



MN Crop & Fertico Pvt Ltd ***(MNCF)***





CalciCote

Calcium Nitrate

- ✓ **Comprehensive Nutrient Availability:** CalciCote fertilizer ensures all essential nutrients are available in optimal proportions, enhancing crop quality for both soil and media-grown vegetables and fruits.
- ✓ **Prevents Deficiencies:** Specifically formulated to prevent Calcium and Nitrogen deficiencies, crucial for robust plant growth and development.
- ✓ **Enhanced Nutrient Utilization:** Improves nutrient availability throughout the growing season, supporting consistent plant health and vitality.
- ✓ **Timely Delivery:** Delivers Calcium and Nitrogen precisely when plants need them most, promoting stronger leaves, fruits, and roots.
- ✓ **Setting a New Standard:** Sets a benchmark in crop nutrition, offering convenience and reliability to growers aiming for superior crop yields and quality.

CalciNbor

Calcium Nitrate + Boron

- ✓ **Comprehensive Nutrient Balance:** CalciNbor fertilizer ensures all essential nutrients (Calcium, Nitrogen, and Boron) are provided in precise proportions, enhancing crop quality for soil and media-grown vegetables and fruits.
- ✓ **Deficiency Prevention:** Specifically formulated to prevent Calcium, Nitrogen, and Boron deficiencies, crucial for robust plant growth and reproductive health.
- ✓ **Enhanced Nutrient Uptake:** Improves nutrient availability throughout the growing cycle, supporting optimal plant vigor and productivity.
- ✓ **Timely Nutrient Delivery:** Delivers Calcium, Nitrogen, and Boron at the right stages of plant growth, enhancing leaf strength, fruit quality, and root development.
- ✓ **Promotion of Reproductive Processes:** Boron promotes pollination, seed formation, and fruit development, contributing to overall yield and crop quality improvement.



Upho

Urea Phosphate 17:44:00

- ✓ **High Purity Fertilizer:** Phostato is a whitish crystalline powder free of chloride and sodium, ensuring purity and absence of contaminants.
- ✓ **Enhances Soil Phosphorus Availability:** Ideal for calcareous soils, it increases the availability of soil phosphorus crucial for plant growth.
- ✓ **Rapid Nutrient Absorption:** Provides phosphorus in the form of phosphate ($H_2PO_4^-$), promoting rapid absorption by plants for efficient nutrient uptake.
- ✓ **Soil Acidification:** Creates an acidifying effect in the soil solution, enhancing the solubility of phosphorus and micronutrients, thereby improving plant nutrient access.
- ✓ **High Solubility:** Freely soluble and quickly dissolving, ensuring immediate availability of nutrients without residue, supporting consistent plant health and growth.

Product Categories

Branded Bag - 1 Kg, 5 Kg, 25 Kg | Neutral Bag - 25 Kg, 1250 Kg



Peek

Mono Potassium Phosphate (00:52:34)

- ✓ **Phosphorus and Potassium Source:** Peek is a water-soluble fertilizer designed as an optimal nutrient supplement for Phosphorus and Potassium needs in plants.
- ✓ **pH Buffering:** Its buffering capacity stabilizes nutrient solution pH, ensuring consistent nutrient uptake by plants.
- ✓ **Enhanced Crop Quality:** Improves fruit lustre, color uniformity, and taste, enhancing overall fruit quality.
- ✓ **Low Salt Content:** Minimal salt content prevents clogging of drip irrigation systems, ensuring efficient water and nutrient distribution.
- ✓ **Ideal for Reproductive Phases:** Suitable for fruit crop reproductive phases like fruit setting, promoting higher sugar content and better fruit quality.
- ✓ **Nitrogen-Free Formula:** Absence of nitrogen allows precise application of Phosphorus and Potassium during growth stages requiring lower nitrogen levels, such as flowering, rooting, fruit set, ripening, and harvest.

NoP

Potassium Nitrate (13:00:45)

- ✓ **High Potassium Content:** NoP provides a balanced N:K ratio of 13:45, ideal for crops with high potassium demands.
- ✓ **Nitrate Form Nitrogen:** Contains nitrogen in nitrate form, easily assimilated by plants, promoting vigorous growth.
- ✓ **Synergistic Absorption:** Synergy between NO₃⁻ and K₂O enhances absorption rates of both elements, maximizing plant nutrient uptake efficiency.
- ✓ **Versatile Application:** Suitable for all crops and recommended for fertigation systems in soil or hydroponics, including those sensitive to salinity.
- ✓ **Adaptable to Water Conditions:** Effective in both soft and hard water, even with high calcium levels, reducing risk of precipitation.
- ✓ **Alternative Potassium Source:** Can replace other potassium sources, maintaining stability in various growing conditions, including high temperatures and substrate-based crops.



FertiSol

Sulphate of Potash (00:00:50)

- ✓ **High Potassium and Sulphur Content:** FERTISOL meets high nutrient demands with its rich Potassium and Sulphur levels, preventing deficiencies in plants.
- ✓ **Nitrogen-Free Formula:** Ideal for crops needing reduced nitrogen during fruit maturation, maintaining optimal N:K ratios.
- ✓ **Low Salt Indices:** Reliable on diverse soils, including high-salinity soils, without adverse effects.
- ✓ **Hydroponic Potassium Source:** Commonly used in hydroponic systems for effective potassium fertilization.
- ✓ **pH Adjustment:** Alkaline soil application lowers pH around roots, enhancing phosphorus and micronutrient uptake.
- ✓ **Fine Particle Size:** Very fine particles dissolve quickly, ensuring rapid nutrient availability in nutrient solutions.
- ✓ **Enhanced Stress Resistance:** Improves plant resilience to abiotic stress and boosts disease resistance, reducing crop losses.



Product Categories

Branded Bag - 1 Kg, 5 Kg, 25 Kg | Neutral Bag - 25 Kg, 1250 Kg



Ferti 19 (19:19:19 + TE)

- ✓ **Balanced NPK Formula:** Ferti19 provides equal parts nitrogen (N), phosphorus (P), and potassium (K) at 19% each, suitable for diverse soils and crops.
- ✓ **Versatile Application:** Ideal for foliar and drip irrigation, dissolving easily for efficient plant uptake.
- ✓ **Promotes Root and Seed Development:** Enhances root establishment and seed vigor, fostering robust plant growth.
- ✓ **Enhanced Yield and Quality:** Supports high-quality yield with optimal macronutrient ratios.
- ✓ **Boosts Plant Resistance:** Improves stress tolerance and disease resistance.
- ✓ **Chelated Trace Elements:** Essential Zinc, Boron, Copper, Iron, Manganese, and Molybdenum support vital plant functions.
- ✓ **Solubility and Purity:** Completely soluble, chlorine-free, ensuring clean nutrient delivery without residue.

FertiMacro (13:40:13)

- ✓ **Phosphorus-Rich Formula:** FertiMacro features a 1:3:1 ratio (N:P:K), emphasizing phosphorus for enhanced root development and crop growth.
- ✓ **Promotes Root Growth:** Stimulates the growth of new roots, supporting overall plant vigor and nutrient absorption.
- ✓ **Enhances Fruit Setting and Production:** Improves fruit setting and increases fruit production, resulting in higher crop yields and improved quality.
- ✓ **Ideal for Flowering and Fruit Development:** Best used during early flowering stages and fruit development, when plants require higher phosphorus levels and lower nitrogen and potassium.
- ✓ **Increased Yield and Profit:** Farmers can expect higher yields and superior quality produce, translating to increased profitability and market competitiveness.



Ferti 20 (20:20:20 + TE)

- ✓ **Balanced NPK Formula:** Ferti20 contains equal parts nitrogen (N), phosphorus (P), and potassium (K) at 20% each, suitable for all soil types and crops.
- ✓ **Versatile Application:** Ideal for foliar applications and drip irrigation, ensuring quick dissolution and efficient nutrient uptake.
- ✓ **Promotes Root and Seed Development:** Facilitates rapid root and seed growth, supporting overall plant vigor.
- ✓ **Enhanced Yield and Quality:** Promotes high-quality yield with optimal nutrient balance.
- ✓ **Boosts Plant Resistance:** Improves plant resilience to stress factors and enhances disease resistance.
- ✓ **Chelated Trace Elements:** Includes vital Zinc, Boron, Copper, Iron, Manganese, and Molybdenum for essential plant metabolic functions.
- ✓ **Solubility and Purity:** Completely soluble, chlorine-free, ensuring clean nutrient delivery without residue.

Product Categories

Branded Bag - 1 Kg, 5 Kg, 25 Kg | Neutral Bag - 25 Kg, 1250 Kg



Fertico Plex9 (12:11:18 + MgO + TE)

- ✓ **Comprehensive Nutrient Profile:** Ferti Plex9 includes nitrogen, phosphorus, potassium, and magnesium, essential for balanced crop nutrition.
 - ✓ **Balanced Nitrogen Supply:** Combines nitrate and ammonium nitrogen for optimal plant uptake, promoting faster growth and higher yields.
 - ✓ **Environmental Efficiency:** Reduces nitrogen loss to the environment while enhancing nutrient utilization efficiency.
 - ✓ **Phosphorus Benefits:** Supports root growth, enhances disease resistance, and aids Rhizobium activity for nitrogen fixation.
 - ✓ **Potassium Functions:** Enhances stress tolerance, disease resistance, and regulates water movement within plants.
 - ✓ **Magnesium Contribution:** Essential for chlorophyll production, activates plant enzymes crucial for growth and protein synthesis.
- Additional Trace Elements:** Includes supplementary trace elements to further boost fertilizer effectiveness and crop productivity.

Fertico WSF (05:09:35)

- ✓ **High Potassium Content:** NPK fertilizer with a formulation of 5-9-35, emphasizing potassium, ideal for enhancing fruit quality, size, appearance, color, and sugar content.
- ✓ **Water Soluble:** Completely dissolves in water, suitable for efficient uptake in all types of fertigation systems.
- ✓ **Versatile Application:** Can be used for various crops grown in soil and through foliar application, ensuring flexibility in agricultural practices.
- ✓ **Fruit Enhancement:** Promotes overall fruit quality with improved taste, appearance, and nutritional value.
- ✓ **Suitable for All Crops:** Effective for a wide range of crops, supporting their growth and development through balanced nutrient delivery.



Fertico WSF (08:45:00)

- ✓ **Phosphorus-Rich Formula:** Fertico WSF (08:45:00) features a high concentration of phosphorus (45%), ideal for enhancing soil phosphorus availability, especially in calcareous soils.
- ✓ **Purity and Cleanliness:** Whitish crystalline powder free of chloride and sodium, ensuring high purity with no residue or contaminants.
- ✓ **Rapid Nutrient Absorption:** Provides phosphorus as phosphate (H_2PO_4^-), facilitating rapid absorption by plants for efficient nutrient uptake.
- ✓ **Soil Acidification:** Creates an acidifying effect in the soil solution, enhancing the solubility of phosphorus and micronutrients vital for plant growth.
- ✓ **Solubility:** Freely soluble and quickly dissolving, ensuring immediate availability of nutrients without residual buildup in the soil.



Upho

(Urea Phosphate 17:44:00)

- ✓ **Nutrient Composition:** Upho contains 17% Nitrogen and 44% Phosphorous, providing essential nutrients for plant health.
- ✓ **Water Solubility:** Fully dissolves in water, facilitating efficient nutrient uptake by plants.
- ✓ **Phosphate and Nitrogen Supplier:** Acts as a reliable source of phosphate and nitrogen, crucial for overall crop development.
- ✓ **Acidic Nature:** Upho's acidity enhances soil nutrient availability, benefiting all types of crops.
- ✓ **Enhanced Plant Growth:** Stimulates fruit, flower, and tiller production, boosting both yield quantity and quality.
- ✓ **Root Development:** Promotes root sprouting, enhances root setting, and supports robust root growth.
- ✓ **Nitrogen and Phosphorous Benefits:** Nitrogen supports protein and amino acid formation, while phosphorous aids root growth, disease resistance, and Rhizobium activity.

Magsulph

(Potassium magnesium Sulphate)

- ✓ **Comprehensive Nutrient Mix:** Magsulph fertilizer contains Potassium (K), Magnesium (Mg), and Sulfur (S) in each particle, ensuring uniform distribution for balanced plant nutrition.
- ✓ **Uniform Nutrient Distribution:** Spreading Magsulph in fields ensures even distribution of essential nutrients throughout the soil.
- ✓ **Potassium Benefits:** Enhances plant tolerance to stress and diseases, crucial for maintaining overall plant health.
- ✓ **Water Regulation:** Potassium plays a key role in regulating water flow within plants, optimizing water use efficiency and resilience to environmental changes.
- ✓ **Ideal for Crop Health:** Suitable for situations requiring diverse nutrient supplementation, supporting robust growth and improved crop yield.



Magsulph

(Potassium Schoenite)

- ✓ **Potassium and Magnesium Double Sulphate:** Schoen contains 22.24% potassium oxide and 90% magnesium oxide, providing essential nutrients in a balanced form.
- ✓ **Chlorine-Free Formula:** Ideal for crops sensitive to chlorine, ensuring compatibility and promoting healthy growth.
- ✓ **Promotes Crop Development:** Supports overall crop development and growth with a balanced supply of potassium, magnesium, and sulphur.
- ✓ **Uniform Nutrient Distribution:** Nutrients are evenly distributed in each particle, facilitating effective application and absorption in the field.
- ✓ **Potassium Benefits:** Enhances photosynthesis and boosts disease resistance in plants.
- ✓ **Magnesium Benefits:** Essential for chlorophyll production and aids in the synthesis of oils in plants.

Product Categories

Branded Bag - 1 Kg, 5 Kg, 25 Kg | Neutral Bag - 25 Kg, 1250 Kg



Zeno

(Zinc Oxide 39.5%)

- ✓ **High Zinc Concentration:** Zeno is a fully formulated liquid micronutrient fertilizer with a high zinc concentration, essential for preventing and treating zinc deficiency in various crops.
- ✓ **Crop Development:** Crucial for crop development and maturation, supporting overall agricultural output.
- ✓ **Enhanced Metabolic Processes:** Increases enzyme and chloroplast synthesis, vital for plant metabolic functions.
- ✓ **Nutrient Synthesis:** Facilitates protein and starch production, promoting efficient nitrogen metabolism.
- ✓ **Versatile Application:** Suitable for diverse agrochemical and plant nutrition needs.
- ✓ **Effective Absorption:** Ensures excellent plant absorption, optimizing nutrient uptake.
- ✓ **Long-lasting Benefits:** Provides lasting feeding effects with particle-supported formulation.
- ✓ **Crop Safety:** Formulated to be very safe for all crops, ensuring application without risk of harm.

Cero

(Calcium Concentrate 11%)



- ✓ **High Calcium Concentration:** Cero is a fully formulated liquid micronutrient fertilizer with a high concentration of calcium, essential for preventing and treating calcium deficiency in a variety of crops.
- ✓ **Nutrient Carrier:** Primary nutrition carrier for plants, enabling efficient calcium uptake.
- ✓ **Fruit Yield Enhancement:** Application during flowering stimulates chemical pathways for improved fruit set and increased yields.
- ✓ **Promotes Growth:** Enhances root and leaf growth, boosting overall crop output.
- ✓ **Quality Maintenance:** Minimizes disorders and preserves grain and fruit quality.
- ✓ **Strengthens Cell Walls:** Reinforces cell walls, enhancing resistance to pathogens and pests.



Brio

(Boron Ethanolamine 10%)

- ✓ **High Boron Concentration:** Brio is a fully formulated liquid micronutrient fertilizer with a concentrated boron content, crucial for preventing and treating boron deficiency in diverse crops.
- ✓ **No Sedimentation:** Ensures no sedimentation, facilitating easy application and uniform nutrient distribution.
- ✓ **Crop-Friendly:** Gentle on crops during foliar application, ensuring compatibility and minimal stress.
- ✓ **Enhanced Reproductive Processes:** Improves pollination, seed, and fruit development, enhancing overall reproductive success.
- ✓ **Biological Support:** Essential for protein synthesis, cell wall production, and efficient nitrogen absorption in plants.



Polophos (Calcium phosphate 22 %)

- ✓ **Nutrient Uptake:** Calcium facilitates efficient nutrient uptake, ensuring essential nutrients reach plants effectively.
- ✓ **Cell Wall Function:** Essential for cell division, membrane permeability, and nitrogen uptake through cell wall structure.
- ✓ **Crop Yield:** Promotes root and leaf growth, enhancing overall crop productivity.
- ✓ **Root Development:** Crucial for root growth, flower formation, and seed production.
- ✓ **Nitrogen Fixation:** Supports nitrogen-fixing capacity in legumes, aiding growth and productivity.
- ✓ **Crop Quality:** Enhances yield and nutritional quality of crops.
- ✓ **Disease Resistance:** Increases plant resilience to diseases, promoting healthier plants and better yield outcomes.

BioMax (Seaweed extract)



- ✓ **Nutrient Rich:** BioMax contains a rich blend of macro and micronutrients, humic acid, and phytohormones for comprehensive plant nutrition.
- ✓ **Versatile Benefits:** Offers a wide array of advantages beyond basic plant nutrition.
- ✓ **Soil Health:** Stimulates bacterial growth in soil, promoting a healthy soil environment.
- ✓ **Enhanced Nutrient Uptake:** Improves nutrient uptake efficiency through roots, optimizing plant nutrition.
- ✓ **Increased Resistance:** Boosts resistance to pathogens, pests, and environmental stresses.
- ✓ **Improved Yield:** Enhances crop yield by supporting vigorous root and shoot growth.
- ✓ **Overall Plant Health:** Promotes overall plant vigor and health for better performance in the field.



MaxMix (Zincated Phosphate)

- ✓ **Phosphorus and Zinc Content:** MaxMix contains 14% P₂O₅ and 17.5% Zinc, addressing deficiencies of these crucial nutrients.
- ✓ **Prevention of Deficiencies:** Helps prevent phosphorus and zinc deficiencies in crops.
- ✓ **Early Crop Development:** Provides efficient nutrient input crucial for early-stage crop development.
- ✓ **Seed Germination Support:** Ideal for seed germination due to high zinc and phosphorus requirements during this phase.
- ✓ **Early Crop Establishment:** Suitable for crops requiring early establishment to support robust growth and development.

Product Categories

Branded Bag - 1 Kg, 5 Kg, 25 Kg | Neutral Bag - 25 Kg, 1250 Kg



Mangnate (Manganese Carbonate)



- ✓ **Auxin Regulation:** Mangnate controls auxin levels in plants, crucial for regulating growth processes and enhancing photosynthesis.
- ✓ **Chloroplast Stability:** Prevents chloroplast disintegration in leaves, reducing interveinal chlorosis associated with manganese deficiency.
- ✓ **Seed Quality:** Enhances seed quality, promoting robust development and vigor.
- ✓ **Disease Resistance:** Aids in developing resistance against various diseases, improving overall plant health.
- ✓ **Crop Specificity:** Essential for wheat, which requires higher manganese levels compared to other crops.
- ✓ **Pollen and Root Growth:** Facilitates pollen germination, pollen tube growth, and elongation of root cells, supporting reproductive and root system health.

Micromax (State Grade Micro Nutrient)

- ✓ **Chelated Micronutrients:** Micromax contains iron, manganese, copper, and zinc in chelated form, ensuring stability and water solubility.
- ✓ **Quality and Yield:** Enhances crop output by promoting superior quality and increased yields.
- ✓ **Deficiency Remedy:** Addresses widespread micronutrient deficiencies in crops.
- ✓ **Enhanced Crop Quality:** Improves overall crop quality attributes, including appearance and nutritional value.
- ✓ **Appearance Improvement:** Enhances the visual appearance of crops, making them more marketable.
- ✓ **Yield Enhancement:** Supports good yields through optimal nutrient availability and utilization.



BentoZinc (Bentonite Sulphur + Zinc)



- ✓ **Dual Nutrient Benefit:** Bentonite Sulphur + Zinc addresses sulphur and zinc deficiencies in soils, crucial for protein synthesis and chlorophyll production.
- ✓ **Universal Crop Application:** Beneficial for all crops, especially oilseeds and legumes.
- ✓ **Enhanced Crop Attributes:** Increases both quantity and quality of crops, particularly boosting oil content in oilseeds.
- ✓ **Long-term Sulphur Availability:** Ensures sustained sulphur availability for crops.
- ✓ **Zinc Benefits:** Enhances enzyme, chloroplast synthesis, and promotes protein, starch, and nitrogen metabolism in plants.



Bento (Bentonite Sulphur)

- ✓ **High Sulphur Content:** Bentonite Sulphur contains 90% sulphur, ensuring efficient delivery of sulphur to crops.
- ✓ **Essential Nutrient:** Sulphur is the fourth most important nutrient after N, P, and K for plant growth.
- ✓ **Protein Synthesis:** Crucial for synthesizing amino acids required for protein production in plants.
- ✓ **Chlorophyll Synthesis:** Necessary for chlorophyll synthesis and utilization of phosphorus and other nutrients.
- ✓ **Universal Crop Benefit:** Beneficial for all crops, with specific advantages for oilseed and legume crops.
- ✓ **Increased Yield and Quality:** Enhances both crop quantity and quality.
- ✓ **Oil Content Boost:** Raises oil content in oilseed crops.
- ✓ **Long-lasting Effect:** Ensures sustained availability of sulphur for crops.

SoluB-20 (Boron 20%)

- ✓ **Enhanced Reproductive Processes:** Boron improves flowering, fruit/seed setting, and fruit retention.
- ✓ **Improved Calcium Absorption:** Facilitates better absorption of calcium by plants.
- ✓ **Increased Crop Quantity and Quality:** Enhances both yield and crop quality.
- ✓ **Universal Crop Benefit:** Beneficial for all types of crops including cereals, legumes, vegetables, fruits, and vegetables.
- ✓ **Remedy for Boron Deficiency:** Corrects boron deficiency in crops.
- ✓ **Biological Functions:** Essential for protein synthesis, cell wall production, and cell division.
- ✓ **Enhanced Nitrogen Absorption:** Improves nitrogen uptake efficiency in plants.



GranuB-15 (Boron 14.5% Granular)

- ✓ **Enhanced Reproductive Processes:** Boron improves flowering, fruit/seed setting, and fruit retention.
- ✓ **Improved Calcium Absorption:** Enhances plants' ability to absorb calcium.
- ✓ **Increased Crop Quantity and Quality:** Improves both yield and crop quality.
- ✓ **Universal Crop Benefit:** Suitable for all types of crops including cereals, legumes, vegetables, and fruits.
- ✓ **Correction of Boron Deficiency:** Addresses boron deficiency in crops.
- ✓ **Biological Functions:** Essential for protein synthesis, cell wall production, and cell division.
- ✓ **Enhanced Nitrogen Absorption:** Improves nitrogen uptake efficiency.
- ✓ **Suitable for Soil Application:** Granular form suitable for soil application.

Product Categories

Branded Bag - 1 Kg, 5 Kg, 25 Kg | Neutral Bag - 25 Kg, 1250 Kg



SoluB-15 (Boron-14.5% Powder)

- ✓ **Enhanced Reproductive Processes:** Improves flowering, fruit/seed setting, and fruit retention.
- ✓ **Improved Calcium Absorption:** Enhances plants' ability to absorb calcium.
- ✓ **Increased Crop Quantity and Quality:** Improves both yield and crop quality.
- ✓ **Universal Crop Benefit:** Suitable for all types of crops including cereals, legumes, vegetables, and fruits.
- ✓ **Correction of Boron Deficiency:** Addresses boron deficiency in crops.
- ✓ **Biological Functions:** Essential for protein synthesis, cell wall production, and cell division.
- ✓ **Enhanced Nitrogen Absorption:** Improves nitrogen uptake efficiency.
- ✓ **Powder Form for Foliar Application:** Actively available through foliar application due to its powder form.

SoluB-10 (Boron -10.5%)

- ✓ **Improved Flowering and Fruit/Seed Setting:** Enhances flowering, seed setting, and fruit retention in plants.
- ✓ **Enhanced Calcium Absorption:** Improves plants' ability to absorb calcium, crucial for overall plant health.
- ✓ **Increased Crop Yield and Quality:** Improves both the quantity and quality of crops produced.
- ✓ **Universal Crop Application:** Beneficial for all types of crops including cereals, legumes, vegetables, and fruits.
- ✓ **Remedies Boron Deficiency:** Addresses boron deficiency in crops effectively.
- ✓ **Promotes Reproductive Processes:** Supports pollination, seed development, and fruit maturation.
- ✓ **Essential for Biological Processes:** Necessary for protein synthesis, cell wall formation, and cell division.
- ✓ **Enhances Nitrogen Utilization:** Improves nitrogen absorption and utilization by plants.



EdCu (Cu EDTA)

- ✓ **High Copper Content:** Contains 14% copper, chelated with EDTA for optimal plant uptake.
- ✓ **Prevents Copper Deficiency:** Recommended to prevent and treat copper deficiency in plants.
- ✓ **Enhances Enzyme Processes:** Promotes and regulates enzyme activities crucial for plant growth.
- ✓ **Activates Enzymes:** Activates several enzymes essential for various metabolic processes.
- ✓ **Boosts Chlorophyll Production:** Helps in increasing chlorophyll production, vital for photosynthesis.

EdZn (Zn EDTA)

- ✓ **High Zinc Content:** Contains 12% zinc, chelated with EDTA for efficient plant absorption.
- ✓ **Prevents Zinc Deficiency:** Used to prevent and treat zinc deficiency in plants.
- ✓ **Rapid Availability:** Provides rapid availability of zinc to plants.
- ✓ **Prevents Chlorosis:** Zinc deficiency leads to chlorosis, which EdZn helps to alleviate.
- ✓ **Stimulates Enzymes:** Stimulates enzymes essential for protein synthesis and growth regulation in plants.



EdFe (Fe EDTA)



- ✓ **High Iron Content:** Contains 12% iron, chelated with EDTA for efficient plant absorption.
- ✓ **Prevents Iron Deficiency:** Used to prevent and treat iron deficiency in plants.
- ✓ **Enhanced Nutrient Uptake:** EDTA facilitates increased uptake of nutrients by plants.
- ✓ **Chlorophyll Synthesis:** Essential for the synthesis of chlorophyll, vital for photosynthesis.
- ✓ **Promotes Growth:** Boosts growth rates, leading to improved crop yield.
- ✓ **Increases Resistance:** Enhances resistance to pests and diseases, improving overall plant health.

BioMic (Humic acid) Granule

- ✓ **Organic Origin:** Derived from decayed plants and animals, making it an organic fertilizer.
- ✓ **Soil Structure Improvement:** Enhances soil structure, promoting better aeration and water retention.
- ✓ **Increased Nutrient Uptake:** Facilitates improved nutrient uptake by plants, aiding in overall growth.
- ✓ **Promotes Hormone Production:** Stimulates the production of growth-promoting hormones like auxin and cytokinin.
- ✓ **Enhanced Efficiency:** Improves the efficiency of pesticides and fertilizers applied subsequently.
- ✓ **Extended Shelf Life:** Application of BioMic extends the shelf life of fruits and vegetables after harvest.



Product Categories

Branded Bag - 1 Kg, 5 Kg, 25 Kg | Neutral Bag - 25 Kg, 1250 Kg



Bio PSB (PSB)

- ✓ **Introduction of Bio-PSB:** PSB (Phosphorous Solubilizing Bacteria) aids in enhancing phosphorus availability in soil for plant uptake.
- ✓ **Phosphate Solubilization:** Converts insoluble phosphates (e.g., calcium phosphate, rock phosphate) into soluble forms, increasing phosphorus accessibility.
- ✓ **Improved P Uptake:** Enhances plants' ability to uptake phosphorus, a critical macronutrient.
- ✓ **Yield Enhancement:** Simple inoculation of seeds with Bio-PSB can lead to crop yield increases equivalent to 30 kg P₂O₅/ha.
- ✓ **Reduced Fertilizer Requirement:** Reduces phosphatic fertilizer requirement by up to 50%.
- ✓ **Significant Crop Yield Increase:** Bio-PSB application significantly boosts crop yields, benefiting agricultural productivity.



BioMic (Humic acid) Liquid



- ✓ **Natural Origin:** BioMic is derived from decayed plants and animals, making it organic and environmentally friendly.
- ✓ **Soil Structure Improvement:** Enhances soil structure, promoting better water infiltration and root development.
- ✓ **Increased Nutrient Uptake:** Facilitates enhanced nutrient uptake in plants, improving overall health and vigor.
- ✓ **Promotes Growth-Promoting Hormones:** Boosts auxin and cytokinin production, supporting stress resistance, nutrient metabolism, and photosynthesis in plants.
- ✓ **Enhanced Pesticide and Fertilizer Efficiency:** Improves the effectiveness of pesticides and fertilizers, optimizing their application.
- ✓ **Extended Shelf Life:** Application of BioMic extends the shelf life of fruits and vegetables, maintaining quality and freshness.

BioElion (Amino acid 62.5%)

- ✓ **Organic Composition:** BioElion is composed of organic matter, micronutrients, and amino acids, ensuring a natural and sustainable biostimulant.
- ✓ **Promotes Plant Development:** Stimulates the growth of fruits, flowers, and leaves, enhancing overall plant health and productivity.
- ✓ **Enhances Soil Health:** Facilitates enzyme dissolution and organic material digestion, fostering beneficial microorganism growth in the soil for improved fertility and aeration.
- ✓ **Boosts Yield and Quality:** Increases crop yields and enhances the quality of fruits and vegetables, leading to better taste and appearance.
- ✓ **Stress Resistance:** Strengthens plants to withstand various stresses such as high temperatures, water scarcity, salinity, and other climate-induced challenges.



Bio-VAM (Mycorrhiza)



- ✓ **Symbiotic Relationship:** Mycorrhizal fungi form symbiotic associations with plant roots, enhancing nutrient uptake.
- ✓ **Nutrient Access:** Fungi extend filaments into the soil, accessing nutrients beyond the reach of plant roots alone.
- ✓ **Promotes Plant Growth:** This partnership accelerates root development and supports overall plant growth.
- ✓ **Enhanced Phosphorus Uptake:** Bio-VAM improves phosphorus uptake, along with other essential macro- and micronutrients.
- ✓ **Increased Yield and Quality:** Results in higher crop yields and improved quality of produce.

BioAzo (Azotobacter)



- ✓ **Nitrogen Fixation:** Azotobacter bacteria fix atmospheric nitrogen, converting it into ammonium ions for plant uptake.
- ✓ **Biofertilizer:** BioAzo is a beneficial biofertilizer containing Azotobacter.
- ✓ **Enhanced Root and Shoot Growth:** Promotes root and shoot development, improving quantity and size.
- ✓ **Plant Vigour:** Increases plant vigour and overall health.
- ✓ **Soil Health:** Enhances soil health, particularly in organic-rich environments.
- ✓ **Non-leguminous Crops:** Suitable for non-leguminous crop applications.

O-Vermi (Vermicompost)



- ✓ **Organic Manure:** O-Vermi is organic manure produced with earthworms in vermicomposting.
- ✓ **Nutrient-Rich:** Contains higher levels of plant-available nutrients like nitrogen and phosphorus compared to traditional compost.
- ✓ **Soil Improvement:** Enhances soil biological, chemical, and physical characteristics:
 - Improves soil aggregation, porosity, and water-holding capacity.
 - Increases soil buffering capacity and nutrient retention.
- ✓ **pH Stabilization:** Helps stabilize soil pH.
- ✓ **Plant Growth:** Promotes growth by enabling new shoots and leaves.
- ✓ **Microbial Activity:** Increases soil microbial activity and introduces beneficial microorganisms.
- ✓ **Disease and Pest Resistance:** Reduces disease and insect infestations.
- ✓ **Quality of Crops:** Enhances flavor and extends shelf life of crops.
- ✓ **Contains Auxin, Gibberellin, Vitamins, and Enzymes:** Provides beneficial plant growth regulators and nutrients.

Product Categories

Branded Bag - 1 Kg, 5 Kg, 25 Kg | Neutral Bag - 25 Kg, 1250 Kg



O-CC (City compost)

- ✓ **Organic Composition:** O-CC is an organic fertilizer derived from plant matter through composting of organic waste, including manure and food remnants.
- ✓ **Nutrient-Rich:** Provides nitrogen, phosphorus, potassium, manganese, calcium, magnesium, and trace elements like boron, zinc, molybdenum, and iron.
- ✓ **Nitrogen-Fixing Bacteria:** Enhanced with nitrogen-fixing bacteria to promote soil health and nutrient availability.
- ✓ **Soil Enhancement:** Improves soil texture, structure, and productivity.
- ✓ **Water-Holding Capacity:** Increases soil's water-holding capacity and porosity.
- ✓ **Enzymes and Hormones:** Contains enzymes and rooting hormones for enhanced root development.
- ✓ **Plant Benefits:** Enhances root mass, yield, and crop quality; acts as an excellent soil conditioner.



O-K (Potassium Derived from Molasses)



- ✓ **Potassium-Rich Fertilizer:** O-K is a potassium-rich fertilizer derived from molasses, providing essential nutrients for plant growth and development.
- ✓ **Source:** Produced from sugarcane by-products, O-K offers an organic alternative to conventional potash fertilizers.
- ✓ **Metabolic Functions:** Essential for photosynthesis, water transport, and enzymatic activities crucial for plant health.
- ✓ **Fruit and Flower Enhancement:** Promotes larger fruit and flower sizes.
- ✓ **Vegetable Productivity:** Naturally increases vegetable productivity and improves crop quality.
- ✓ **Soil Improvement:** Enhances soil structure and long-term soil health maintenance.
- ✓ **Pest and Disease Resistance:** Reduces susceptibility to diseases and pests, contributing to overall plant health and yield stability.

OM-P (Phosphate Rich Organic Manure)

- ✓ **Value-Added Composition:** OM-P combines high-grade rock phosphate with organic matter like FYM, straw, press mud, and karanj cake, enriched with nitrogen-fixing and phosphate-solubilizing microorganisms (PSB).
- ✓ **Environment-Friendly:** OM-P is environmentally safe and sustainable.
- ✓ **Crop Output Enhancement:** Boosts crop yield and improves soil's physical, chemical, and biological properties.
- ✓ **Disease Resistance:** Enhances crop resilience against specific diseases.
- ✓ **Microbial Activity:** Stimulates beneficial soil microorganisms for improved nutrient availability.
- ✓ **Soil Fertility:** Enhances soil fertility and overall health.



Fertico 16:16:16



- ✓ **Balanced Nutrient Ratio:** Fertico 16:16:16 contains nitrogen (N), phosphorus (P), and potassium (K) in equal proportions of 16% each, maintaining a 1:1:1 ratio.
- ✓ **Versatility:** Suitable for all types of crops including vegetables, fruit trees, flowering plants, lawns, flowerbeds, ornamental trees, and vegetable gardens.
- ✓ **Promotes Growth:** Provides balanced nutrition to promote overall health and vigorous growth.
- ✓ **Soil Preference:** Works best in soils where nitrogen, phosphorus, and potassium levels are balanced.
- ✓ **Ideal for Blooming Plants:** Particularly beneficial for blooming plants to enhance flower and fruit development.

Fertico 20:20:00:13



- ✓ **Nutrient Composition:** Fertico 20:20:00:13 contains 20% nitrogen (N), 20% phosphorus (P), and 13% sulphur (S), providing a balanced blend crucial for plant growth.
- ✓ **Sulphur Enhancement:** Essential for oil seed crops, Fertico 20:20:00:13 increases oil content and benefits sulphur-deficient soils.
- ✓ **Application Flexibility:** Suitable for use as both basal dose and top dressing fertilizers.
- ✓ **Crop Benefits:** Enhances quality and productivity of cereal and pulse crops, and enhances pungency in onions and chillies.
- ✓ **Critical Role of Sulphur:** Supports nitrogen metabolism, enzyme activity, protein, and oil synthesis throughout the growth stages.
- ✓ **Impact on Yield and Market Value:** Improves crop yields and quality, influencing market prices positively for farmers.

Product Categories

Branded Bag - 1 Kg, 5 Kg, 25 Kg | Neutral Bag - 25 Kg, 1250 Kg



Fertico

10:26:26



- ✓ **Nutrient Composition:** Fertico 10:26:26 is a complex NPK fertilizer with a high phosphorus (P) to potassium (K) ratio of 1:1, providing balanced nutrition.
- ✓ **Basal Dose Application:** Ideal for basal application, enabling early crop establishment and rapid growth.
- ✓ **Water Soluble Phosphorus:** The water-soluble phosphorus improves crop quality and productivity.
- ✓ **Potassium Content:** Higher potassium (K) content enhances plant resistance to stress factors.
- ✓ **Nutrient Uptake:** Enhances nutrient uptake for healthy plant growth.
- ✓ **Root Development:** Promotes root development and overall plant vigor.
- ✓ **Crop-Specific Benefits:** Increases tillers in wheat, sugarcane, and paddy, and branches in cotton, fruits, and vegetables.
- ✓ **Yield Improvement:** Boosts yield of grains, tubers, bolls, and fruits.
- ✓ **Enhanced Crop Quality:** Improves starch and sugar content in potatoes and sugarcane, respectively.

Fertico

12:32:16

- ✓ **Nutrient Composition:** Fertico 12:32:16 contains nitrogen (N) at 12%, phosphorus (P) at 32%, and potassium (K) at 16%, totaling 60% nutrients.
- ✓ **Nutrient Ratio:** It provides nitrogen and phosphorus in a 1:2.6 ratio, similar to DAP (Di-Ammonium Phosphate).
- ✓ **Early Growth Support:** Ideal for crops requiring high phosphate levels during early growth stages.
- ✓ **Immediate Nutrient Uptake:** Promotes rapid and significant crop improvement through immediate nutrient absorption.
- ✓ **Nutrient Efficiency:** Enhances nutrient uptake efficiency and reduces losses from leaching and volatilization.
- ✓ **Root Development:** Facilitates increased root penetration and healthier root systems, boosting yields even in poor soil conditions.
- ✓ **Adaptability:** Assists new plant establishment in adverse soil or climatic conditions, supporting faster growth.





Contact Us:

📍 38/1, Kshetra Mohan Mitra Lane,
Salkia, West Bengal, 711106

☎ +91 8510818383
+91 7607238183

✉ info@mncfertico.com

🌐 www.mncfertico.com

