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“CHANGE THAT DOESN'T COST THE EARTH”

PLANTING SOLUTIONS



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DENDRO[®]

ENRICHED ABSORBENT POLYMER



A K-based super absorbent polymer containing nutrients. DENDRO[®] acts as a soil conditioner and a water and nutrient reservoir.

WITHOUT DENDRO[®]

Water loss due to percolation and evaporation.
Inefficient use of nutrients due to leaching.



WITH DENDRO[®]

Water and nutrients remain available in the root zone.





Slow release-rate function of fertilizers and trace elements.

Bio-degrading period: 1 – 5 years, depending on environmental conditions and soil types.

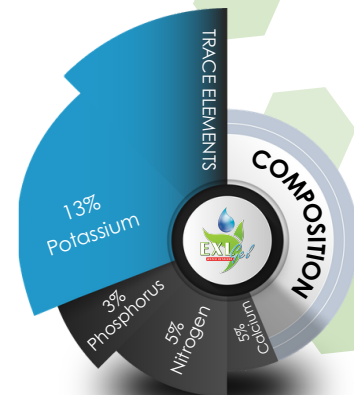
Acts as a water reservoir, reducing the leaching of fertilizer and nutrients.

Reduces irrigation frequency.



Physical Properties

Physical state	Granular crystals
Colour	White
Particle size distribution	0.2mm - 2mm
pH	7.58 - 7.7
Water retention	1g <= 125ml
Active ingredient	Potassium polyacrylate cross-linked polymer
Trace elements	Magnesium, Iron, Boron, Manganese, Copper, Zinc, Nitrogen, Calcium, Phosphorous.



APPLICATION	DOSAGE RATE	HOW TO APPLY
Granules	2g per liter of planting medium	Mix DENDRO® throughout the planting hole. Plant normal way. Irrigate directly after planting to saturate the planting medium.
Pre-wetted gel (slurry)	400-600ml slurry per tree or crop	Mix 2kg of DENDRO in 200 liters to form slurry. This mixture is sufficient to plant approximately 400 trees.



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PREPARATION AND APPLICATION OF SLURRY

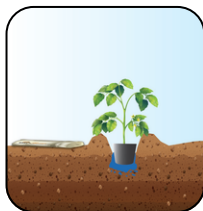
Water containing dissolved salts (like lime in borehole water) should be treated with a surfactant before mixing with the product.



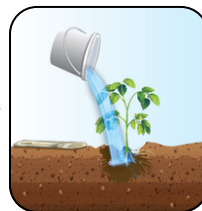
Mix DENDRO® with water (allow slurry to form).



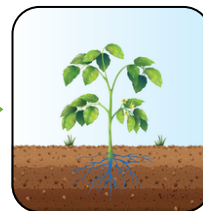
Add 1/3 of slurry to the prepared planting pit and mix with soil.



Add the plant to the prepared pit.



Add soil around the plant followed by 2/3 of the slurry and mix together



Finish by covering the surface with last soil and water thoroughly.

PREPARATION AND APPLICATION OF GRANULES

Soil should be dry to prevent product from forming clods when mixing with the substrate.



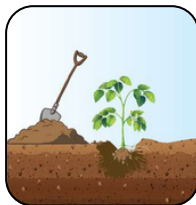
Mix DENDRO® with water (allow slurry to form).



Prepare the planting pit.



Add 1/3 of the prepared granule mixture to the pit. Add the plant to the pit.



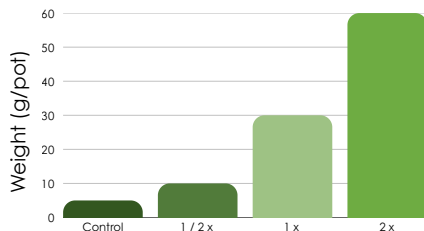
Add the remaining granule mixture around the plant.



Finish by covering the surface with the last soil and water thoroughly.

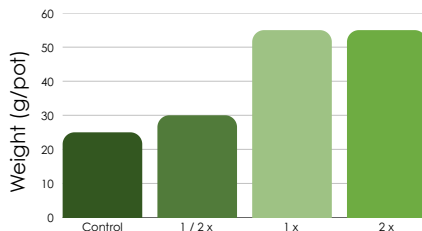
INFLUENCE OF DENDRO® TREATMENT - WET

ROOT BIOMASS - BEANS



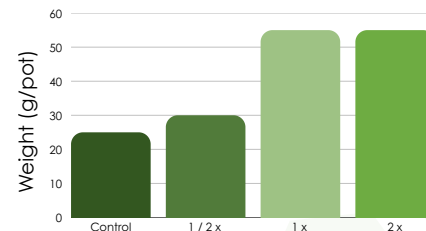
On the final yield harvested for Root biomass -Beans.

PLANT BIOMASS - BEANS



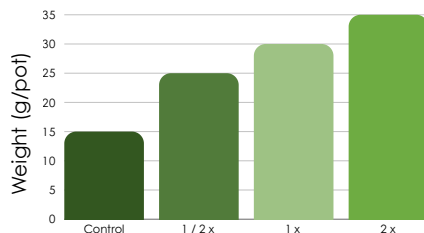
On the final yield harvested for Plant biomass - Beans.

YIELD - BEANS



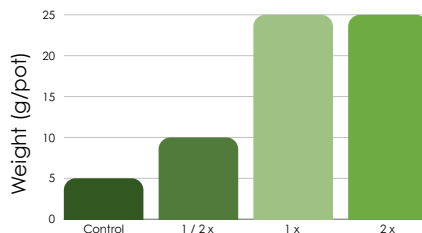
On the final yield harvested for Yield - Beans.

PLANT BIOMASS - MAIZE



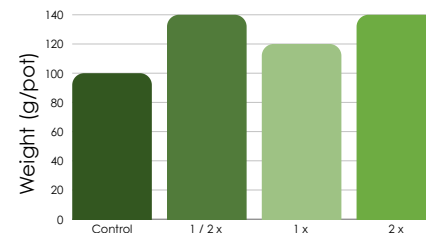
On the final yield harvested for Plant biomass - Maize.

ROOT BIOMASS - MAIZE



On the final yield harvested for Root biomass - Maize.

YIELD - MAIZE



On the final yield harvested for Yield - Beans.



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ENVIRONMENTAL SOLUTIONS IN



FIRE



DUST



PLANTING

I-CAT IS A



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