelation: Seaweed extract acts as a natural chelating agent, binding to nutrients in the soil and making them more available to plants. This improves fertilizer efficiency and reduces nutrient leaching, leading to healthier, more vigorous plants.



 Ca + Mg
 100g/L

 Seaweed extract
 300g/L

 Boron+Zn
 0.5g/L

### Packing:

200 Itr HDPE Barrel

### **Method Of Application:**

Fertigation, Drip Irrigation or Foliar Spray

### **Recommended Crops:**

For All crops

Plant Growth Promoter Seaweed Extract





### **Seaweed Extract Liquid**

### Description:

Liquid Seaweed Fertilizer, derived from marine seaweed, is a potent agricultural asset containing a rich array of essential compounds. From cytokinins to oligomeric alginate potassium, betaine, mannitol, polysaccharides, iodine, microelements, and alginic polyphenols, its composition encompasses a wide spectrum of nutrients and bioactive substances.

This versatile fertilizer finds application in various forms, including specialized fertilization, foliar spraying, and pest control, contributing to its widespread adoption in agricultural settings such as pollution-free bases, flower cultivation, and nurseries. Seaweed's abundance of over 70 minerals, vitamins, and enzymes further enhances its efficacy in promoting crop growth and resilience.

By bolstering plant resistance to frost, diseases, and stressors, improving nutrient absorption, and reducing post-harvest losses, Liquid Seaweed Fertilizer emerges as an indispensable tool for enhancing agricultural productivity, sustainability, and crop quality.

### **Benefits Of Seaweed Extract Liquid:**

Balance promotion of vegetative plant growth and reproductive growth, improve soil microenvironment.

Enhance the survival ability of crops under adverse environments, promote flower bud differentiation, preserve flowers and fruits.

Replenish the secondary elements and reduce fruit cracking, fruit shrink, and deformity fruit.

Increase the thickness of the cell wall, improve the hardness of the fruit, make the fruit peel smooth without spots, and prolong the storage period.

Adopt plant cell signal induction technique which we obtain the patent. According to different combinations, it can synergistic basic mineral nutrition, accurate or integrated to promote the growth of plants.



Plant Growth Promoter Seaweed Extract





### **Seaweed Extract Granule**

### Description:

Seaweed Granular Fertilizer combines the potent properties of seaweed, humic acid, amino acids, and essential trace elements. This comprehensive blend is designed to nourish plants with a rich array of nutrients and bioactive compounds crucial for optimal growth and development.

Seaweed, with its diverse composition of over 70 minerals, vitamins, and enzymes, serves as the cornerstone of this fertilizer's efficacy. Its multifaceted benefits include boosting crop yields, enhancing resistance to frost and diseases, improving uptake of inorganic nutrients from the soil. fortifying plants against stressors, and reducing post-harvest losses.

Additionally, the inclusion of humic acid and amino acids further enhances soil fertility, nutrient absorption, and overall plant health. Seaweed Granular Fertilizer represents a holistic approach to agricultural nutrition, offering a sustainable solution for maximizing crop productivity, resilience, and quality.

### **Specifications:**

 Base
 Black Granule

 Seaweed extract
 4,0%

 Humic acid
 1,0%

 Amino Acid
 1,0%

 Fulvic Acid
 1,0%

### Packing:

50 Kgs HDPE Bags

### **Method Of Application:**

Soil Application

### **Recommended Crops:**

For All crops

### **Benefits Of Seaweed Extract Granule:**

Abundant nutrients with long-lasting fertilizer efficiency.

Activates soil nutrients, optimizing fertilizer utilization.

Enhances soil structure, improving water and fertilizer retention.

Strengthens plant resistance to stress, diseases, and drought, reducing production costs.

Prevents plant diseases and insect infestations.

Reduces farmland pollution by lowering nitrate and heavy metal content in the soil.

Improves plant quality and yield for sustainable agriculture.





Base Liquid

Packing:

Nitrobenzene

200 ltr HDPE Barrel

**Method Of Application:** 

Foliar Spray

**Recommended Crops:** 

For All crops

Plant Growth Promoter Bio Stimulant





### Nitro Benzene 20% Liquid

### Description:

Our Liquid Nitrobenzene is a scientifically formulated chemical comprising 20% Nitrobenzene, enriched with naturally sourced vegetable proteins. It serves as a potent budding stimulant, promoting robust yield growth across all crop varieties. We maintain large stocks to fulfill urgent and substantial buyer demands promptly.

Our competitive pricing ensures affordability without compromising on quality, making it accessible for agricultural applications on a wide scale. Liquid Nitrobenzene is designed to optimize crop productivity effectively, reflecting our commitment to delivering high-performance solutions for farmers seeking reliable and cost-effective agricultural inputs.

### **Benefits of Nitro Benzene 20% Liquid:**

It helps the plant to increase CN ratio significantly

It increases plant size and helps for flowering

It enhances the plant canopy and induces flowering and increases the yield

It can be used in all major agriculture crops through foliar application

It is compatible with pesticide and fungicides.

The concentration for usage is 2 to 3 ml per liter of water and foliar spray

### More about Liquid Nitrobenzene:

Being a foliar applicant that enhances budding of flowers and fruits, the Nitrobenzene liquid Plant Growth Promoter also gives better quality and higher yield. The addition of 2-3 ml Plant Growth Promoter in one liter of water is ideal for the crops. The Nitrobenzene liquid Plant Growth Promoter can be applied by mixing with any pesticide or fungicide and it also has wetting agent quality. The Nitrobenzene liquid Plant Growth Promoter is useful for crops like cotton, soybean, vegetables, pulses, grapes, oranges and nurseries.

Nitrobenzene Liquid is of pure quality and does not cause any harm to plants. We also offer Nitrobenzene Liquid of premium quality that contains 20% concentration of Tech Nitro Benzene compound. Nitrobenzene Liquid is concentrate that can be emulsified and it is beneficial for flowering. Nitrobenzene Liquid is also available as Nitrobenzene liquid 20% and is a plant energizer and flower stimulant.



Base Liquid

Packing:

Nitrobenzene

200 ltr HDPE Barrel

**Method Of Application:** 

Foliar Spray

**Recommended Crops:** 

For All crops

Plant Growth Promoter Bio Stimulant





### Nitro Benzene 35% Liquid

### Description:

Our Liquid Nitrobenzene is a scientifically formulated chemical containing 35% Nitrobenzene, enriched with naturally sourced vegetable proteins. It serves as a potent budding stimulant, promoting high yield growth across all crops. We maintain extensive stocks to meet urgent and large-scale buyer demands promptly.

Our competitive pricing ensures affordability without compromising on quality, making it accessible for widespread agricultural applications. Liquid Nitrobenzone is designed to maximize crop productivity effectively, reflecting our commitment to delivering high-performance solutions for farmers seeking reliable and cost-effective agricultural inputs.

### **Benefits of Nitro Benzene 35% Liquid:**

It helps the plant to increase CN ratio significantly

It increases plant size and helps for flowering

It enhances the plant canopy and induces flowering and increases the yield

It can be used in all major agriculture crops through foliar application

It is compatible with pesticide and fungicides.

The concentration for usage is 1 to 2 ml per liter of water and foliar spray

### More about Liquid Nitrobenzene:

Being a foliar applicant that enhances budding of flowers and fruits, the Nitrobenzene liquid Plant Growth Promoter also gives better quality and higher yield. The addition of 1-2 ml Plant Growth Promoter in one liter of water is ideal for the crops. The Nitrobenzene liquid Plant Growth Promoter can be applied by mixing with any pesticide or fungicide and it also has wetting agent quality. The Nitrobenzene liquid Plant Growth Promoter is useful for crops like cotton, sovbean, vegetables, pulses, grapes, oranges and nurseries.



Base

Liquid

Nitrobenzene

70%

### Packing:

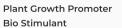
200 ltr HDPE Barrel

### **Method Of Application:**

Foliar Spray

### **Recommended Crops:**

For All crops







### Nitro Benzene 70% Liquid

### Description:

Our Liquid Nitrobenzene is a cutting-edge chemical formulation with a high concentration of 70% Nitrobenzene, enhanced by naturally derived vegetable proteins. It acts as a potent budding stimulant, effectively promoting robust yield growth across diverse crop varieties. We maintain a substantial inventory to swiftly meet urgent and extensive buyer demands.

With competitive pricing that remains economical, we ensure accessibility without compromising quality. This makes Liquid Nitrobenzene an ideal choice for farmers seeking reliable agricultural inputs to optimize crop productivity. Our commitment lies in providing high-performance solutions that support sustainable farming practices and maximize vields effectively and efficiently.

### **Benefits of Nitro Benzene 70% Liquid:**

It helps the plant to increase CN ratio significantly

It increases plant size and helps for flowering

It enhances the plant canopy and induces flowering and increases the yield

It can be used in all major agriculture crops through foliar application

It is compatible with pesticide and fungicides.

The concentration for usage is 1 ml per liter of water and foliar spray

### More about Liquid Nitrobenzene:

Being a foliar applicant that enhances budding of flowers and fruits, the Nitrobenzene liquid Plant Growth Promoter also gives better quality and higher yield. The addition of 1 ml Plant Growth Promoter in one liter of water is ideal for the crops. The Nitrobenzene liquid Plant Growth Promoter can be applied by mixing with any pesticide or fungicide and it also has wetting agent quality. The Nitrobenzene liquid Plant Growth Promoter is useful for crops like cotton, soybean, vegetables, pulses, grapes, oranges and nurseries.

Nitrobenzene Liquid is of pure quality and does not cause any harm to plants. We also offer Nitrobenzene Liquid of premium quality that contains 35% concentration of Tech Nitro Benzene compound. Nitrobenzene Liquid is concentrate that can be emulsified and it is beneficial for flowering. Nitrobenzene Liquid is also available as Nitrobenzene liquid 35% and is a plant energizer and flower stimulant.



200 ltr HDPE Barrel

### **Method Of Application:**

Foliar Spray

### **Recommended Crops:**

For All crops





# **Brassinolide 0.01% Liquid**

### Description:

Plant Growth Promoter

**Bio Stimulant** 

Brassinolide, commonly referred to as brassinos, is a natural plant hormone extensively researched for its potential as a fertilizer in agriculture. This hormone plays a vital role in regulating various aspects of plant growth, development, and immunity. Produced naturally by plants as required, brassinolides facilitate growth processes such as pollen formation, flower and fruit setting, and seed development.

They also bolster plants' resistance to diseases and pests, making them crucial for enhancing overall plant health and productivity in agricultural settings. Ongoing scientific exploration underscores brassinolide's potential to improve crop yields sustainably while supporting plant resilience and vitality.

### **Benefits of Brassinolide 0.01% Liquid:**

Encouraging growth, yield and improving quality

Promoting fruit's enlargement and increase the percentage of fruit setting

Increasing weight of fruits

Cold and drought resistance

Disease resistance

Differentiation in tissue culture

Reduce the harmful effect of fungicides, herbicides and pesticide

Increase in seeds and germination percentage

When applied 10-15 days before harvesting, it increases the natural preservation value

Reduces fruit dropping and flowering



50 Kgs HDPE Bags

### **Method Of Application:**

All in one Granules should be applied @ 5 - 10 Kg for one acre i.e. 12 - 25 Kg per hectare for each application in the field crops. This should be uniformly broadcasted all over the field. For orchards All in one Granules should be applied @ 1 - 2 Kg for plants less than 3 years and 2 - 4 Kg for plants more than 3 years age.

### **Recommended Crops:**

For All crops

Plant Growth Promoter Bio Stimulant





### Humic + Amino + Seaweed + Nitro Benzene + Hydrolyzed Protein + Vitamins Granule

### Description:

All in One Granules" represent a groundbreaking innovation in biotechnology research, formulated through a unique blend of animal and vegetable products under precise scientific conditions. This granular form ensures optimal effectiveness in agricultural applications, providing superior output.

Arihant has mastered the process of impregnating these granules into a user-friendly, soil-degradable formulation, facilitating enhanced inoculation in fields. This approach not only ensures eco-friendliness but also eliminates hazards associated with traditional chemical fertilizers.

The granules are designed to be compatible with most granular pesticides, except those with alkaline properties, further enhancing their versatility and ease of use in integrated pest management strategies. This innovation underscores Arihant's commitment to sustainable agriculture, offering farmers a reliable solution that promotes soil health, plant nutrition, and overall crop productivity.

By harnessing biotechnological advancements, All in One Granules contribute to sustainable farming practices while meeting the evolving needs of modern agriculture.

# Benefits of Humic + Amino + Seaweed + Nitro Benzene + Hydrolyzed Protein + Vitamins Granule :

Promotes early germination, ensuring guicker establishment of crops.

Stimulates vigorous seedling growth, fostering robust initial stages of plant development.

Encourages profuse primary and secondary root development, enhancing nutrient absorption and plant stability.

Increases soil microbial activity, fostering a healthier soil ecosystem.

Facilitates higher nutrient uptake by plants, optimizing their growth and productivity.

Enhances branching/tillering and increases foliage, leading to denser and more abundant plant growth.

Reduces fruit and flower drop, improving overall crop yield consistency.

Supports better development of grains/fruits, ensuring uniformity and quality.

Increases the size and weight of grains/fruits, enhancing marketable yield.

Results in higher yield and superior quality of produce, meeting agricultural productivity goals effectively.





50 ltr / 200 ltr HDPE Barrel

### **Method Of Application:**

With insecticides, fungicides, foliar fertilizers, defoliators, herbicides and weedicides in Field crops, Horticulture and Plantation Crops mix 5ml/15 Litre of water.

### **Recommended Crops:**

For All crops

Plant Growth Promoter Sticker





### Silicon Spreader & Sticker

### Description:

Silicon Spreader & Sticker is a new generation Silicone-based non-ionic adjuvant innovated by ultra-modern R & D centre of Arihant which can be used with fungicides, insecticides & herbicides. PGRs and fertilisers to enhance their performance and effectiveness.

It works like a sticker, spreader, rain fastener, activator and adjuvant which ultimately reduces cost and improves profitability.

Silicon Spreader & Sticker plays a key role in controlling many environmental performances limiting factors like rains, wind etc and physical variables like solubility, compatibility, foaming, suspension, surface tension, droplet size, drift, deposition, volatilization, coverage, adherence and penetration.

### **Benefits of Silicon Spreader & Sticker:**

Facilitates maximum spray usage and uniform distribution on leaf surfaces for enhanced efficacy.

Significantly reduces surface tension of spray solutions compared to conventional adjuvants.

Augments rain fastness under specific conditions, ensuring prolonged effectiveness.

Rapid spreading action carries insecticide into inaccessible pest habitats and vulnerable crop canopy areas prone to disease.

Acts as a performance enhancer, unlocking the potential of plants and agrochemical formulations.

Effectively manages environmental factors limiting spray performance.

Increases productivity through efficient resource utilization, including water and costly inputs.

Reduces spray volume and frequency, optimizing resource usage.

Improves profit margins by delivering better quality produce.

### **Mode of Action:**

When water is placed on a water repellent surface of a waxy plant leaf, it tends to remain on the surface of the leaf, beading into tiny droplets. Thus water does not spread out evenly over the leaf's surface. Adding Silicon Spreader & Sticker to pesticide spray solution increases the coverage by reducing the surface tension of the water.



50 ltr / 200 ltr HDPE Barrel

### **Method Of Application:**

Use 1 ml/litre along with Insecticides, Fungicides and Foliar Fertilizers.

Use 1-1.5 ml/litre along with Herbicides.

### **Recommended Crops:**

For All crops

Plant Growth Promoter Sticker





### **Anionic Sticker**

### Description:

Anionic Sticker represents a ground-breaking adjuvant boasting QUADRUPLE technology. Engineered for versatile application, it seamlessly integrates with insecticides, fungicides, herbicides, and foliar fertilizers. Its core function lies in augmenting adherence and dispersion, elevating the efficacy of applied molecules. By enhancing the performance over target organisms, it unlocks a new dimension of effectiveness.

This innovative solution not only enhances sticking power but also maximizes spreading ability, ensuring comprehensive coverage. Through its multifaceted approach, Anionic Sticker revolutionizes agricultural practices by optimizing the impact of applied chemicals, ultimately leading to superior outcomes in pest, fungal, and weed management, alongside bolstering the nutritional support to crops for enhanced growth and yield.

### **Preparation of Anionic Sticker:**

Do not mix directly in the spray tank.

Use only clean water.

Add the required quantity of Anionic Sticker in clean water and stir it thoroughly.

Add required quantity of Pesticides / Foliar Fertilizers to get a homogenized suspension.





