

TABLELAND

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)

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) (Report) → Plant kg/ha (Table 12)
 Amm-acet (meq/100g) (Report)
 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) → Plant kg/ha (Table 17)

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