

BlackMajik HUMA-TECH is a solid granulated Humic acid concentrate. It is so concentrated that 1 kg of the granules has a humic equivalent of 30MT of highest quality organic manure.

<i>Physical Attributes</i>		<i>Chemical Attributes</i>	
Colour:	Dark brown	Composition	10% potassium 70% Humic acid (16% is fulvic acid and the rest Ulmic acid)
Form:	Granules/ crystalline	Solubility	85% in water
Particle size:	2-5mm	pH	9 (Alkaline)
		CEC	450 (High moisture and nutrient retention)
		Safety	Non-toxic, microbe-friendly
		Nature	BFA certified organic
		Carbon	50% -60%

BENEFITS TO THE SOIL

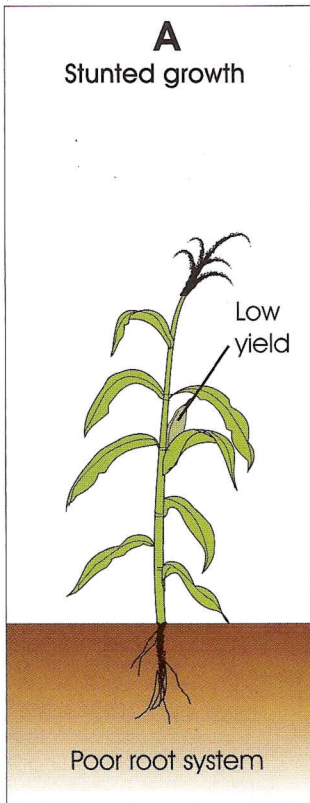
- **BlackMajik** improves water holding and retention capacity of the soil (especially the sandy type).
- **BlackMajik** improves soil biological balance (flora & fauna) by stimulating growth of beneficial fungi especially in soils low in organic matter. This leads to healthier soil and healthier crops.
- **BlackMajik** conditions the soil since it has a pH buffering capacity, effective against acidic and alkaline soils. This leads to improved crop health and quality plus reduced cost of liming and reduced workable soil. Also it improves soil stability and reduces soil erosion.
- **BlackMajik** has a humus like binding quality on soil particles which reduces the cost of land preparation due to poor soil structure.
- **BlackMajik** reduces soil toxicity by buffering against excessive elements (e.g Na), toxic chemicals & heavy metals.
This results into more profit due to reduced cost of conditioning/ liming and better crop health.

BENEFITS TO THE FERTILIZERS.

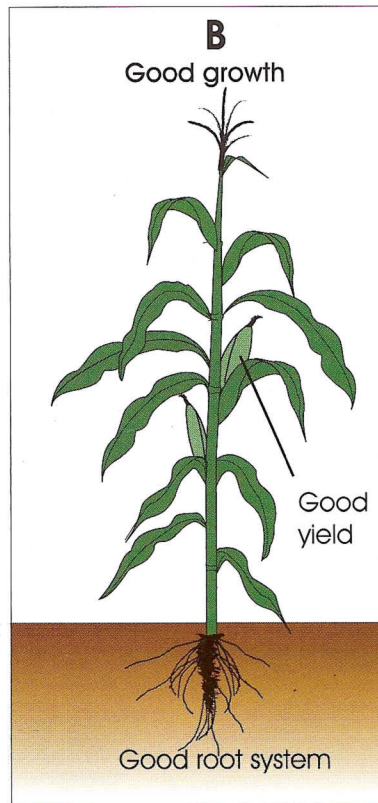
Phosphates:- **BlackMajik** reduces nutrient lock-up making phosphorus more available especially in extreme soil pH. It is particularly suitable for blending with DAP, MAP, SSP, TSP or Mavuno Planting.

Nitrogen:- This being a largely a transitory element most of it is lost by leaching and volatisation. **BlackMajik** humatech by stimulating rapid and elaborate root growth, enables the plant to 'harvest' more nitrogen before it is lost. **BlackMajik** also stabilizes Nitrogen especially Ammonia Nitrogen (from Urea) prolonging its availability by 60-90 days within the soil. This makes **BlackMajik** an ideal pre-mix partner for topdressing fertilizers.

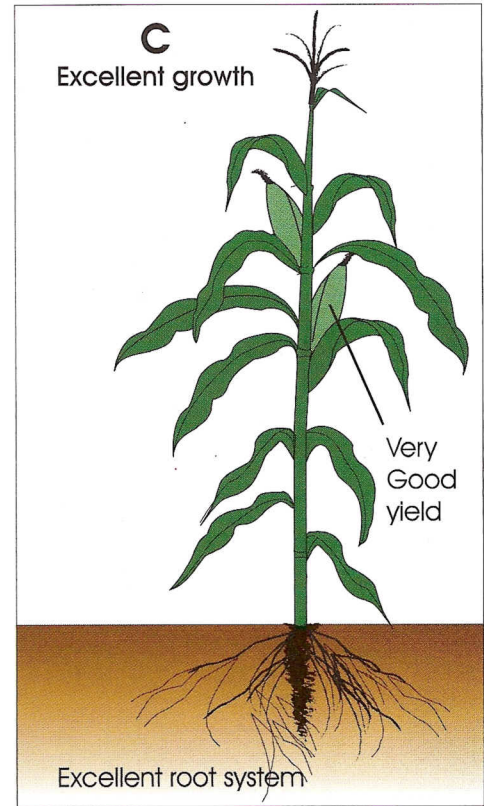
Generally:- The huge buffer capacity cancels out the negative acidifying effects of chemical fertilizers, especially the acid treated varieties like DAP, MAP and TSP.



With nothing



With Fertilizer



With Fertilizer + *Blackmajik HUMA-TECH*

BENEFITS TO THE PLANT

- **Blackmajik** enhances drought resistance by improving soil water/ moisture retention capacity.
- **Blackmajik** stimulates root growth by igniting growth hormones. These enables faster, better germination and bigger healthier crops.
- **Blackmajik** stimulates shoot growth by improving better retention and utilisation of Nitrogen, resulting in bigger crops, better yield and reduced fertilizer cost to yield ratio.
- **Blackmajik** improves crop health by detoxifying the soil, improved use of Nitrogen and Phosphorus. It is more beneficial to microbes, resulting in the improvement of quality and quantity. There is less crop pesticide use, safer and reduced cost of inputs. It results in increased profitability.
- **Blackmajik** results in faster germination due to improved cell permeability, faster nutrient intake and improved soil moisture.

Most responsive crops:-

Maize



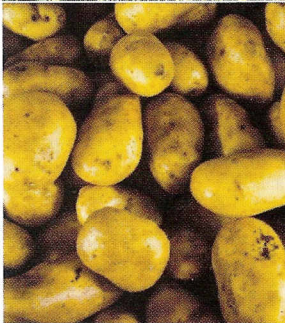
Wheat



Cabbages



Onions



Potatoes



Carrots



Sugarcane



Tomatoes

Applications

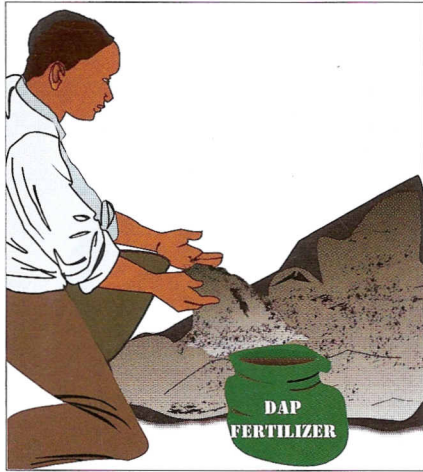
- Soil drenching - 2.5kg per acre.
- Transplanting - Soak overnight in 1/2 kg in 20 lts.
- Seed care treatment - 5kg /50lt for 3t of seedcare.
- Transplanting - Soak roots in 500g solution.

Conditions favouring use of BlackMajik.

- Highly alkaline and acid soils.
- Sandy soils low in organic carbon.
- Arid and semi arid areas.

How to use BlackMajik Huma-tech

Jinsi ya kutumia BlackMajik Huma-tech



1. Pour/ spread fertilizer on concrete or canvas

Mwaga mbolea kwenye sakafu au tandarua.



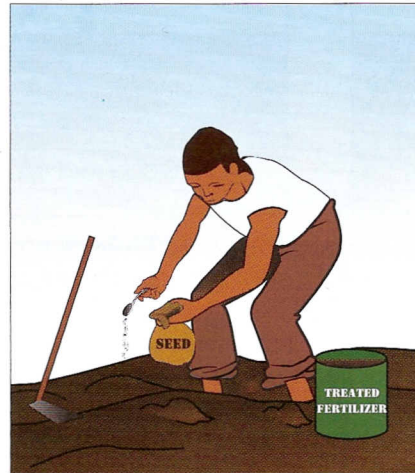
2. Sprinkle the appropriate proportion of BlackMajik on the fertilizer (e.g 2.5 kg/ 50kg).

Nyunyizia kiasi kifaacho cha BlackMajik kwenye mbolea (kwa mfano 2.5 kg/ 50kg)



3. Using a spade or hands mix the fertilizer with BlackMajik thoroughly

Kwa kutimia upao au mikono changanya mbolea na BlackMajik barabara



4. Apply as normal when planting or top-dressing.

Tumia kama kawaida vile unavyopanda au kunyunyuizia juu