



"Khuba Soil Conditioner" is an organic, mineral-based fertilizer designed for root delivery, providing essential macro and micro-nutrients such as phosphorus, potassium, calcium, magnesium, humic acid, organic carbon, silicon, boron, manganese, iron, copper, amino acids, fulvic acid, sulfur, molybdenum, and various trace elements. **It stands out as the only fertilizer fortified with all essential macro and micro nutrients. Moreover, it contains nitrogen-fixing bacteria and has the ability to collect moisture from the air (Hygroscopic nature), offering support to plants during water scarcity and high temperatures. With a long lifespan, it establishes a favorable environment, fostering the growth of beneficial bacteria. The improvement in soil life enables it to naturally balance the pH of any soil and water.** The farmer, can replace any existing fertilizer and does not need any other fertilizer and can apply it to field in similar fashion as being done normally.

This versatile conditioner is suitable for any crop or plant, thriving in various soil types, water conditions, and climates. The primary focus is on nutrient supplementation and soil health, indirectly aiding in insect control by enhancing plant vigor and overall health. Healthy plants, naturally equipped to resist diseases and recover from insect infestations, lead to higher yields and lower the cost of cultivation.

Deserts / arid lands, invest heavily on ground lining , to retain water in lieu of plastic sheet and off late they have started spraying the soil with hydrophobic synthetics which will eventually lead to land degradation, water contamination and may cause health issue of the plants and may pose problem to consumers in the long run.

Khuba Soil Conditioner can be used as lining material to retain water and also does the work of fertilizing the plants and will never cause any environmental issues or pose any problem for plant or human health as the constituents are natural by nature and have been tested by agriculture university that they do not carry any harmful chemicals that are used in farms world over.

KHUBA SOIL CONDITIONER

ORGANIC FERTILIZER

Packing: 50 kilogram bag.

Jumbo Bags: 500 or 1000 Kilogram.



Farming in Deserts and Arid Lands

The challenges faced in desert agriculture are indeed significant, with water scarcity being one of the most pressing issues. Traditional irrigation methods such as flood irrigation can result in water loss due to evaporation and runoff, while drip irrigation, although more efficient, can be expensive and requires careful management to prevent clogging.

In addition to water loss, the harsh climatic conditions and low soil fertility in desert areas can result in nutrient deficiencies and poor plant growth. The use of plastic mulch, while it can help conserve water, can also lead to water logging and reduced oxygen supply to plant roots, further exacerbating these issues.

This is where the Khuba Group can play an important role in supporting sustainable agriculture in desert regions. By providing tailor-made products to enrich the soil with organic matter and microorganisms, they can help improve soil fertility and water-holding capacity while also promoting plant growth and resilience.

Overall, while the challenges facing desert agriculture are significant, there are also many opportunities for innovation and sustainable development. By working together with farmers, policymakers, and other stakeholders, organizations like the Khuba Group can help create a more resilient and sustainable future for desert agriculture and the millions of people who rely on it for their livelihoods.

Khuba Soil Conditioner for Desert and Arid Land Farming

Water and plant nutrients are scarce in deserts and arid lands. The primary issue of water loss and percolation is commonly addressed by using plastic sheets or liners. However, this can lead to plant drowning, loss of exchange capacity, leaf yellowing, and stunted growth.

The use of plastic liners or hydrophobic chemicals can be avoided by using hygroscopic natural minerals like Khuba Soil Conditioner. Specially formulated for deserts, arid areas, and regions with limited water, Khuba Soil Conditioner provides essential nutrients while preventing water loss.

Key Benefits and Applications:

- 1. Water Loss Prevention:** Khuba Soil Conditioner acts as a water loss barrier, allowing easy breathability for plants and delivering all required nutrients in a sustained manner. A minimum one-inch layer of Khuba Soil Conditioner can be used as a bottom layer in planting pits to prevent water percolation while maintaining breathability essential for plant survival.
- 2. Nutrient Supply:** Mixing Khuba Soil Conditioner at a ratio of 1/10 with the soil used for refilling planting pits ensures easy access to macro and micro-nutrients. This approach eliminates the need for additional fertilization for 2 to 3 years.
- 3. Water Retention and Moisture Absorption:** Khuba Soil Conditioner retains applied water and draws moisture from the atmosphere, reducing the need for frequent watering. This is particularly beneficial in arid regions where water is a scarce resource.

4. Soil Fertility and Plant Growth: By enriching the soil with organic matter and beneficial microorganisms, Khuba Soil Conditioner creates a conducive environment for plant growth and higher yields, even in deserts and semi-arid lands.

Plant Well-being with Khuba Soil Conditioner

Khuba Soil Conditioner ensures the availability of all essential macro and micro-nutrients required for optimal plant growth, including phosphorus, potassium, calcium, magnesium, humic acid, organic carbon, silicon, boron, manganese, iron, copper, amino acids, fulvic acid, sulfur, molybdenum, and various trace elements. This comprehensive nutrient profile supports healthy and robust plant development.

Benefits to Plant Well-being:

1. Enhanced Growth and Development:

- Nutrient Availability: With all essential nutrients readily available, plants exhibit improved growth rates and healthier development. This results in stronger root systems, vibrant foliage, and increased resistance to environmental stresses.
- Water Retention: The hygroscopic nature of Khuba Soil Conditioner helps retain moisture in the soil, providing consistent hydration to plants even during periods of water scarcity. This ensures steady growth and reduces the risk of drought stress.

2. Improved Soil Health:

- Microbial Activity: By promoting beneficial microbial activity, Khuba Soil Conditioner enhances soil fertility and structure. This creates a conducive environment for nutrient uptake and plant health.
- pH Balance: The conditioner naturally balances soil pH, making nutrients more accessible to plants and preventing nutrient lockout.

3. Sustainable Nutrient Supply:

- Long-lasting Effects: The sustained release of nutrients from Khuba Soil Conditioner reduces the need for frequent fertilization. This ensures continuous nutrient supply, supporting prolonged plant growth and productivity.

Higher Nutritional Value and Extended Shelf Life - Enhanced Yield Quality:

1. Nutrient-dense Produce:

- Superior Nutrition: Plants nourished with Khuba Soil Conditioner produce fruits, vegetables, and grains that are richer in essential nutrients. This results in more nutritious and health-promoting food for consumers.
- Improved Taste and Texture: The balanced nutrient supply leads to better taste, texture, and overall quality of the produce.

2. Extended Shelf Life:

- Post-harvest Benefits: The improved plant health and nutrient density contribute to an extended shelf life of the harvested produce. This reduces post-harvest losses and ensures fresher produce reaches the market.
- Enhanced Resilience: Healthier plants are more resilient to pests and diseases, which further contributes to the longevity and quality of the yield.

Benefits to Farmers and Society

1. Economic Gains:

- Higher Yields: The improved growth and productivity of plants lead to higher yields, increasing the farmer's income and profitability.
- Cost Savings: Reduced need for additional fertilizers and pesticides lowers the overall cost of cultivation, providing economic relief to farmers.

2. Environmental Sustainability:

- Reduced Chemical Use: The natural composition of Khuba Soil Conditioner eliminates the need for synthetic fertilizers and chemicals, promoting sustainable and eco-friendly farming practices.
- Soil Conservation: Enhanced soil health and structure contribute to long-term soil conservation, ensuring the land remains fertile and productive for future generations.

3. Public Health:

- Nutritious Food Supply: The nutrient-dense produce benefits consumers by providing healthier food options, contributing to better public health and well-being.
- Food Security: Improved agricultural productivity and extended shelf life of produce help enhance food security, ensuring a stable and reliable food supply for society.

Khuba Soil Conditioner not only enhances plant well-being by providing comprehensive nutrient support but also leads to higher nutritional value and extended shelf life of the produce. This results in economic, environmental, and health benefits for farmers and society, promoting sustainable agriculture and a healthier future for all.

KHUBA SOIL BOOSTER - ORGANIC MANURE

Content: Neem Seed, Organic Carbon, Bio Agent's, Humic, Amino & Natural Extracts.



USE:

1. Antifungal & Antibacterial for soil
2. Natural pest repellent & control
3. Reduces soil borne diseases
4. Enhances soil health & fertility
5. Promotes root health & growth
6. Supply of essential nutrients to plant
7. Promotes flora/fauna in soil
8. Promotes plant immunity

KHUBA SOIL CONDITIONER

PRODUCT: ORGANIC MANURE

PARAMETERS	RESULT
Moisture % by weight, max	20%
Particle Size	95% pass through 4.0 mm sieve
MFP R ₀ 750 ₀	
Bulk density (g/cm ³)	< 1
Total organic carbon by weight	14% Min
Total Nitrogen (as N), by weight	0.58 Min
Total Phosphorus (as P2O5) by weight	0.58 Min
Total Potash (as K2O) by weight	0.58 Min
Total NPK nutrients by weight	3.08 Min
C:N ratio	< 20
pH	6.5 - 7.5
Conductivity (as deionised water)	4.0
Pathogens	Nil

Manufactured by:
KORVI FULLERS
EARTH PROCESSING
INDUSTRY
Address: Khuba Farm,
Kulaberg - SURIC
Karnataka - INDIA
Customer Care:
999690099
khuba@kff.com
www.khuba.in

"Khuba Soil Booster" is a natural and organic soil amendment product delivered through roots. It is designed for seed treatment, aiming to enhance germination, ensure root safety and growth, promote plant growth, improve soil health, and provide natural pest and disease control. The product contains a unique blend of Neem (*Azadirachta indica*) - Indian lilac seed and organic carbon, along with bio agents such as Trichoderma, Humic acid, Amino acid, and seaweed extracts. These components work together to increase microbial activity, safeguard seeds, improve germination, protect the roots, enhance root growth, improve nutrient uptake, and increase plant tolerance to environmental hardships.

For seed treatment, the product can be applied by mixing the seeds and gently blending them by hand, ensuring they are in close contact with the seed for at least one to three hours before plowing. Alternatively, the product can be mixed with water and used to treat the seeds. Another method involves mixing both the seeds and the product, keeping them in close contact for 2 to 3 hours, and then plowing them at once. Additionally, the product can be used to treat the land at least a week before seeding.

For optimal results, it is recommended to mix the product with the soil to be treated and water the soil treated with Khuba Soil Booster at the earliest.

Khuba Soil Booster:

Organic product for seed treatment, root safety and growth.

Five kilogram bag.





"Khuba Growth Promoter" enhances flowering and increases fruit yield, supporting plants in cold weather or low sunlight and promoting overall healthy plant growth. It is a water-soluble plant growth-promoting product that can be delivered through both leaves and roots. The carefully blended combination includes seaweed extract, humic acid, and amino acids such as L-alanine, L-arginine, L-aspartic acid, L-cystine, L-glutamic acid, L-leucine, L-lysine, L-serine, L-threonine, L-tyrosine, L-tryptophan, L-valine, L-histidine, L-isoleucine, L-methionine, L-phenylalanine, L-proline, and L-glycine. Along with amino acids, it contains organic matter, alginic acid, mannitol, phosphorus, potassium, calcium, sulfur, magnesium, copper, iron, manganese.

The purpose of this growth promoter is to enhance plant growth, improve soil quality, encourage increased flowering, and ultimately enhance both the yield and quality of the produce. Being water-soluble, it can be easily absorbed by plants when applied through irrigation or foliar spray. The growth promoter plays a vital role in supporting plants during periods of low sunlight and cold weather, helping them overcome such situations and ensuring healthy growth even in less favorable conditions. While the plant may receive necessary nutrients and water, the growth promoter further boosts the plant's resilience and growth during challenging environmental circumstances.

Growth promoter. Five hundred grams pack



"Natural Horticulture Oil" provides preventive care to avoid various insects and diseases. Each oil constituent and its classification and activity are outlined below:

Azadirachtin: A natural insecticide classified as a limonoid. It acts as an antifeedant, repellent, and growth regulator, inhibiting insect larvae molting. Citral: A natural terpenoid with antimicrobial and insecticidal properties. Citronellol: A natural terpene alcohol with insecticidal, antifungal, and antimicrobial properties. Linalool: A natural terpene alcohol with antimicrobial, insecticidal, and herbicidal properties. Geranyl acetate and Linalyl acetate: Natural terpene esters with insecticidal, fungicidal, and herbicidal properties. Menthol and Menthone: Terpene alcohol and natural terpene ketone, both with insecticidal, fungicidal, and herbicidal properties. Geraniol: A natural terpene alcohol with insecticidal and antimicrobial properties. α -Pinene and Limonene: Natural terpenes with insecticidal, antifungal, and herbicidal properties. β -Ocimene and Terpenolene: Natural terpenes with insecticidal and antifungal properties. α -Terpineol: A natural terpene alcohol with insecticidal and antifungal properties. Methyl heptanone: A natural ketone with insecticidal and fungicidal properties. Many are also used as flavor and fragrance ingredients.

Overall, these natural oils possess insecticidal, antifungal, and herbicidal properties, making them valuable for pest control and improving crop health. They also serve as a natural fertilizer, enhancing soil health and reducing the need for additional fertilizers. This preventive care is crucial for organic farmers, offering proactive protection against potential threats, avoiding significant crop losses, reducing the need for aggressive chemical treatments, and maintaining overall plant health and vitality. The oil also acts as a barrier to water evaporation, protecting plants from excess heat. This product is highly **suitable for organic farmers preferring preventive care** in their growing methods.

The use of companion plants alongside the main crop enhances the effectiveness of natural horticulture oil, promoting diversity and soil life, ensuring long-term soil health and fertility. This approach avoids the use of poisonous materials in fields, keeping insects and diseases at bay in a cost-effective manner.

Natural Horticulture Oil. One liter bottle.



Khuba products facilitate cost-effective organic farming for any crop or fruit plant, making them **suitable for diverse soils and climates.**

Being inherently organic, over time, all Khuba products **transform into fertilizers, leaving no harmful effects on soil, water, or air after use.**

To enhance soil fertility and diversity, consider planting companion plants simultaneously to rejuvenate the soil and deter diseases and insects.

Farmers, aiming to conserve soil and **provide the world with healthy food, play a crucial role in ensuring the transfer of productive farming land to the next generation.**

Since every crop has different needs, the application dosage of our products and companion plants varies depending on the crop and the conditions of your farm. Kindly call us for the information required for your specific crop needs, and we assure you of our attention to your individual requirements.

For more information about **sustainable and cost-effective farming for any crop**, contact:

**Khuba Soil Conditioner
Khuba Plots,
Kalaburgi – 585 102.
Karnataka.
India.**

Cell: 91 – 9590000959 / 9886656013.

Email: korvigroup@gmail.com

Web Site: <https://khuba.in/agriculture>

YouTube: <https://www.youtube.com/@khubasoil>