



## COPPER MICRONUTRIENT - ONIONS

TITLE – Onion responses to various copper micronutrient materials

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TRIAL OBJECTIVE – To examine the uptake of micronutrients to different micronutrient sources

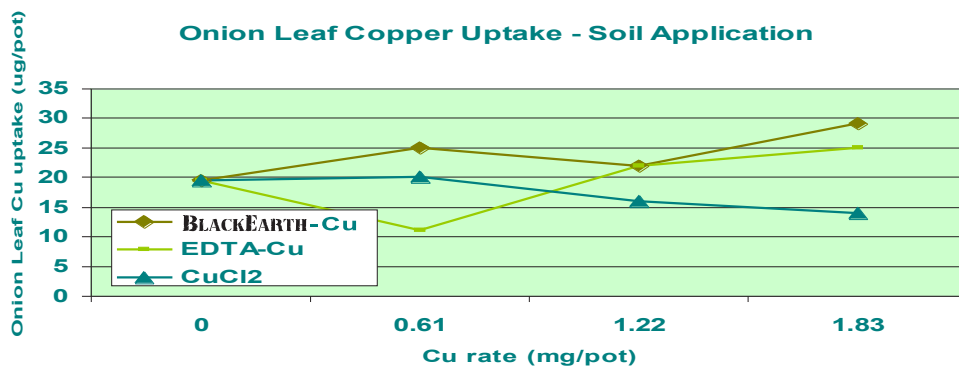
EXPERIMENTAL DESIGN –

Crop	Onion
Experimental Design	Randomized complete block design with 5 replicates
Growing condition	Mixture of vermiculite and silica sand (1:1 v/v), NPK added at 110, 190 and 185 kg/ha respectively. Plants watered with Hoagland solution (without Cu)
Micronutrient condition	Applied at 26 days after sowing
Harvest	71 days after sowing

TREATMENTS –

	PRODUCT	Rate (mg/pot)
1	<b>BLACK EARTH</b> Chelated Copper	0, 0.61, 1.22, 1.83
2	EDTA Chelated Copper	0, 0.61, 1.22, 1.83
3	Copper chloride	0, 0.61, 1.22, 1.83

RESULTS AND DISCUSSIONS –



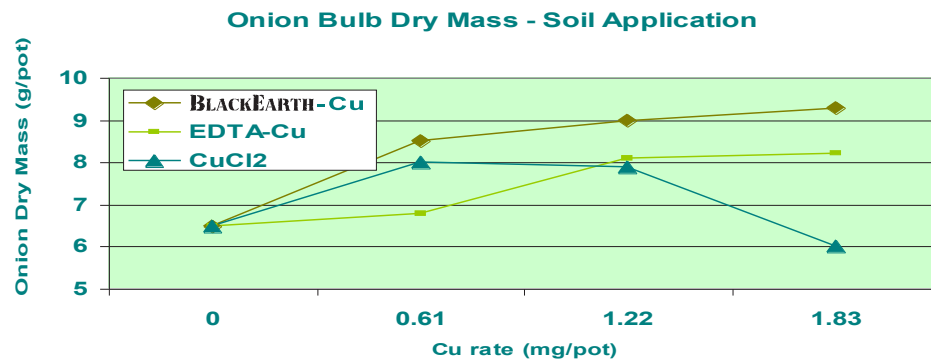
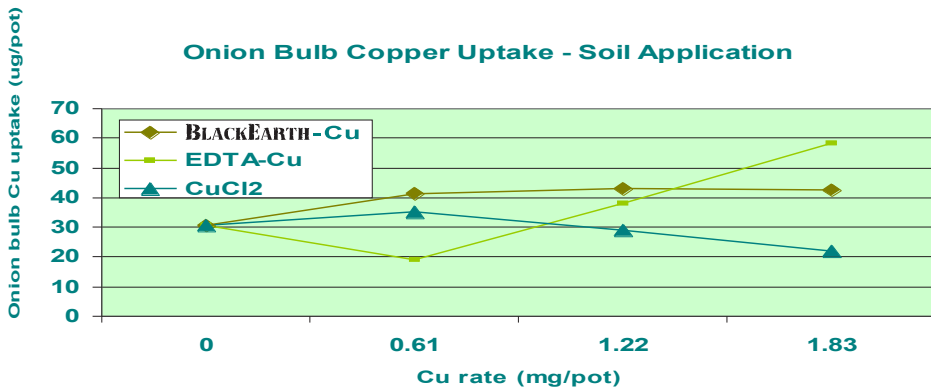
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RESULTS AND DISCUSSIONS –



Onion copper uptakes and bulb dry mass were higher with **BLACK EARTH** Chelated Copper than EDTA-Cu and CuCl<sub>2</sub> respectively.

