

“जमीन बलवान तो किसान धनवान”



Narmada Bio-chem Limited



www.nbclindia.com

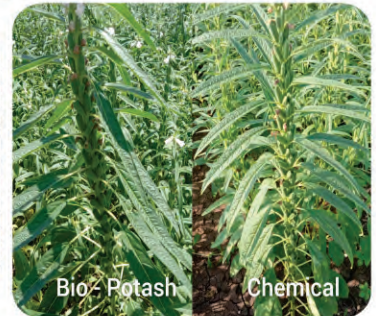
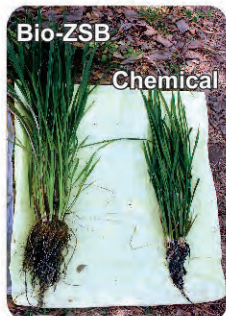
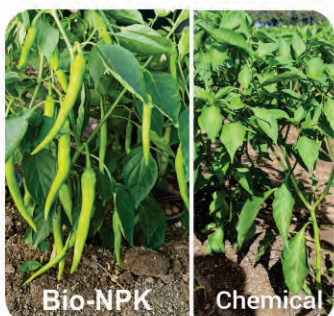
જમીન લલવાન તો કિસાન ધનવાન







Results of Organic & Bio Fertilizers



Growing saga of Sustainable and Profitable Agriculture in India ►

In a country like India, where agriculture is the primary source of livelihood for about 58 percent of the population; the significance of agricultural inputs scales much beyond the realm of mere business.

Farmers constitute the heart of rural India and agriculture serves as its cornerstone profession, it becomes imperative to extend a supportive gesture by furnishing them with premium agricultural inputs and services.

With this core conviction, we at **Narmada Bio-chem Ltd., firmly believe that the progress of India is intricately tied to the development of its rural regions.**

Narmada Bio-chem Limited is a leading manufacturer and supplier of various types of fertilizers, catering to the agricultural sector in India and beyond. With a strong focus on sustainability and innovation, we offer a comprehensive range of Organic, Bio and Chemical fertilizers that enhance crop productivity, fertility and soil health. Beginning in 1996 with the first manufacturing unit in India, in Ahmedabad, Gujarat, we are now in the fertilizer sector with 4 manufacturing units, providing farm solutions and advisory services all over the world.

NBCL has been serving the farming community for over two and a half decades now. Our remarkable history drives our approach to spearhead the production of organic fertilizers and various other inputs for farming. This approach is bolstered by our commitment to enhance and offer specialized organic, bio and chemical fertilizers. "We provide top-tier agricultural nutrients and related merchandise both within India and internationally. Our philosophy revolves around the understanding that fertile soil leads to increased yields, ultimately benefiting the farmers. This principle is encapsulated in our motto, '**Jamin Balvan to Kisaan Dhanvan,**' emphasizing the connection between robust soil and prosperous farmers."

With an unwavering focus on farmers, we have consistently prioritized delivering quality inputs. This dedication has propelled us to attain a leadership position in the fertilizer sector. From our modest beginnings with a limited fertilizer range, we have evolved into a premier provider of an extensive array of top-notch agricultural nutrients. Today, we stand as a comprehensive destination, catering to all agri-input needs of the farming community.

ABOUT US



MISSION

Our mission is to empower farmers and promote sustainable agriculture by providing high-quality fertilizers and innovative solutions for enhanced crop productivity, improved soil health and environmental stewardship.

VISION

Our vision is to be a global leader in the fertilizer industry, recognized for our innovation, commitment to sustainability, and transformative impact on agriculture resulting in worldwide social and economic benefit.



OUR VALUES

EXCELLENCE



Excellence is the guiding principle of our business, inspiring us to consistently exceed expectations, to innovate and to deliver unparalleled products and services to our valued clients.

PIONEERING



We pioneer the development of environmentally sustainable fertilizers, revolutionizing the industry with cutting edge solutions.

INTEGRITY



With a strong commitment to integrity, we prioritize delivering the high quality fertilizers, upholding transparency with clients and stakeholders

SAFETY



In our pursuit of responsible business growth, safety remains an absolute priority that we do not compromise on.

SUSTAINABILITY



Ethics and the environment take precedence within our company, as we diligently manage our operations to ensure conservation of natural resources for present and future generations.



INFRASTRUCTURE

Our company operates four cutting-edge manufacturing units that are equipped with state-of-the-art machinery. These facilities are highly efficient and are capable of producing an impressive annual output of 4,25,000 metric tons. This ensures we meet high demand and serve a vast customer base. Overall, our well-equipped and technologically advanced units form a strong base for achieving production targets and meeting market needs. Additionally, we maintain well-equipped laboratories for quality control of both raw materials and finished products.

We have following laboratory facilities:

- Microbiology laboratory
- Chemical Laboratory



CRAFTING EXCELLENCE

"Our Quality-Driven Commitment and Value-Centric Approach"

Our unwavering commitment to the environment and nation compels us to prioritize sustainable practices that not only benefit our natural surroundings but also contribute to the well-being of our country. This dedication drives us to implement essential principles of quality management, problem-solving and continuous innovation, elevating both product and work quality.

Our relentless pursuit of excellence encompasses refining processes, systems and skills, with an ultimate aim of surpassing customer expectations through superior agricultural inputs. To ensure this, we employ rigorous quality control measures, including raw material testing, in-process checks and final product assessments. All these processes are meticulously documented to guarantee compliance with regulatory standards such as the FCO 1985 guidelines, thereby ensuring the production of safe and environmentally responsible fertilizers.



AWARDS

We take great pride in being the recipients of numerous prestigious awards from respected national and international organizations, acknowledging our dedication to Indian farmers and organic farming. These accolades showcase our commitment to sustainable agriculture and our positive influence on the farming community. We're humbled by the recognition and steadfast in our mission to create a meaningful impact on farmers' lives and the environment through our initiatives.



CERTIFICATIONS

Our dedication to excellence and ongoing enhancement is exemplified by our certifications in ISO 9001, ISO 14001, and NOCA. These certifications reflect our commitment in maintaining high standards in quality management & environment, health and safety. ISO 9001 certification demonstrates our adherence to rigorous quality management principles, ensuring that our products and services consistently meet customer requirements. With ISO 14001 certification, we actively mitigate our environmental impact by implementing effective environmental management systems and promoting sustainability practices. Moreover, an organic certification from NOCA, India solidifies our dedication to upholding globally recognized organic product standards according to NPOP guidelines. Furthermore, for industries and consumers alike, NABL accreditation serves as a hallmark of trust, guaranteeing that the laboratory meets stringent criteria and operates at the highest levels of proficiency and consistency. These certifications demonstrate our continued commitment to meeting global standards and enable us to consistently deliver products and services of superior quality, reliability and environmental awareness.





STRATEGIC MILESTONES

Our company's strategy is rooted in a vision of sustainable growth and transformative impact. We are committed to become a leader in the agricultural sector by focusing on three core pillars: Innovation, Sustainability & Eco-Friendliness and Community Empowerment & Education.

Our roadmap encompasses several key initiatives. Innovation: We'll advance through continuous R&D, unveiling pioneering fertilizers and eco-friendly crop solutions for optimal yields. Partnerships: Growth thrives on collaboration. We'll unite with experts, farmers and organizations to share insights and resources. Sustainability: Guiding all actions, we'll minimize our footprint, back organic farming and shape a greener future. With these principles, we'll reshape farming, benefiting communities and the planet.

Our company's strategy is deeply rooted in a holistic approach that embraces sustainable development as our guiding principle. With a clear commitment to energy security, we are driving initiatives that optimize resource utilization, reduce carbon footprint and foster a resilient energy ecosystem. As paramount stewards of health and safety, we uphold rigorous standards to ensure the well-being of our employees and communities.

Transparency and corporate governance are pillars upon which our roadmap is built. By maintaining the highest levels of integrity and open communication, we cultivate trust and accountability in all our operations. Our unwavering dedication to product responsibility drives us to innovate and produce offerings that align with the well-being of our consumers and the environment.

In the face of climate change, our company is resolute in its role as a positive agent of change. Through proactive waste management, we aim to minimize our ecological impact while contributing to the global sustainability agenda. Our strategy and roadmap coalesce into a dynamic vision of progress, where each step we take propels us towards a future that is environmentally sound, ethically grounded, and economically prosperous.





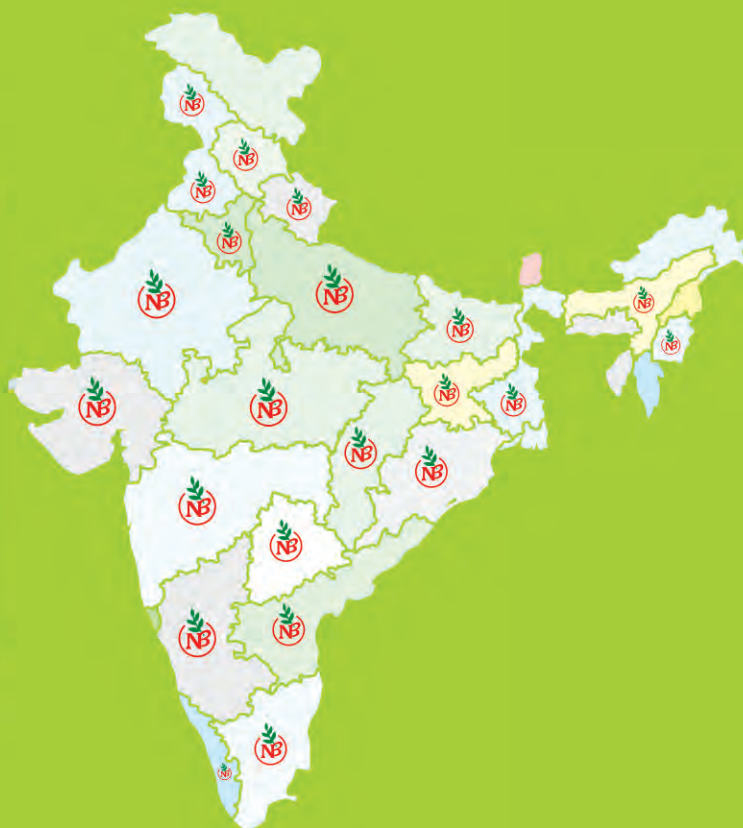
OUR PRESENCE

We proudly serve a vast geographical area that spans across more than 16+ states in India, as well as various global locations. Our extensive reach allows us to cater to a diverse range of clients and customers, both locally and internationally. Whether it's meeting the unique needs of different regions within India or serving clients in various countries around the world, we are well-equipped to deliver our services with efficiency and excellence. Our global presence enables us to leverage a deep understanding of local cultures, regulations, and market dynamics, allowing us to provide tailored solutions that resonate with our clients. With our expansive service area, we are committed to bringing our expertise and value to clients across borders, contributing to their success and fostering long-term partnerships. We are also engaged in various B2B collaborations with various esteemed organizations by fostering strong relationships with corporate partners. We aim to drive collective progress, enhance our service offerings, and provide unparalleled value to our clients at all levels.

We have
2000+ Dealers
in PAN India

We are
into More than
5+ Countries
Globally and
16+ States
all Over India

We have
20,000+ Retailers
in PAN India





CHAIRMAN'S MESSAGE

In the rapidly evolving landscape of modern agriculture, it is both a privilege and a responsibility for us at Narmada Bio Chem Ltd to stand at the forefront of innovation and sustainable growth. As the Chairman of this visionary company, I am delighted to address you and share our resolute commitment to transforming the future of farming in India and beyond.

The current situation in farming presents us with challenges and opportunities that demand a holistic approach. The Indian economy is intricately intertwined with agriculture, and the well-being of our nation rests on the shoulders of our farmers. Recognizing this, we have embraced a philosophy centered on sustainability, eco-friendliness, and the empowerment of the farming community.

Organic farming, the future of agriculture, is paramount in our strategy. As we gaze into the horizon of future forecasting, it's clear that the demand for organic produce is set to soar. With our unwavering dedication to eco-friendly practices, we are not only manufacturing organic fertilizers and bio-fertilizers but also offering complete crop solutions that enhance crops production. We believe that higher production not only bolsters farmers' growth but also contributes to the overall prosperity of our nation.

Our journey is propelled by a deep-rooted passion to understand the future demand for agricultural products. By focusing on the ever-increasing need for organic farming, we are aligning our efforts with global trends that advocate for healthier, sustainable agricultural practices. The shift towards organic farming is not just a choice; it's a necessity that respects the environment, enhances soil fertility, and ensures the health of consumers.

At Narmada Bio Chem Ltd we recognize that being environmentally responsible also means being economically efficient. Our range of cost-effective fertilizers embodies this principle, providing farmers with solutions that are not only friendly to their budgets but also to the planet.

In conclusion, our commitment extends far beyond business goals. We are committed to empowering the farming community, elevating their status, and fostering a future where agriculture thrives harmoniously with nature. Together, let's sow the seeds of change, nurture innovation, and reap the bountiful harvests of a brighter, greener tomorrow.



BIO FERTILIZER



Bio NPK

Carrier Based Consortia

COMPOSITION

- ✔ Bio-NPK is a carrier based granular biofertilizer
- ✔ N: Azotobacter, Azospirillum, or Rhizobium
- ✔ P: Phosphate Solubilizing Bacteria (PSB)
- ✔ K: Potash Mobilizing Bacteria (KMB)
- ✔ Total viable count : 3.0×10^7 cfu/g (Min)

ADVANTAGES

- ✔ Availability of NPK nutrients enhanced by bacterial activities.
- ✔ Fixes atmospheric nitrogen by colonizing roots.
- ✔ Converts complex P&K present in soil into easily available form.
- ✔ Enhances seed germination rate and early emergence of roots.
- ✔ Improves qualities like size, shape and pigment of farm produce.
- ✔ Increases shelf life of fruits, vegetables and grains.
- ✔ Develops resistance against environmental stresses.
- ✔ It aids in the improvement of alkaline conditions of soil.
- ✔ Prevents plants from pathogenic fungal diseases.
- ✔ Increases the availability of micronutrients, i.e., Mn, Fe, Mo, B, Zn, and Cu.

Dosage and Application : Soil application at the time of sowing in Basal Dose or Vegetative growth stage @ 75-100 Kg./Acre

Crops : Wheat, Paddy, Maize, Cotton, Sugarcane, Banana, Mustard, Vegetables, Pulses, Oilseed Crops, Mango, Lemon, Coconut, Horticulture Crops etc.

Packing : 50 Kgs



A : Agriculture-focused, highlighting our dedication to advancing agricultural productivity.





Bio KMB

Potassium Mobilizing Bio Fertilizer

COMPOSITION

- ✔ Bio-KMB is a carrier based granular biofertilizer
- ✔ Potassium Mobilizing Bacterial species
- ✔ Total viable count : 5×10^7 cfu/g (Min)

ADVANTAGES

- ✔ Bacteria convert the insoluble form of soil potash to an available form.
- ✔ Protect the plants against saline stress and drought by accumulating carbohydrates.
- ✔ It creates an environment with the desired pH range for improved plant growth.
- ✔ Helps in the mineralization of other complex nutrients.
- ✔ Increases size, shape, pigments of farm produce.
- ✔ Improves the sweetness and ripening of fruits.
- ✔ Develop defence mechanisms of plants against pathogens and pests.
- ✔ Increases the shelf life of fruits, vegetables and grains.
- ✔ Reduces the utilization of chemical based potash fertilizers.

Dosage and Application : Soil application at the time of sowing in Basal Dose or vegetative growth time @ 50-100 Kg./Acre

Crops : Sugarcane, Banana, Potato, Fruits and Vegetables, Wheat, Onion, Pulses, Oilseed Crops, Ornamental plants, Horticulture Crops etc.

Packing : 50 Kgs ►



Bio-ZSB (Kranti)

Zinc Solubilizing Bio Fertilizer

COMPOSITION

- ✔ Bio-ZSB (Kranti) is a carrier based granular biofertilizer
- ✔ Zinc Solubilizing Bacteria
- ✔ Total viable count: 5×10^7 cfu/g (Min.)

ADVANTAGES

- ✔ Solubilizes complex forms of zinc into an available form.
- ✔ Enhances the pigmentation of leaves by increasing chlorophyll content.
- ✔ Prevents the occurrence of 'Khaira' disease in paddy.
- ✔ Increases flowering in plants and improves yield.
- ✔ Increases strength of the stem and promotes stem elongation.
- ✔ Boosts defense mechanisms in plants against pathogens and pests.
- ✔ Produces auxins, an essential plant growth promoting hormone.

Dosage and Application : Soil application at the time of sowing in Basal Dose or Vegetative growth stage @ 25 Kg./Acre

Crops : Paddy, Maize, Wheat, Cotton, Cash Crops, Vegetables, Pulses, Oilseed Crops, Horticulture Crops etc.

Packing : 10, 25 Kgs ►





KOHINOOR

Bio-Enriched Organic Manure

COMPOSITION

Organic composition

- Total Organic Carbon (Min) : 14.0 %
- Total Nitrogen (Min) : 0.8 %
- Total Phosphate (Min) : 0.5 %
- NPK nutrient - Total N, P_2O_5 and K_2O nutrient should not be less than 3%.
- Total Potash (Min) : 0.8%
- Moisture (Max) : 30-40%
- C:N Ratio < 18

Bacterial consortia composition

- Total Viable count: 5×10^6 cfu/g (Min.)

ADVANTAGES

- Organic matter provides natural forms of C, N, P and K and micronutrients.
- PSB, KMB and ZSB bacteria solubilizes complex forms of P, K and Zn nutrients.
- Boosts indigenous soil microflora and transforms complex nutrients.
- Nitrogen-fixing bacteria fixes atmospheric nitrogen into ammonia.
- Organic matter improves the physico-chemical properties of soil.
- Increases the water holding capacity of soil and maintains moisture levels.
- Improves the quality, color and shelf life of fruits, vegetables and crops.
- Neutralizes the pH in alkaline soil conditions.

Dosage and Application : Soil application at the time of sowing in Basal Dose or Vegetative growth stage @ 75-100 Kg./Acre

Crops : Wheat, Paddy, Maize, Cotton, Sugarcane, Banana, Mustard, Vegetables, Pulses, Oilseed Crops, Mango, Lemon, Coconut, Horticulture etc.

Packing : 50 Kgs ►



MULADHAR

Mycorrhizal Bio fertilizer

COMPOSITION

- Total viable spores/grams of product: Minimum 10 Viable spores per gram of finished product.
- pH : 5.0 - 7.0, Base : Granules
- Inoculum potential: 1200 IP per gram of finished product by MPN method with 10 fold dilution.

ADVANTAGES

- Increases phosphorus availability and promotes root growth.
- Facilitates nutrient uptake from the soil.
- Increases water holding capacity.
- Develops resistance against drought.
- Protect plants from pathogenic diseases.
- Enhances plant growth and increases yield.

Dosage and Application : 4 Kg/acre as soil application. The repetition of dosage depends on type of soil and variety of crops. Top dressing dose at the time of sowing, broadcast the granules evenly in the field.

Crops : Cereals. Oil seeds, Pulses, Millets, Vegetables, Fruits, Wheat, Sorghum, Maize, Onion, Tobacco, Grapes, Coconut, Tomato, Barley, Cotton, Chilli.

Packing : 4 Kgs ►





ORGANIC — FERTILIZER —



POWER PHOS

Phosphate Rich Organic Manure

COMPOSITION

- ✔ Total Organic Carbon (Min) - 8.0%
- ✔ Total Nitrogen (Min) - 0.4%
- ✔ Total P_2O_5 (Min). 8.0%
- ✔ C:N Ratio - < 20:1
- ✔ Moisture (Max) - 25%

ADVANTAGES

- ✔ It is a rich source of phosphorous and organic substitute for DAP.
- ✔ Organic Carbon increases water holding capacity and porosity of soil.
- ✔ Organic carbon boost soil microflora that enhances nutrients mobilization.
- ✔ Organic matter enriches soil with N, P, K and other micronutrients
- ✔ Improves root elongation and overall plant growth.
- ✔ Increases chlorophyll content.
- ✔ Improves quality and yield of crops.
- ✔ Boosts tolerance against plant pathogenic diseases.

Dosage and Application : Soil Application at the time of seed drill or by broadcasting as a basal dose @ 75-100 kg/acre.

Crops : Wheat, Rice, Maize, cotton, Sugarcane, Tobacco, Oilseeds, Vegetables, Pulses, Horticulture Crops etc.

Packing : 50 Kgs ►



Bhoomandal

Fermented Organic Manure (FOM)

COMPOSITION

- ✔ Total Organic Carbon (mini) - 14%
- ✔ C:N ratio - <20
- ✔ Total N, P_2O_5 and K_2O nutrient should not be less than - 1.2%
- ✔ Moisture (max) - 30 - 40%
- ✔ pH - 6.5 - 8.0

ADVANTAGES

- ✔ Enriches the soil with the organic form of carbon.
- ✔ Improves soil structure and increases N, P and K nutrient availability.
- ✔ Enhances microbial activity for nutrient cycling in the soil.
- ✔ Helps in better water retention and reduces soil erosion.
- ✔ Develops resistance in plants against harmful pathogens.
- ✔ Improves soil porosity leads to better root penetration.

Dosage and Application : Soil Application- before sowing @ 250-300 Kg/Acre

Crops : Cereals, Vegetables, Flowers, Chilli, Tomato, Brinjal, Banana, Pomegranate, Citrus, Mango, Cotton, Sugarcane, Tea, Coffee, Cocoa, Pepper, Grape, Potato etc.

Packing : 30 Kgs ►





BIO GOLD

Organic Manure

COMPOSITION

- ✔ Total organic carbon (min) - 14.0%
- ✔ Total Nitrogen (min) - 0.5%
- ✔ Total Phosphates (min) - 0.5%
- ✔ Total Potash (min) - 0.5%
- ✔ NPK Nutrient - Total P_2O_5 and K_2O nutrient not less than 3%
- ✔ C:N Ratio - < 20
- ✔ Moisture (max) - 25%

ADVANTAGES

- ✔ Encourages the slow release and steady supply of nutrients to plants.
- ✔ Provides all macro and micro nutrients in the concentration required by plants.
- ✔ Converts the complex nutrients into simpler forms by enhancing microbial activities.
- ✔ Organic content improves the water-holding capacity of soil, keeping it moist.
- ✔ Increases the size, color and longevity of fruits, vegetables & grains.
- ✔ Stimulates the synthesis of proteins and carbohydrates in crops.
- ✔ Helps in maintaining the C:N ratio and increases soil fertility.

Dosage and Application : Soil Application at the time of Field preparation or Basal dose @ 100-150 Kg./Acre

Crops : Vegetables, Pulses, Cereals, Cash Crops, Oilseed Horticulture Crops etc.

Packing : 50 Kgs ▶



Bio Zyme - G

Granules

COMPOSITION

- ✔ Biozyme is a product developed with a combination of fulvic acid, amino acid, humic acid, enzymes, crude proteins, and alginic acid extracts from selected seaweed.

ADVANTAGES

- ✔ Provides plant growth promoting hormones.
- ✔ Promotes early germination and vigorous seedling growth.
- ✔ Increases soil microbial activity and aids in nutrient uptake.
- ✔ Enhances photosynthesis and nutrient assimilation.
- ✔ Reduction in the fruits and flowers drop.
- ✔ Improves the size and weight of farm produce and increases yield.

Dosage and Application : Soil Application-at the time of vegetative growth or flowering stage @ 10 kg/Acre

Crops : Paddy, Maize, Wheat, Cotton, Sugarcane, Tobacco, Vegetables, Pulses, Oilseed Crops, Horticulture Crops etc.

Packing : 5, 10, 25, 50 Kgs ▶





PDM

Potash Derived from Molasses

COMPOSITION

- Maximum moisture (max) - 5%
- Water soluble potash (K_2O) (min) - 14.5 %

ADVANTAGES

- PDM fertilizer is a rich source of organic potash.
- Organic matter improves the nutrient composition of soil.
- Increases resistance in plants against fungal diseases.
- Help plants to withstand drought, salinity and temperature extremes.
- Enhances flowering and fruiting in plants.
- Increases the size, shape and quality of farm produce.
- Increases the shelf life of fruits, vegetables and grains.

Dosage and Application : Soil Application-at the time of sowing in basal dose or Flowering time @ 50-75 Kg./Acre

Crops : Potato, Sugarcane, Banana, Cereals, Cash Crops, Vegetables, Pulses, Oilseed Crops, Horticulture Crops etc.

Packing : 50 Kgs ►



PROM

Phosphate Rich Organic Manure

COMPOSITION

- Total Organic Carbon (Min) - 8.0%
- Total Nitrogen (Min) - 0.4%
- Total P_2O_5 (Min). 8.0%
- C:N Ratio - < 20:1
- Moisture (Max) - 25%

ADVANTAGES

- Organic carbon improves soil fertility by replenishing nutrient levels.
- Promotes root growth, flower formation and fruit development in plants.
- P and organic forms of C and N maintain the luster and moisture of the soil.
- Increases yield, quality and nutritional value in crops.
- Boosts the population of beneficial soil microorganisms.
- Prevents soil from being acidic and toxic.
- Improves the water-holding capacity of soil.
- PROM: A substitute for DAP

Dosage and Application : Soil Application at the time of Basal Dose @ 75 - 100 kg./Acre.

Crops : Paddy, Maize, Wheat, Cotton, Sugarcane, Tobacco, Vegetables, Pulses, Oilseed Crops, Horticulture Crops etc.

Packing : 50 Kgs ►





Power Gold, Diamond, Tej

Ca-Mg-S

COMPOSITION

- Power-Gold / Diamond / Tej contains following secondary nutrients :
- Ca : Mg : S : P_2O_5 (20 : 5 : 20 : 2.0)

ADVANTAGES

- Calcium is required for structural formation of cell walls and cell membranes.
- Magnesium is the central component of chlorophyll that helps in photosynthesis.
- Sulphur produces vital compounds such as starch, sugars, oils, fats and vitamins.
- Improves physical, chemical and biological properties of the soil.
- Promotes soil aggregation, leads to better aeration and water infiltration.
- Increases water retention in soil and reduces the frequency of irrigation.
- Adjust the soil's pH level, make it more suitable for specific plants or crops.
- Reduces soil compaction and reduces soil erosion caused by wind and water.
- Phosphorus supports root development, flowering and fruiting.

Dosage and Application : Soil Application at the time of Vegetative growth stage @ 50 kg./Acre

Crops : Cereals, Cash Crops, Vegetables, Tubers, Pulses, Oilseed Crops, Horticulture Crops etc.

Packing : 50 Kgs ▶



NARMADA CALC

Soil Conditioner

COMPOSITION

- Narmada CALC contains secondary nutrients like calcium, magnesium and sulphur. It also contains micronutrients like zinc, iron, copper, boron and manganese.

ADVANTAGES

- It provides all essential micronutrients to support the plant's growth.
- Enhances the uptake of secondary nutrients like calcium, magnesium and sulphur.
- Works as a catalyst for many enzymatic & metabolic activities of plants.
- Improves soil fertility by replenishing nutrients.
- Increases synthesis of chlorophyll, proteins and carbohydrates.

Dosage and Application : Soil Application in Basal dose or at the time of flowering stage @ 25 Kg./Acre

Crops : Tomato, Potato, Cucumber, Sugarcane, Banana Cereals, Cash Crops, Vegetables, Tubers, Pulses, Oilseed Crops, Horticulture Crops etc.

Packing : 25 Kgs ▶





CHEMICAL — FERTILIZER —



VIRAT

Single Super Phosphate Fortified With Zinc and Boron - Granulated

COMPOSITION

- Available Phosphorus (as P_2O_5) : 16.0%
- Water soluble Phosphorus (as P_2O_5) : 14.5%
- Free phosphoric acid (as P_2O_5) : 4.0%
- Sulphur (S) : 11.0%
- Boron (as B) : 0.2%
- Zinc (as Zn) : 0.5%
- Calcium : 18- 21%

ADVANTAGES

- Both are collectively responsible for lush green plant growth and attaining high yields.
- Zinc also plays a significant role in developing resistance in plants against diseases.
- Zn helps in photosynthesis and the production of auxins, growth hormones.
- Provides phosphorus to crops that are required in higher concentrations.
- Boron plays a key role in cell wall formation and the stability of plants.
- Enrich the soil with B, which is sandy and devoid of organic matter.
- The acidic nature of SSP neutralizes the alkaline soil conditions.

Dosage and Application : Soil application at the time of Basal dose@ 100-150 Kg./Acre

Crops : Groundnut, Mustard, Soybean, Sugarcane, Wheat, Cereals, Cash Crops, Vegetables, Tubers, Pulses, Horticulture Crops etc.

Packing : 50 Kgs ➤



TRISHUL

Single Super Phosphate Zincated - Granulated and Powder

COMPOSITION

- Available Phosphorus (as P_2O_5) : 16.0%
- Water soluble Phosphorus (as P_2O_5) : 14.5%
- Free phosphoric acid (as P_2O_5) : 4.0%
- Sulphur (S) : 11.0%
- Zinc (as Zn) : 0.5%
- Calcium : 18- 21%

ADVANTAGES

- Zinc triggers the synthesis of plant growth-promoting hormones.
- Helps to produce antioxidants that protect lipids, proteins and nucleic acids in plants.
- It helps in carbohydrates & protein synthesis, and increases plant biomass.
- Improves photosynthesis, leading to enhanced plant growth.
- Zinc activates various defense mechanisms in plants against diseases.
- Increases the strength of the cell wall and makes the stem stout.

Dosage and Application : Soil application at the time of Basal dose@ 100-150 Kg./Acre

Crops : Groundnut, Mustard, Soybean, Wheat, Paddy, Cash Crops, Vegetables, Tubers, Pulses, Horticulture Crops etc.

Packing : 50 Kgs ➤





SSP

Single Super Phosphate - Granulated and Powder

COMPOSITION

- Available Phosphorus (as P_2O_5) : 16.0%
- Water soluble Phosphorus (as P_2O_5) : 14.5%
- Sulphate Sulphur (as S) : 11.0%
- Calcium : 18- 21%
- Free phosphoric acid (as P_2O_5) : 4.0%

ADVANTAGES

- SSP provides a concentrated and readily available form of phosphorus to plants.
- Improves the oil content in oilseed crops like groundnut, soybean, cotton, mustard etc.
- Improves nutrients and water uptake by promoting better root development.
- Useful for crops that require a high dose of 'P' during their early growth stages.
- Characteristics of quick release of 'P' reduce the risk of runoff.
- SSP has an acidic pH, which helps to correct soil alkalinity.
- Acts as a soil reclamation agent and improves soil quality.
- SSP has a long shelf life as compared to some other chemical fertilizers.

Dosage and Application : Soil application at the time of Basal dose@ 100-150 Kg./Acre

Crops : Oilseed Crops like Groundnut, Mustard, Soybean, Cash Crops, Vegetables, Pulses, Horticulture Crops etc.

Packing : 50 Kgs



BSSP

Single Super Phosphate Boronated - Granulated and Powder

COMPOSITION

- Available Phosphorus (as P_2O_5) : 16.0%
- Water soluble Phosphorus (as P_2O_5) : 14.5%
- Free phosphoric acid (as P_2O_5) : 4.0%
- Sulphur (S) : 11.0%
- Boron (as B) : 0.2-0.3%
- Calcium : 18- 21%

ADVANTAGES

- SSP fortified with B has several physiological impacts on plant growth.
- Helps in the translocation of calcium and prevents Blossom end rot in plants.
- Boron plays a vital role in cell division, pollen germination and fertilization.
- Influences the metabolism of carbohydrates in plants.
- It is crucial for plant growth, rigidity and structural strength.
- Regulates plant hormones, particularly auxins.

Dosage and Application : Soil application at the time of Basal dose@ 100-150 Kg./Acre

Crops : Groundnut, Mustard, Soybean, Cereals, Cash Crops, Vegetables, Tubers, Pulses, Horticulture Crops etc.

Packing : 50 Kgs





UREA Neem Coated

COMPOSITION

- Available Nitrogen : 46.0 %
- Neem oil content soluble in Benzene : 0.035 %

ADVANTAGES

- Promotes early plant establishment, growth of leaves and stems.
- Improves the quality of foliage, number of tillers and plant height.
- It provides amino acids, proteins and carbohydrates to the plants.
- It can be readily absorbed by plants and has fast-acting effects.
- Neem oil protects the plants from pests and fungal diseases.
- It is an economical choice for large-scale agricultural applications.

Dosage and Application : Soil Application at the time of Basal dose and top dressing at the time of Vegetative growth @ 50-75 kg./Acre

Crops : Cereals, Cash Crops, Vegetables, Tubers, Pulses, Oilseed Crops, Horticulture Crops etc.

Packing : 45 Kgs ▶



DAP Diammonium Phosphate

COMPOSITION

- Total nitrogen (Ammoniacal and Urea) : 18.0%
- Available phosphorus (as P_2O_5) : 46.0%
- Water Soluble Phosphorus (as P_2O_5) : 39.5%

ADVANTAGES

- DAP fertilizers are rich in N and P two essential nutrients for plant growth.
- Nitrogen promotes vegetative growth, leaves development and overall plant vigor.
- DAP fertilizers have a long shelf life and remain stable for extended periods.
- Phosphorus supports root development, flowering and fruiting.
- Enhances seed germination and early plant establishment.
- The pH level of soil can be adjusted to a more suitable range.
- The combination of N and P promotes increased crop yields.

Dosage and Application : Soil Application at the time of Basal dose at the time of sowing @ 50-75 kg./Acre

Crops : Cereals crops, Cash Crops, Vegetables, Tubers, Pulses, Oilseed Crops, Horticulture Crops etc.

Packing : 50 Kgs ▶





MOP

Muriate of Potash

COMPOSITION

- Available Potash (as K_2O) : 60.0%
- Sodium (as NaCl) : 3.5%

ADVANTAGES

- MOP is a rich source of potassium, which is an essential nutrient required by plants.
- It is crucial for root development, water and nutrient uptake, photosynthesis, proteins and carbohydrates synthesis.
- Potassium strengthens the plants and boosts defense mechanisms against plant pathogenic diseases and environmental stressors.
- Potassium improves the color, flavor and shelf life of farm produce.
- It is a highly soluble fertilizer, compatible with a wide range of soils and crops.

Dosage and Application : Soil Application at the time of sowing and vegetative growth stage @ 50- 100 kg./Acre

Crops : Cash Crops, Vegetables, Tubers, Pulses, Cereals Crops, Oilseed Crops, Horticulture Crops etc.

Packing : 50 Kgs ►



APS

Ammonium Phosphate Sulphate Nitrate

COMPOSITION

- Total Nitrogen (Ammoniacal + Nitrate) : 20.0%
- Ammoniacal nitrogen : 18.0%
- Available phosphorus (as P_2O_5) : 20.0%
- Water Soluble Phosphorus (as P_2O_5) : 17.0%
- Sulphate Sulphur (as S) : 13.0%

ADVANTAGES

- It offers readily available nitrate nitrogen, which can be quickly absorbed by plants.
- Nitrogen promotes vegetative growth, leaves formation and overall plant vigor.
- Combined nutrients help in carbohydrates accumulation and biomass synthesis.
- Phosphorus supports root development, flowering and fruiting.
- Sulphur is important for protein synthesis and enzyme activity.

Dosage and Application : Soil Application at the time of sowing/top dressing/flowering stage @ 50-100 kg./Acre

Crops : Cereals Crops, Paddy, Potato, Cash Crops, Vegetables, Tubers, Pulses, Oilseed Crops, Horticulture Crops etc.

Packing : 50 Kgs ►





MAGNESIUM SULPHATE

Micronutrient Fertilizer

COMPOSITION

- ✔ Magnesium (as Mg) : 9.5%
- ✔ Sulphate sulphur (as S) : 12.0%

ADVANTAGES

- ✔ Provides a source of Mg and S which are essential nutrients for plant growth.
- ✔ Sulphur is necessary for protein synthesis, root development and overall plant health.
- ✔ Adequate Mg level develops resistance against environmental stresses and diseases.
- ✔ Magnesium enhances photosynthesis and prevents chlorosis.
- ✔ Mg is involved in regulation of metabolic processes and plant hormones.
- ✔ Enhances fruit setting, size, quality as well as improves seed production.

Dosage and Application : Soil Application at the time of vegetative growth stage/flowering & fruiting stage @ 10 - 25 kg/Acre

Crops : Cereals Crops, Cash Crops, Vegetables, Oilseed Crops, Horticulture Crops, Tubers, Pulses etc.

Packing : 25, 50 Kgs ►



ZINC 4+

Mixed Micro Nutrients

COMPOSITION

- ✔ Gujarat Grade V - Fe: 2.0%, Mn: 0.5%, Zn: 5.0%, Cu: 0.5%, B: 0.5%

ADVANTAGES

- ✔ Zinc 4+ is a micronutrient mixture essential for better plant growth.
- ✔ Zn is required for synthesis of proteins, carbohydrates and auxins.
- ✔ Zn and Fe increases photosynthetic efficiency and healthy leaves development.
- ✔ Iron availability is crucial for the nitrogen fixation process.
- ✔ Mn helps in nitrogen assimilation and cell membrane integrity in plants.
- ✔ Cu is essential for enzymatic reactions for respiration and lignin synthesis.
- ✔ B is important for flowering, pollen germination and fruit development.
- ✔ Zinc 4+ increases resistance in plants against drought and pathogenic diseases.

Dosage and Application : Soil Application at the time of flowering & fruiting stage @ 10 kg/Acre

Crops : Wheat, Paddy, Cotton, Sugarcane, Banana, Cereals, Tubers, Cash crops, Vegetables, Pulses, Oilseed crops, Horticulture crops etc.

Packing : 5, 10, 25 Kgs ►



AMMONIUM SULPHATE

COMPOSITION

Ammoniacal nitrogen : 20.5%

Sulphate sulphur (as S) : 23.0%

ADVANTAGES

- Provides a readily available source of nitrogen and sulphur to plants.
- Ammonium sulfate is an acidic fertilizer and its application can correct soil pH.
- Sulphur is necessary for the synthesis of amino acids, vitamins and enzymes
- Nitrogen is useful for the formation of proteins, enzymes and chlorophyll.
- Support plants during vegetative growth and fruiting growth stage.

Dosage and Application : Soil Application at the time of vegetative growth stage/early flowering & fruiting stage @ 50 kg/Acre

Crops : Cereals, Cash Crops, Vegetables, Tubers, Pulses, Oilseed Crops, Ornamental plants, Horticulture Crops etc.

Packing : 50 Kgs ►



BENTONITE SULPHUR

COMPOSITION

Bentonite sulphur 90.0%, Bentonite 10.0%

ADVANTAGES

- Provides a slow-release source of sulphur for plants.
- Increases protein content in crops.
- It increases the pungency in onion, garlic and chili crops.
- It maintains soil pH from alkaline condition.
- Retain the moisture content of soil for a long time.

Dosage and Application : Soil Application at the time of sowing @ 10 - 15 kg/Acre

Crops : Groundnut, Mustard, Soybean, Cotton, Cereals, Tubers, Cash Crops, Vegetables, Pulses, Oilseed Crops, Horticulture Crops etc.

Packing : 10, 25 Kgs ►



NARMADA STAR SULPHUR 90%

WDG - Water Dispersible Granules

COMPOSITION

Total elemental sulphur (as S) 90.0%

ADVANTAGES

- Provides a concentrated form of sulphur for plants.
- Increases oil content in oilseed crops.
- Essential for structural development, protein synthesis and nutrient transport.
- It is available in WDG so easily absorbed by the plants.
- Improves the flavor, color and quality of fruits, vegetables and grains.

Dosage and Application : Soil Application at the time of sowing @ 3 kg/Acre

Crops : Cereals, Tubers, Cash crops, Vegetables, Pulses, Oilseed crops, Horticulture crops etc.

Packing : 3, 15, 30 Kgs ►





LIQUID

— FERTILIZER —

DOSAGE AND APPLICATION

SEED TREATMENT : Prepare a solution of Jaggery and mix 5 ml biofertilizers and coat evenly on 1 kg of seeds.

SOIL APPLICATION : Mix 1 liter of liquid bio fertilizer with 100-150 kg of organic fertilizer and apply to 1 acre of land.

DRIP SYSTEM : It can be used at a dose of 1 litre per acre.

ROOT DIPPING : Mix 10 ml of liquid Bio-fertilizer with 1 litres of water and dip the roots of seedling for 15-20 minutes before transplanting.

NOTE : Keep away from heat and direct sunlight. Store in a dry and cool place at or below 30°C. Do not use it in combination with chemical fertilizers/pesticides/herbicides.





Bio NPK, AZOTOBACTER, RHIZOBIUM

COMPOSITION

- ✔ Nitrogen fixing bacteria (NFB)
- ✔ Potassium mobilizing bacteria (KMB)
- ✔ Phosphate solubilizing bacteria (PSB)
- ✔ Total viable count : 1.5×10^8 cfu/ml (Min) of NPK bacteria

ADVANTAGES - Bio NPK

- ✔ Nitrogen fixing bacteria fixes atmospheric nitrogen.
- ✔ PSB and KMB solubilizes complex forms of P and K.
- ✔ Increases the availability of micronutrients-Mn, Mg, Fe, Mo, B, Zn and Cu.
- ✔ Increases seed germination and overall plant growth.
- ✔ Helpful in controlling pests and pathogenic diseases.
- ✔ Improves water holding capacity of soil.
- ✔ Improves the color and shelf life of fruits, vegetables and crops

COMPOSITION

- ✔ Total viable count: 1.0×10^8 cfu/ml (Min)

ADVANTAGES - RHIZOBIUM

- ✔ Fixes atmospheric nitrogen into usable form by plants.
- ✔ Shows symbiotic association with roots of leguminous crops.
- ✔ Increases soil porosity and water holding capacity.
- ✔ Rhizobium is particularly beneficial in nitrogen-deficient soils.
- ✔ Helps in synthesis of proteins and increases plant growth.
- ✔ Induces better soil health and fertility, useful for subsequent non-leguminous crops in the rotation.

ADVANTAGES - AZOTOBACTER

- ✔ Fixes atmospheric nitrogen into ammonium, which can be easily used by plants.
- ✔ Fixes 20-25 kg of atmospheric nitrogen per hectare.
- ✔ Secretes phytohormones which increases seed germination rate.
- ✔ Produces antimicrobial substances and suppress pathogens.
- ✔ Produces vitamins, amino acids and enzymes for plant growth.
- ✔ Reduces the utilization cost of chemical nitrogen fertilizers.

Packing : 1 Ltr ►



Crops : Cereal Crops, Oilseed Crops, Herbs, Fruits and Vegetables, Banana, Sugarcane, Potatoes, Spices, Legumes, Orchards and Horticulture.

L : Limitless growth potential, reflecting our aspirations for the future.



KMB, PSB, ZSB

COMPOSITION

- ✔ Total viable count: 1.0×10^8 cfu/ml (Min)

ADVANTAGES - POTASSIUM MOBILIZING BACTERIA

- ✔ Mobilizes insoluble form of potassium to soluble form.
- ✔ Develops resistance against diseases and environmental stresses.
- ✔ Protect the plants from salinity stress by accumulating carbohydrates.
- ✔ Increases size, shape and sugar content in fruits, vegetables and grains.
- ✔ Improves the pigmentation and shelf life of farm produce.
- ✔ Reduces utilization cost of potash based chemical fertilizers.

ADVANTAGES - PHOSPHATE SOLUBILIZING BACTERIA

- ✔ Converts insoluble forms of phosphorus into soluble forms.
- ✔ Improves soil fertility by decomposing organic matter.
- ✔ Inhibits growth of plant pathogens by producing antibiotics.
- ✔ Increases the availability of other essential micronutrients.
- ✔ Increases root growth, strength of stalks and stems and quality of crops.
- ✔ Reduces application rates of phosphatic fertilizers by 50%.

ADVANTAGES - ZINC SOLUBILIZING BACTERIA

- ✔ Solubilizes the insoluble form of Zinc into soluble form.
- ✔ Helps in synthesis of Auxins (plant hormone) for stem elongation.
- ✔ Increases photosynthetic activity of plants and increases quality of yield.
- ✔ Regulates plant growth including internode elongation.
- ✔ Develops resistance in plants against drought, heat and oxidative stress.
- ✔ Increases synthesis of proteins and carbohydrates in plants.
- ✔ Prevents 'Khaira' disease in paddy.

Packing : 1 Ltr ►



Crops : Cereal Crops, Oilseed Crops, Herbs, Fruits and Vegetables, Banana, Sugarcanes, Potatoes, Spices, Legumes, Orchards and Horticulture.





AZOSPIRILLUM

COMPOSITION

✔ Total viable count: 1.0×10^8 cfu/ml (Min)

ADVANTAGES - AZOSPIRILLUM

- ✔ Fixes atmospheric nitrogen and makes it available for plants.
- ✔ Produces plant growth promoting hormones.
- ✔ Helps in seed germination and early root emergence.
- ✔ Increases plant biomass, vegetative growth and crop yield.
- ✔ Produces antifungal substances and prevents plant diseases.



Packing : 1 Ltr ►



NANO UREA

COMPOSITION

- | | |
|------------------------------------|---------------------------------------|
| ✔ Nitrogen % by weight : 1-5 | ✔ Zeta Potential (mV) : $\geq \pm 30$ |
| ✔ Particle Size (nm) - TEM : 20-50 | ✔ Viscosity (CPS) : 5-30 |
| ✔ Particle Size (nm) - DLS : 20-80 | ✔ pH : 4.5-6.0 |

ADVANTAGES

- ✔ Its absorption in plants is higher than other N fertilizers.
- ✔ Less environmental losses than conventional Urea.
- ✔ Increase nutrient uptake efficiency
- ✔ Enhance crop yield & Cost-effective.
- ✔ Reduce harmful impact on environment
- ✔ Minimize transportation and labor cost.



Packing : 500 ML ►

Crops : Cereal Crops, Oilseed Crops, Herbs, Fruits and Vegetables, Banana, Sugarcane, Potatoes, Spices, Legumes, Orchards and Horticulture.

Service for Nation, Support for Farmers





Healthy Soil Makes A Farmer Wealthy



Narmada Bio-chem Limited

: Regd. Office :

“Narmada House”, Plot No. 252, T. P. No. 50, Sindhu Bhavan Road,
Off S. G. Highway, Thaltej-Bodakdev, Ahmedabad-380 059. (Guj.) India
Phone : +91 79 26871072, 26870005



Connect with us

UNIT : 1

426/2, plot No - 3,4,5,6 MahaGujarat Industrial Estate,
Sarkhej-Bavla Highway, At & Post:Moraiya,Changodar
Ahmedabad-382 213 Gujarat, India.

UNIT : 2

426/2, Plot No.130,131, Mahagujarat Industrial Estate,
Sarkhej-Bavla Highway, At & Post:Moraiya, Changodar
Ahmedabad-382 213 Gujarat, India.

UNIT : 3

Block No. 74,88,89,90, Ahmedabad Kheda
highway - NH 64, At & Post: Malarpura,
Ta-Dist: Kheda-387 540 Gujarat, India.

UNIT : 4

Block No: 268, Ahmedabad Rajkot highway - NH 47,
At & Post: Kalyangadh, Ta:Bavla Dist.
Ahmedabad-382240 Gujarat, India.

☎ Customer Care : 1800 233 5504 ✉ E-mail : narmada@nbclindia.com 🌐 web : www.nbclindia.com

FOLLOW US :