

COFFEE

Coffee Arabica

Edible Portion: Bean

GROWING/ MAINTENANCE

Preferred Soil Type: Well drained, high country. Calcium and Zinc added as soil amendment and/or foliar spray increase coffee seedling growth

Growth Periods: Rapid vegetative growth stage (September to December)

Harvest Time: March to May

Other Sowing and Planting Information:

Leaf Target Nutrients:

Nitrogen	N	2.6 to 3.0%
Phosphorus	P	0.14 to 0.17%
Potassium	K	1.9 to 2.5%
Calcium	Ca	1.2 to 1.5%
Iron	Fe	43 to 60 ppm
Boron	B	31 to 50 ppm
Zinc	Zn	> 15 ppm
Manganese	Mn	< 200 ppm
Aluminum	Al	< 120 ppm

Soil Nutrient Targets:

pH	6.0 to 6.5
Calcium	> 1200 ppm
Phosphorus	> 20 ppm
Zinc	> 5 ppm

FERTILISER

General: Apply fertiliser 6 inches from trunk to tip of laterals

Optimum Soil Test Levels: N = 10, P = 5, K = 20

Base Dressing (kg/ha): Main crops – N = 10, P = 5, K = 20. Start at 900 kg/yr/ha split between February, April, June and November; plus 45.5 kg Safe Coated Urea in August.

Fertigation: Use soluble fertiliser. Start 11 kg N, 4.5 kg P, 18 kg K /month/ha February to May.

Side Dressing (kg/ha): 200 kg Alroc Supablend NPK in October and December.

Trace Elements: Vital Trace at 2 lt/ha in November and January.

Optimum pH Range: 6.0 to 6.5

Safe Fertilisers

66 Chum St Dinmore 4303

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PESTS AND DISEASES

Important Pests and Their Control:

Weeds – Control is essential the first year

- Control by cutting, plastic mulches herbicides – RoundUp, Goal, Fusilade, Gramoxone (restricted to licensed applicator)

Insects – Green Scale and the ants that nurse them – First 2ys are most serious; Amdro used in bait stations, ant trapping

- Halo fungus
- Mealybug destroyer
- Black Twig Borer – less serious; Burn, shred or compost the laterals
- Banana Moth – Remove or shred prunings and thinning; spray new verticals and stump with Bt (Dipel) if necessary
- Nematodes – Coffee Root knot Nematode; fallow land for one year, cover crop with non-nematode host, keep planting rows weed free, plant grafted seedlings

Diseases – Berry blotch and Cercospora leaf spot



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Safe Fertilisers – Crop Info



Coffee Program

Biology Kick start; Apply 20 lt /ha Vital Activator

Ground preparation:

Apply 1 tonne/ha Lime **or** Safe Organic Liquid Lime @ 40lt/ha in 300lt/water

Apply 400kg/ha Alroc DAP Supablend

Apply 100Kg Safe Coated Urea

Liquid spray 3 lt Vital Trace in 300 lt water under trees

Side Dressing

Safe Organic Liquid Lime @ 20lt/ha in 300lt/water or through your water system

Apply 100 Kg/Ha Alroc 15.3.8 Supablend

Foliar Apply; Vital Mix monthly during growth stages @ 6lt/ha in 300lt water

5lt Vital K Blast monthly from fruit set

Sidedressing / Maintenance after picking

Apply 400 Kg/Ha Alroc 15.3.8 Supablend This can be applied split in two applications,

Use 100kg/ha Safe Coated Urea Spread on with spinner spreader, again two applications

Use one application of safe Organic Liquid Lime @ 12lt/ha to assist the balancing of conductivity and low calcium

Liquid Feed, Growth Stage

Vital Trace @ 3lt/ha monthly

Vital Phos @ 6lt/ha Monthly feeding during growth and fruit set. Put this through your system 2 weeks after Vital Trace.

Vital Activator @ 10lt/ha one application

Vital Kelp @ 6 lt/ha one application

Liquid feed, Fruiting Stage

Vital K Blast @ 10lt/ha Monthly

Vital Calcium 5lt, one application

Vital Activator @ 8 lt/ha one application

Vital Kelp @ 6 lt/ha one application

Monitor potash, may need Sulphate of potash topup

Top up Fertiliser requirements:

Use 40kg/ha Safe Coated Urea side dress dissolved with 6lt / ha Vital Activator sprayed under Coffee Plants

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Disclaimer

The above program will be affected by soil variation, testing errors, seasonal factors and management skills. Any recommendation should be acted upon as part of an ongoing fertiliser program. No responsibility can be accepted for any of the above matters or other matters that are beyond our control.

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