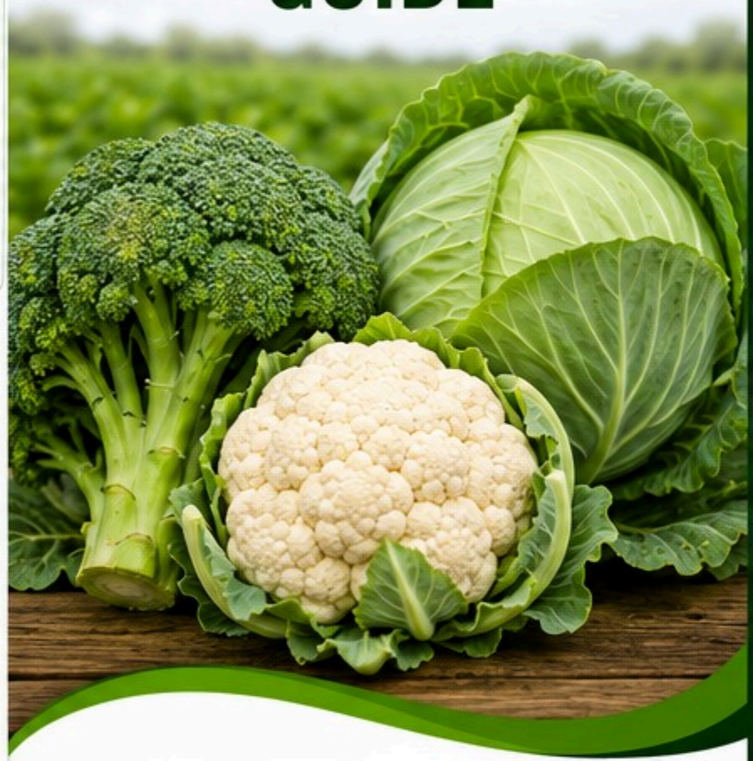
A SUCCESSFUL CABBAGE BROCCOLI & CAULIFLOWER GUIDE



LAND PREPARATION

The land should be prepared in well-tilled beds 2 to 4 feet wide, with a 1 ft. drain between beds. This allows easy access for necessary operations. Limestone should be incorporated into the top 4 in. at a rate of 1 oz. per sq. ft. on clay or Pegasse soils, or ¼ oz. per sq. ft. on sandy soils. This translates to 25–30 bags per acre for clay soils and 5 bags per acre for sandy soils.



IRRIGATION

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



FERTILIZING

First dose should be applied at 1 week using 15-15-15 fertilizer at 20 g per plant. The second dose is applied at 4 weeks using 15-15-15 at 30 g per plant. If the plants need additional "greening up," some Sulphate of Ammonia can be applied, which also provides beneficial sulfur for the cabbage.



WEED CONTROL

Lazio or Moccassin can be applied before planting or within a day or two after planting to prevent weed seeds from germinating. The recommended rate is 1 ml of product per 20 to 30 square feet. For example, if the bed is 3 feet wide and 10 feet long (30 square feet), add 1 ml of the product to a watering can or spray can and apply the mixture evenly over the bed.

Fusil or **Select** can control grass weeds, but they will not affect broadleaf weeds or sedges. **Carista** or **Lifeline** is non-selective and can kill the crop if sprayed directly on it. It works by destroying chlorophyll in the plant, so any area of the crop covered by the spray will lose its ability to produce food and die. However, it only affects the chlorophyll on the spot it touches and does not harm the structural integrity of the plant. Unlike **Paraquat**, it does not damage leaves and stems, and unlike **Glyphosate**, it does not affect the roots. When applied carefully, it is an excellent cost-effective option for weed control.





PEST AND DISEASE CONTROL

The major pest of cabbage is the Diamondback Moth, which develops resistance rapidly, making effective management essential. One way to reduce the pest population is by deploying traps with a lure that captures males, causing many females to lay infertile eggs. This strategy should be implemented **2 to 4** weeks before planting. By the time visible damage occurs, millions of eggs have already been laid, making control difficult because new larvae continue to hatch. Even if an ovicide is applied at this stage, the eggs are often hidden under new plant growth. Therefore, an ovicide such as **Advance 10** should be used early, before the pest becomes noticeable. The main diseases affecting cabbage are black rot, bottom rot, and bacterial soft rot. **Cuprofix** is the most effective control, though **Coback** is also effective but can damage the plant if applied at high doses.



SPRAY APPLICATION

The recommended program is designed to maximize profit and reduce costs. You will notice that many products are applied early in the crop's life because this is when the plants are most vulnerable damage at this stage can affect the productivity of the entire crop. In addition, the plants are small, so the quantity of product needed is also minimal. It is far better to invest a small amount early in the crop than to address problems later, which is more expensive and often results in greatly reduced yields. With today's technology, you can apply insecticides, fungicides, foliar fertilizers, and biostimulants to improve root development, flowering, growth patterns, and resistance to various stresses. **Coback** and **Cuprofix** must be used with caution, as they can cause phytotoxicity under certain conditions



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PLANT

Drench **Bio 20** 10 ml/gal (Stimulate root development) + **Ryzo 500** 15 g/gal (protect from root fungus like bottom rot) + **Frip** 15 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). Spray **Fastak or Karatax** 5 ml/gal (blanket spray for cutting insects).

WEEK 1

Drench **Shield** 15 ml/gal (Broad spectrum fungicide) + **Agrical** 30 ml/gal (liberate calcium and reduce soil acidity) + **Breakthru** 1 ml/gal (for the drench to penetrate the soil effectively). Spray **Advance** 10 ml/gal (kill insect eggs and immature stages) + **Coback or Cuprofix** 10 g/gal (protect from fungus and bacteria affecting shoot) + **Bio 20** 10 ml/gal (Provide nutrients, proliferate root growth) + **Breakthru** 1 ml/gal (helps the spray to spread over and enter the leaf).

WEEK 2

Drench **Bountiful Harvest** 30 ml/gal (encourage root growth) + **Ryzo or Shield** 15 g/gal (protect from root fungus) + **Bio 20** 10 ml/gal (Provide nutrients, proliferate 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) + **Coback or Cuprofix** 15 g/gal (protect from fungus and bacteria affecting shoot) + **Phortify** 10 ml/gal (promote root growth) + **Breakthru** 1 ml/gal (helps the spray to spread over and enter the leaf).

WEEK 3

Drench **Agrical** 30 ml/gal (liberate calcium and reduce soil acidity) + **Breakthru** 1 ml/gal (for the drench to penetrate the soil effectively). Spray **Advance** 10 ml/gal (kill insect eggs and immature stages) + **Secure** 5 ml/gal (control Diamondback Moth and other pests) + **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 4

Drench **Bountiful Harvest** 30 ml/gal (encourage root growth) + **Ryzo-500** 15 g/gal (protect from root fungus) + **BB/All Purpose** 10 g/gal (dilute fertilizer) + **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) + **Coback or Cuprofix** 15 g/gal (protect from fungus and bacteria affecting shoot) + **Bio 20** 10 ml/gal (provide nutrients, proliferate root growth) + **Breakthru** 1 ml/gal (helps the spray to spread over and enter the leaf).

WEEK 5

Spray **Striker** 5 g/gal (control Diamondback Moth and other pests) + **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) + **Coback or Cuprofix** 15 g/gal (protect from fungus and bacterial disease) + **Bio 20** 10 ml/gal (provide nutrients, proliferate root growth) + **Breakthru** 1 ml/gal (helps the spray to spread over and enter the leaf).

WEEK 7

Spray **Striker** 5 g/gal (control Diamondback Moth and other pests) + **Coback or Cuprofix** 15 g/gal (protect from fungus and bacterial disease) + **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 8

Spray **Advance** 10 ml/gal (kill insect eggs and immature stages) + **Secure** 5 ml/gal (control Diamondback Moth and other pests) + **Coback or Cuprofix** 15 g/gal (protect from fungus and bacterial disease) + **Bio 20** 10 ml/gal (provide nutrients, proliferate root growth) + **Breakthru** 1 ml/gal (helps the spray to spread over and enter the leaf).

WEEK 9

Spray **Striker** 5 g/gal (control Diamondback Moth and other pests) + **Coback or Cuprofix** 15 g/gal (protect from fungus and bacterial disease) + **Bio 20** 10 ml/gal (provide nutrients, proliferate root growth) + **Breakthru** 1 ml/gal (helps the spray to spread over and enter the leaf).

WEEK 10

Spray **Advance** 10 ml/gal (kill insect eggs and immature stages) + **Secure** 5 ml/gal (control Diamondback Moth and other pests) + **Coback or Cuprofix** 15 g/gal (protect from fungus and bacterial disease) + **Bio 20** 10 ml/gal (provide nutrients, proliferate root growth) + **Breakthru** 1 ml/gal (helps the spray to spread over and enter the leaf).

REPEAT WEEKS 9 AND 10 IF NECESSARY





