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FERTILISER RECOMMENDATION

SAMPLE:	SOUTH BLOCK	CLIENT:	A. FARMER	Lab No	E0056
BASE FERTILISER . . .		APPLY KG/HA		KG/TONNE (1/t.mix)	(% of ele) (in base)
COPPER SULPHATE (24%)		15		18	0.44% Cu
ZINC SULPHATE (36%)		20		25	0.88% Zn
MANGANESE SULPHATE (28%)		30		37	1.03% Mn
M.A.P. (NPK 10-22-0)		150		184	
ORGANIC BASE (Humates/Manure)		600		736	
Total kg per Hectare		815		1000	

One tonne will treat approx. 1.23 Hectares

Total tonne/s required = total hectares divided by 1.23

To fit your budget the total tonnes ordered can be altered and applied at a reduced rate without affecting the balance of elements.

GYPSUM APPLICATION - - Apply per hectare	3.0 Tonne/s
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There are wide variations in the quality of calcium sources (Lime, Dolomite & Gypsum) which will affect their reaction in your soil. Seek local advice and ask for quality tests (% of calcium & ENV) from suppliers, and adjust rates and materials used accordingly.

COMMENTS:

This is a relatively heavy soil with very low organic matter. Magnesium is also high and will be tightening the soil up so gypsum is recommended. Phosphorus and potassium are good, but trace elements need attention.

This sample also has high exchangeable sodium (ESP) and elevated boron so deep ripping is recommended to open the soil up and enable leaching.

RECOMMENDATIONS

Gypsum - apply 3t/ha of Gypsum as soon as possible and water in. Leave for 2 weeks and then water to leach any released salts from the root zone. If this is not possible, apply gypsum before the winter next year.

Ripping - deep rip thoroughly to open the soil up and allow effective leaching of salts.

Organic Matter and Pre-Plant Nitrogen - 2 to 3 weeks before planting spread Compost or Humates and incorporate it with 150 kg/ha of Urea and 10 L/ha of Molasses

Soil microbial activity will utilise the nitrogen to break down the organic matter and the nutrients will be available when the crop is planted.

Fertiliser: Apply the recommendations 7 to 10 days prior to planting and shallow work.

Trace Elements : can be applied through the overhead sprinklers onto the soil surface 1 week before planting and lightly incorporated.

Seasonal Nitrogen: Apply as needed.

Tissue Test - sample early in the new crop to formulate a foliar fertiliser program.

Foliar Sprays - apply a good general foliar every 10 to 14 days and add elements according to the leaf test.