



Conventional chemical based fertilizers versus high quality Khuba Soil conditioners.

Application	Chemical fertilizers	Khuba Soil conditioner
Activity / life span	Short period	Very long period
Effect in event 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 through out
Nitrogen	Either use or discard	Available through out
Plant strength	Strong only when applied	Strong sustained strength
Plant fatigue	Variations due to availability	Constant strength available
Nitrogen	Over supply 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	Plant fatigue 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
Soil organic matter reduction	Lower yields	Constant yield
Organic Matter	Not replenished	Constantly replenished
Organic Matter long term effect	Looses fertility	Gains fertility
Colonization of plant roots with mycorrhizae	Reduced	Enhanced
Exchange Capacity of nutrients	Reduced	Enhanced

Balanced nutrient supply	Erratic	Balanced
Biological Activity	Reduced	Enhanced leading to 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 in soil	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 (If eaten 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

Details of application on actual fields by various farmers on many different farm produce are available on YOUTUBE : Type Khuba Soil Conditioner or follow the link below:-

<https://www.youtube.com/channel/UC0DdQ61hgsKzIRY3GdyPqTA>

The contact details of the end users / farmers are also given for you to better understand the benefits of using our products. Web site: [www.khuba.in](http://www.khuba.in)