

COFFEE FERTILIZER AND CHEMICAL PROGRAMME LACHLAN (K) LTD

ESTABLISHING A COFFEE PLANTATION

Pre-plant

- 1.Mamba = 1.2 Lts per acre
- 2.Lower 7 = 1 ml per 1 Lt spray water

Mamba is an excellent glyphosate that will provide a total kill on grasses and broad leaf weeds pre-plant and should be done at least 1 month before planting. Lachlan advocates Lower 7 to be used with Mamba to lower spray water pH down to 5, as this Ph is where glyphosate works best. Lower 7 also stops bicarbonates found in water that reduces glyphosate acid uptake by the plant. Lower 7 also speeds up the uptake by the plant of glyphosate especially when rain is around

Nursery

- 1.Vitazyme = Drenching at 200ml/20 Lts water Knapsack

At Transplanting

- 1.Vitazyme = Root dip in a solution of 1 Lt/100Lts water
- 2.DAP = 50kgs per 500 seedlings
- 3.Black Majik = 2.5kg mixed with 50kgs DAP fertilizer

The best response to phosphate is obtained on young coffee trees. A small amount of readily available phosphate provided by DAP in combination with Black Majik to hold the nutrients and release it slowly during crop development, applied in the hole, is strongly recommended.

-

One Month after planting

- 1.Vitazyme = 1Lt/ha
- 2.Turbo Top = 5kg/ha
- 3.Twin N = 1 Vial/ha
- 4.Aton A-Z = 2 Lts/ha
- 5.Dursban = 1.5Lts/ha (To be applied 7-14 days after/before Twin N, Turbo top, Vitazyme, Aton A-Z cocktail application)

Vitazyme contains N, P, K, higher N compared to the other two nutrients, growth hormones, carbohydrates and will provide starter N. Turbo Top contains P, K, Cu, Zn, Mn and tops up all fertilizer needs for crop at right stage. As P is a phosphine will also prevent rust spores. The P and K will promote leaf development and twig growth. Twin N contains 4 nitrogen-fixing bacteria and is applied early in the morning before 9 o'clock or late in the evening. Will provide ALL YOUR N requirements and is cheaper than Urea at 60kgs per acre. Better results in all cases seen in Kenya over 3 years. No leaching like Urea. Aton A-Z enables the stomata to open and facilitates movement of the applied nutrients as a foliar spray to areas they are most required within the plant for optimal plant growth/production.

Before flowering

- 1.Vitazyme = 1 Lt/ha
- 2.Turbo Top = 5kg/ha
- 3.Twin N = 1 Vial/ha
- 4.Aton A-Z = 2 Lts/ha
- 5.Final K = 5 Lt/ha
- 6.Dursban = 1.5 Lts/ha
- 7.Copper oxychloride = 2 kgs/ha

NB: Dursban and Copper oxychloride to applied together 7-14 after/before a cocktail application of Vitazyme, Turbo Top, Twin N, Aton A-Z and Final K.Dursban to control pests and Copper oxychloride CBD.

Final K contains 46% K₂O and 5% N.Potassium requirements are high particularly during development of coffee berries. The maximum requirements are at the maturing and ripening stage. Final K will provide this entire requirement.

N, P and K requirements for coffee increase with increase in crop age. As Twin N and Vitazyme will supply sufficient N, soil tests done during crop growth will determine the amount of Rock phosphate (source of calcium and phosphorus plus buffering) and K required to be applied through addition of Lachlan products.

At flowering, before ripening and at Ripening

1.Dursban = 1.5 Lts/ha

NB: Dursban applied at various stages of crop growth controls: Antestia, leaf minors, Thrips, Berry borers, yellow head dusty brown beetle and scales.

FERTILIZATION OF AN EXISTING PLANTATION

1 month after harvesting

- 1.Twin N = 1 vial/ha
- 2.Vitazyme = 1Lt/ha
- 3.Turbo Top = 5kg/ha
- 4.Aton A-Z = 2 Lt/ha

Before Flowering

- 1.Twin N = 1 vial/ha
- 2.Vitazyme = 1 Lt/ha
- 3.Turbo Top = 5 kg/ha
- 4.Final K = 5 Lt/ha
- 5.Aton A-Z = 2 Lts/ha

**We at Lachlan have a TOTAL PACKAGE to meet all your demands to ensure you
Get the VERY BEST from your Crops.**

Lachlan@griculture.co.ke

Lachlan Kenya Limited P.O.Box 49470 Nairobi - 00100, Kenya

Tel: +254 (0)20 2073912/3/4 Fax: +254 (0)20 2060260

GSM: +254 (0)722 209474

website: www.griculture.co.ke