A SUCCESSFUL OKRA GUIDE

LAND PREPARATION

Limestone should also be incorporated into the top 4 in. or spread over the whole cultivation at a rate of 2500 lbs. per acre on clay or Pegasse soils or 500 lbs. per acre on sandy soils. This is necessary because virtually all soils in Guyana are deficient in calcium and the clay and Pegasse soils are very acidic. This prevents the plant from absorbing nutrients and encourages fungal and bacterial diseases. For small areas apply 1 oz, per sq. ft. on clay or Pegasse soils, and apply ½ oz, per sq. ft. on sandy soils. Organic matter should also be incorporated, within reason, the more the better.



PLANTING AND SPACING

Spacing should be 1–2 ft within the row and 4–5 ft between rows. This allows for easy access for harvesting and husbandry operations.





IRRIGATION

For any commercial-size plot, sprinkler irrigation from Caribbean Chemicals will dramatically reduce costs.











FERTILIZING

Since virtually all soils in Guyana are deficient in calcium, and limestone takes a month or more to act depending on the weather, it is important to apply Agnical at a rate of 1 oz (30 ml) per gallon. Apply 100 ml of the mixture to each plant. For large areas, apply at a rate of 5 gallons per acre. The first fertilizer dose should be applied at 1 week using Elixir 7-21-21 at 10 (50 (b) bags per acre. Fersan 15-15-15 or 12-12-17-2 at a rate of 5 f(100 lb) bags pacre may also be used. However, the nutrientd in these fertilizers, especially phosphorus, take much longer to dissolve in soll we in soil watly phosphorus, take rorch longer small areas, 20 g per plant may be applied.This application can be repeated every 2–3 months. Sulphate of ammonia should be applied between these doses if the farmer observes that the plants neecto be grenner. The rate of SOA applied should be based on the farmer's judgement of the plant's appearance.



WEED CONTROL

Fusil or Select can control grass weeds but not broadleaf weeds or sedges. Carista or Lifeline is non-selective and will kill the crop if it is sprayed over it. It works by eliminating chlorophyll in the plant, so if enough of the plant is covered by the spray, it will not be able to produce food and will die. However, it only affects the crop dfects the crop where the spray touches and only damages the chlorophyll at des not cause injury like Paraquat or affect the roots like Glyphosate. If applied with caution, it is an excellent option to reduce cost.



SPRAY APPLICATION

With today's technology, you can apply an insecticide, a fungicide, a foliar fertilizer to feed the plant more effectively, an d bicstimulant to improve root dleveluppmnt, flowering, growth patterns, and resitance to various types of stress. Apply. Cuprofix or Coback with caution as it may cause phytotoxicity under certain conditions.





Caribbean chemicals
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PLANT

Drench **Agrical** 30 ml/gal (liberate calcium and reduce soil acidity) + **Ryzo 500** 15 g/gal (protect from root fungus) + **Frip** 5 ml/gal (protect from cutworms and sucking insects) + **Vyd-8** 10 ml/gal (protect from nematodes, mainly on sandy soils) + **Breakthru** 1 ml/gal (for the drench to penetrate the soil effectively).

WEEK 1

Drench **Bountiful Harvest** 30 ml/gal (encourage root growth) + **Shield** 15 ml/gal (protect from root fungus) + **Bio 20** 15 ml/gal (promote root depth and development) + **Breakthru** 1 ml/gal (for the drench to penetrate the soil effectively). Spray **Advance** 10 ml/gal (kill insect eggs and immature stages) + **Carbendazim** 5 ml/gal (disease protection) + **Phortify** 10 ml/gal (promote root growth, (can substitute **Nutrient Express** 5 g/gal) + **Breakthru** 1 ml/gal (helps the spray to spread over and enter the leaf).

WEEK 2

Drench **Agrical** 30 ml/gal (liberate calcium and reduce soil acidity) + **Ryzo** 15 g/gal (protect from root fungus) + **Bountiful Harvest** 30 ml/gal (encourage root growth) + **Breakthru** 1 ml/gal (for the drench to penetrate the soil effectively). Spray **Advance** 10 ml/gal (kill insect eggs and immature stages) + **Frip** 5 ml/gal (systemic insecticide against most insect pests) + **Bellis** 15 g/gal (disease protection and stimulate production) + **Phortify** 10 ml/gal (promote root growth, can substitute **Nutrient Express** 5 g/gal) + **Breakthru** 1 ml/gal (helps the spray to spread over and enter the leaf)

WEEK 3

Drench **Evergreen** 15 ml/gal (biostimulant) + **Saeta** 15 g/gal (calcium and protect against phytophtora) + **Carbendazim** 5 ml/gal (disease protection) + **Breakthru** 1 ml/gal (for the drench to penetrate the soil effectively). Spray **Caprid** 5 ml/gal (kill sucking, biting insects, eggs) + **Coback or Cuprofix** 15 g/gal (protect from fungus and bacteria affecting shoot) + **Agasi** 30 ml/gal (root growth, flowering, stress resistance) + **Phortify** 10 ml/gal (promote root growth, can substitute **Nutrient Express** 5 g/gal) + **Breakthru** 1 ml/gal (helps the spray to spread over and enter the leaf).

WEEK 4

Spray **Advance** 10 ml/gal (kill insect eggs and immature stages) + **Frip** 5 ml/gal (systemic insecticide against most insect pests) + **Bellis** 15 g/gal (disease protection and stimulate production) + **Quad 14** 10 ml/gal (provide NPK and Ca, stimulate immunity to disease) + **Breakthru** 1 ml/gal (helps the spray to spread over and enter the leaf

WEEK 5

Spray **Caprid** 5 ml/gal (kill sucking, biting insects, eggs) + **Acrobat** 10 g/gal (disease protection especially phytophhora) + **Coback or Cuprofix** 15 g/gal (protect from fungus and bacteria affecting shoot) + **Quad 14** 10 ml/gal (provide NPK and Ca, stimulate immunity to disease) + **Breakthru** 1 ml/gal (helps the spray to spread over and enter the leaf)

WEEK 6

Spray **Advance** 10 ml/gal (kill insect eggs and immature stages) + **Secure** 5 ml/gal (control Diamondback Moth and other pests) + **Bellis** 15 g/gal (disease protection and stimulate production) + **Cytokin** 5 ml/gal (flower initiation) + **Breakthru** 1 ml/gal (helps the spray to spread over and enter the leaf).













After week 6 continue to alternate weeks 5 and 6 until the end of the crop