

WET TROPICS

Legume species Crop dry mass (t/ha)
 Mill by-product Rate (t/ha)

Ameliorants

Lime Calcium (meq/100g) (Report) → tonnes/ha
 (Table 1) Lime
 Ca contributions from mill by-products t/ha
 (Table 4)

Magnesium (Mg) Amm-acet (meq/100g) (Report) → kg/ha
 (Table 2) Mg
 Mg contributions from mill by-products
 (Table 4)

Silicate Si (BSES/sulphuric acid) (Report) Si (CaCl) (Report) → tonnes/ha
 (Table 3) Mill mud/ash

Nitrogen (N)

Organic C (%) (Report) N mineralisation index (Table 5)
 → Plant crop kg/ha (Table 5) → Replant and ratoon kg/ha (Table 5)

Contributions from legume crop

Year 1 kg/ha
 (Table 6)

N contributions from mill by-products

Year 1 kg/ha (Table 7) Year 2 kg/ha (Table 7) Year 3 kg/ha (Table 7)

Phosphorus (P)

PBI (Report) BSES P (mg/kg) (Report) → Plant crop kg/ha (Table 8)
 → Replant and ratoon kg/ha (Table 8)

P contributions from mill by-products

(Table 9)



Potassium (K)

Nitric K (meq/100g) (Report) K (meq/100g) (Report) → kg/ha (Table 10)
 Amm-acet (meq/100g) (Report)

Soil texture (Report) → kg/ha (Table 10)
 Replant and ratoon

K contributions from mill by-products

Year 1 kg/ha (Table 11) Year 2 kg/ha (Table 11) Year 3 kg/ha (Table 11)

Sulfur (S)

Sulfate S (mg/kg) (Report) N mineralisation index → kg/ha (Table 12)
 Plant, replant and ratoon crops

S contributions from mill by-products

Year 1 kg/ha (Table 13) Year 2 kg/ha (Table 13) Year 3 kg/ha (Table 13)

Copper (Cu)

Cu (DTPA) mg/kg (Report) → kg/ha (Table 14)
 Plant

Zinc (Zn)

pH (water) (Report) If pH <6.5 use Zn (BSES-HCl) mg/kg (Report) → kg/ha (Table 15)
 OR

If pH >6.5 use Zn (DTPA) mg/kg (Report) → kg/ha (Table 15)

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