Application	KHUBA SOIL CONDITIONER ORGANIC	Chemical Fertilizer	Water Retainers For Deserts
Breathable Sand	Yes	No	Yes
Water retention	Enhanced	No	Enhanced
Anti seepage / percolation	Yes	No	Yes
Air circulation	Yes	No	Yes
Optimize soil	Yes	No	Yes
Excess Water	No impact	Nullifies.	No Impact
Better plant growth	Yes	Partly	Partly
Hygroscopic nature	Yes	NA	No
Hydrophobic nature	No	NA	Yes
Water Saving	Yes	No	Partial
Atmospheric Moisture	Drawn for plants	No	No
Effect of heavy rains	Minimal changes	Nullifies	NA
Ground contamination	No effect	High	Unknown
Water contamination	No effect	Very high	Unknown
Ingestion by animals	Non Toxic	Toxic	Unknown
Activity / life span	Very long period	Short period	NA
Effect of Heat	No effect on plant	Negative to plant	NA
Nutrient Uptake by plant	Easily available anytime	Either use or discard	NA
Nutrient availability	Available throughout	Only for short period	NA
Nitrogen	Available throughout	Either use or discard	NA
Plant strength	Strong sustained strength	Strong only when applied	NA
Plant fatigue	Constant strength	Variations of availability	NA
Excess Nitrogen	Constant supply	Leads to plant softening	NA
Over supply of Nitrogen	Not vulnerable	Vulnerable to pest attack	NA
Undersupply of Nitrogen	Constant availability	Leads to lowers growth	NA
Variation of Nitrogen	Constant growth	Lower plant strength	NA
Variation of Nitrogen	Not effected	Final yield effected	NA
Soil Organic matter	Enhanced.	Reduced	NA
Organic matter reduction	Constant yield	Lower yields	NA
Organic Matter	Constantly replenished	Not replenished	NA
Organic Matter effects	Gains fertility	Loses fertility	NA
Colonization of plant roots with mycorrhizae	Enhanced	Reduced	NA
Exchange of nutrients	Enhanced	Reduced	NA
Root burn	No	Yes	NA
Leaf burn	No	Yes	NA
Balanced nutrient supply	Balanced	Erratic	NA
Biological Activity	Improved mobilization of nutrients	Reduced	NA
Phosphorus	Enhances colonization of mycorrhizae, which improves P supply to plant	Intake is erratic	NA
Soil Structure	Enhanced leading to better root growth	Not enhanced	NA
Buffering Acidity	Buffers acidity	No	NA
Buffering Alkalinity	Buffers Alkalinity	No	NA
Micro nutrients	Enhances intake	Not available	NA
Micro nutrients retention	Yes	No	NA
Micro organism	Sustains and enhances	Does not sustain	NA
Earth worm	Sustains and enhances	Does not sustain	NA
Fungi	Sustains and enhances	Does not sustain	NA
Soil borne diseases	Minimizes	Does not help	NA
Air borne diseases	Minimizes	Does not help	NA
Effect of heavy rains	Minimal changes	Nullifies	NA
Nutrient release	Consistent	Inconsistent	NA
Long term effect	Soil fertility enhanced	Soil looses fertility	NA
Plant growth	Constant	Variable	NA
Change in weather	Minimal effect	Can be disastrous	NA
Stunted growth	Minimal effect	Possible	NA
Yield of desired product	Constant	Subjected to variation	NA
Quality of yield	High	Average	NA
Life span of Produce	Extended	Average	NA