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CONSULTANT:
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FERTILISER RECOMMENDATION

SAMPLE: BACK Paddock	CLIENT: ABC FARMS	Lab No	C0108
BASE FERTILISER . . .	APPLY KG/HA	KG/TONNE (1/t.mix)	(% of element in base)
COPPER SULPHATE (24%)	3	45	1.09% Cu
ZINC SULPHATE (36%)	3	45	1.45% Zn
D.A.P. (NPK 18-20-0)	60	909	
Total kg per ha	66	1000	

One tonne will treat approx. 15.15 Hectares
 Total tonnes required = total hectares divided by 15.15

DOLOMITE -Total deficiency per hectare (For application rate see below)	3.9 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:

Calcium and magnesium are both low while potassium is high - broadcast dolomite. Organic matter needs to be built to support soil microbial activity. Phosphorus levels are good so P fertiliser can be reduced.

PROGRAM

Seed dressing: Research has shown the benefits of using a good seed dressing product. This will give an initial supply of essential trace elements and assist in early crop establishment.

Dolomite Apply 2.5t now, the balance next season. Lime depresses soil magnesium - dolomite will build calcium and build or maintain magnesium

Pre Plant Nitrogen: Apply per ha and work in at least 14 days before planting, 75 kg of Ammonium Sulphate
 The soil must be moist. This application will stimulate the decomposition of plant material and increase the organic nitrogen levels in the soil. Crops establish quicker increasing yield potential.

Fertiliser: Apply at seeding.

Seasonal Nitrogen: Apply as required.

Foliar applications: Apply the following per ha as directed

Potassium is in excess and will suppress plant magnesium, adversely effecting plant strength and yield. This is even when magnesium is not only deficient but can also apply when magnesium is slightly high. Foliar applications of magnesium are recommended

- Magnesium Sulphate @ 3kg
- Copper Sulphate @ 0.3kg
- Zinc Sulphate @ 0.75kg

Apply both early and late in the growth period, the second just as flowering starts.

Leaf analysis(*): Take a sample when the crop is established. From this special foliar applications will be formulated.

** leaf test kits available from APAL - refer phone / email above to receive one.*