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HERBERT

Legume species [ ] Crop dry mass (t/ha) [ ]

Mill by-product [ ] Rate (t/ha) [ ]

Ameliorants

Lime Cation exchange capacity (CEC) [ ] (Report) → [ ] tonnes/ha (Table 1) Lime

Calcium (meq/100g) [ ] (Report) → [ ] tonnes/ha (Table 2) Lime

Ca contributions from mill by-products [ ] t/ha (Table 6)

Magnesium (Mg) Amm-acet (meq/100g) [ ] (Report) → [ ] kg/ha (Table 3) Mg

Mg contributions from mill by-products [ ] kg/ha (Table 6)

Gypsum ESP (%) [ ] (Report) → [ ] tonnes/ha (Table 4) Gypsum

Silicate Si (BSES) [ ] (Report) Si (CaCl) [ ] (Report) → [ ] tonnes/ha (Table 5) Mud/ash

Nitrogen (N)

Organic C (%) [ ] (Report) N mineralisation index [ ] (Table 7)

→ Plant [ ] kg/ha (Table 7) → Replant and ratoons [ ] kg/ha (Table 7)

Contributions from legume crop

Year 1 [ ] kg/ha (Table 8)

N contributions from mill by-products

Year 1 [ ] kg/ha (Table 9) *Year 2* [ ] kg/ha (Table 9) *Year 3* [ ] kg/ha (Table 9)

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Phosphorus (P)

PBI [ ] (Report)

BSES P (mg/kg) [ ] (Report) → Plant [ ] kg/ha (Table 10)

→ Ratoon [ ] kg/ha (Table 10)

P contributions from mill by-products

[ ] (Table 11)

Potassium (K)

Nitric K (meq/100g) [ ] (Report)

K (meq/100g) Amm-acet (meq/100g) [ ] (Report) → Plant [ ] kg/ha (Table 12)

Soil texture [ ] (Report)

→ Replant and ratoon [ ] kg/ha (Table 12)

K contributions from mill by-products

Year 1 [ ] kg/ha (Table 13)

Year 2 [ ] kg/ha (Table 13)

Year 3 [ ] kg/ha (Table 13)

Sulfur (S)

Sulfate S (mg/kg) [ ] (Report)

N mineralisation index [ ] (same as for N) → Plant, replant and ratoon crops [ ] kg/ha (Table 14)

S contributions from mill by-products

Year 1 [ ] kg/ha (Table 15)

Year 2 [ ] kg/ha (Table 15)

Year 3 [ ] kg/ha (Table 15)

Copper (Cu)

Cu (DTPA) mg/kg [ ] (Report)

→ Plant [ ] kg/ha (Table 16)

Zinc (Zn)

pH (water) [ ] (Report)

If pH <6.5 use Zn (BSES-HCl) mg/kg [ ] (Report) → Plant [ ] kg/ha (Table 17)

OR

If pH >6.5 use Zn (DTPA) mg/kg [ ] (Report) → [ ] kg/ha (Table 17)

*** Remember, deductions can be made for legumes (N) and mill by-products (N, P, K, S, Ca, Mg, Si).**