

KHUBA SOIL CONDITIONERS

What is it:

- Is your product a fertilizer ? No it's a soil conditioner.
- Why do you call it soil conditioner ? Our product enriches the soil with required natural minerals to create a conducive environment for plant growth. It boosts both nutrient efficiency and organic matter content in the soil.
- What form ? Powder.
- Do you have different products for various crops ? No our product is balanced with required minerals and is generally suitable for all types of soil.
- As it is mineral enriched soil, can we plant seeds directly in your product? Yes you can plant seeds directly, but it is not advisable as cost of cultivation goes up.
- Is it organic ? It is organic as the contents are combination of natural minerals.
- How do we test that its organic ? You can grow few plants in a pot using only our product and test the plant & yield to confirm its authenticity. Note: do not mix any other soil which may contaminate the plant intake and also test quality of water being used for watering the plants.
- Do we need to increase or decrease the application over a period of time ? It will decrease on multiple application as the farm becomes more fertile and gets stabilized.
- Does your product play any additional role ? yes our product has capacity to retain water and keep the surrounding area cooler and nutrients are released in sustained manner as per the dynamic needs of the plant, thus making the plants healthy & robust.
- What if the farm is having excess or reduced nutrients in specific area ? Farmer can provide us soil test report, with which we can tailor make our product to meet shortfall in soil or for specific crops. Such requirements may kindly be discussed with the manufacturer for manufacture and supply.

Application:

- How should I use it ? you can use it while tilling or spread it by tractors or sprinkle it with hands or you can mix it with water & spread it in farms.
- How to apply in farm ? you can use the total quantity for the entire tenure of the crop at once while preparing the land, or while seeding or after seeding. Thus reducing labor cost. Alternatively you can apply in parts as usual.
- Will your product work for entire tenure of 9 months for sugar cane or in some cases like Mango's where the crop is on yearly basis ? Yes our product is suitable for single application preferably at the start of planting for better results and our product sustains through out.

- How can you use all required material at once? Our product has been designed for slow release of nutrients in response to the dynamic needs of plants.
- What will happen if it rains heavily after total application? If the top soil is carried away due to heavy rains, our product is lost along with it. In such fields, it is advisable to apply in parts.
- What happens if your product falls on leaf or roots directly? Our product does not harm in any way because our product is neutral in nature.
- What if we use excess? It does not harm the plant, as you can grow any plant directly in our product, but cost of cultivation goes up.
- What if we use less? The plant will be undernourished.
- How much should we use & when? As a generality the same quantity as you were earlier applying other products and at the same time.
- Every land is different so how do we know what quantity to apply? To know the real potential of your field for any particular crop, mark small area and test run using different quantity of the product. Thus you can ascertain right quantity, cost and its benefits.

Watering the fields:

- Chemical based fertilizers need heavy watering after application, how much water is needed for your product? Similar quantity as that of general fertilizers.
- What if the farmer is unable to water his farms after application? Our product does not harm the plant in such event. Yet for better results it is advised to water the crops after application as early as possible.
- What are the effects of excess water in the field? Our product does not lose its efficacy in the event of water logging, until and unless it is washed away.
- Effects of water logging? Our product does not lose its efficacy in the event of water logging.
- What are the effects in the event of hot or cold season? Our product does not create stress in such events.
- Can it be used in drip irrigation? No, this product cannot be used in drip irrigation.

Combination of soil conditioner with others:

- Can we use conventional organic fertilizer with your product? Yes, our studies have shown that use of organic fertilizer preferably farm waste and the like in combination with our product yield good results.

- What quantity is to be used ? As a general rule similar quantity as that of chemical based fertilizer should suffice to give similar results. Yet the farmer may try out variation by in small patches and decide upon the matter.
- What other fertilizers are required to be used with your product ? If the farmer uses required quantity of our product, then we do not need any chemicals based fertilizers.
- Can we use your product along with chemical based fertilizers ? There is no harm in using it, the farmer may try out different combinations to suit his crop and fields.
- How can we compare ? Use our product independently to know the difference on output and cost of cultivation.

Soil improvement:

- How do you improve soil ? Our product carries required natural nutrients which nurture the soil with organic matter that reduces dependency on chemical inputs.
- What do natural minerals do ? They restore depleted mineral content and maintain soil fertility to nurture plant growth.
- Does it enhance biological activity ? Our product enhances biological activity and biodiversity of soils, thus improve the efficiency of nutrient use to produce more robust crops where by help enhancing the quality attributes of produce as well as yield.
- Does it improve organic matter ? our product enhances organic matter in soil.
- Can we use your product in fields which were earlier over fertilized, overexploited and have now become barren ? Yes even in such fields our product has shown excellent results. We recommend a slightly higher dosage for such barren land in the initial year.

Environmental Impact:

- What are the impact on environment ? Our products do not have any impact on the ecosystem as all the ingredients are from natural sources.
- What happens if it leaches into surrounding environment ? it does not have any negative impact to surrounding region.
- Does your product help in reducing earlier impact of excessive usage of pesticide, weedicide or chemical fertilizers ? Our product reduces earlier soil negative impacts and the results can be seen on multi applications over a period of time.

Visible Results:

- When can the results be seen in farms ? visible results can be seen after 4 weeks of application and major changes can be seen after multiple application.
- How will the final produce be ? farmers have reported the yield to be fully grown, consistent in size, weight, taste better and having longer shelf life.

COMPARISION.

Application	Chemical fertilizers	Khuba Soil conditioner.
Activity / life span	Short period	Very long period
Effect of heavy rains	Nullifies	Minimal changes
Effect of Heat-	Negative effect of plant	No effect on plant
Nutrient Uptake by plant	Either use or discard	Easily available anytime
Nutrient availability	Only for short period	Available throughout
Nitrogen	Either use or discard	Available throughout
Plant strength	Strong only when applied	Strong sustained strength
Plant fatigue	Variations of availability	Constant strength available
Excess Nitrogen	Leads to plant softening	Constant supply
Over supply of Nitrogen	Vulnerable to pest attack	Not vulnerable
Over supply of Nitrogen	Vulnerable to diseases	Not Vulnerable
Undersupply of Nitrogen	Leads to lowers growth	Constant availability
Variation of Nitrogen	Lower plant strength	Constant growth
Variation of Nitrogen	Final yield effected	Not effected
Soil Organic matter	Reduced	Not reduced
Organic matter reduction	Lower yields	Constant yield
Organic Matter	Not replenished	Constantly replenished
Organic Matter effects	Looses fertility	Gains fertility
Colonization of plant roots with mycorrhizae	Reduced	Enhanced
Exchange of nutrients	Reduced	Enhanced
Balanced nutrient supply	Erratic	Balanced
Biological Activity	Reduced	Improved mobilization of nutrients
Phosphorus	Intake is erratic	Enhances colonization of mycorrhizae, which improves P supply to plant
Soil Structure	Not enhanced	Enhanced leading to better root growth
Water retention	Not enhanced	Enhanced
Buffering Acidity	No	Buffers acidity
Buffering Alkalinity	No	Buffers Alkalinity
Micro nutrients	Not available	Enhances intake
Micro nutrients retention	No	Yes
Micro organism	Does not sustain	Sustains and enhances
Earth worm	Does not sustain	Sustains and enhances
Soil borne diseases	Does not help	Minimizes
Air borne diseases	Does not help	Minimizes
Ground contamination	High	No effect
Water contamination	Very high	No effect

Ingestion by animals	Toxic	Non Toxic
Nutrient release	Inconsistent	Consistent
Cost	High	Low
Long term effect	Soil loses fertility	Soil fertility enhanced
Plant growth	Variable	Constant
Change in weather	Can be disastrous	Minimal effect
Stunted growth	Possible	Minimal effect
Yield of desired product	Subjected to variation	Constant
Quality of yield	Average	High
Life span of Produce	Average	Extended

Khuba Soil Conditioner Product Disclaimer

All information is given in the best of our knowledge and is believed to be accurate. Your conditions of use and application of the suggested products and recommendations are beyond our control.

Khuba soil conditioners are made from various natural minerals and an average combination is derived to create conducive environment for growth of plants. Our Soil Conditioner is carefully crafted with composition listed below:

1. Calcium as Ca Minimum 10%
2. Magnesium as Mg Minimum 2.5%
3. Sulphur Minimum 2.5%

This information product do not imply the expression of any opinion whatsoever on the application for specific use for farming / agriculture. The information provided does not imply that these have been endorsed or recommended.

The user has to test take trails at his own cost has to ascertain the application of Khuba Soil Conditioners depending upon the actual condition of fields& crops where he intends to use our product.

Khuba Soil conditioners specifically disclaims any responsibility or liability relating to the use of the suggested products and recommendations and shall under no circumstances whatsoever be liable for any special, incidental or consequential damages which may arise from such use.

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