GENERAL

For most ornamentals the key to beautiful plants is a good medium for the roots to grow. This means that whether the plant is growing in the earth or a container the medium must be:

- Able to hold water and nutrients
- Well drained so the roots have air
- Well supplied with nutrients
- Free of pathogenic nematodes, fungi, bacteria, insects and arachnids like mites.

There are some ornamentals that are considered "acid loving", but even these plants would do well with the recommendations made here.

SOIL

To provide all the attributes listed above, the soil should be mixed with a generous amount of **LAMBERT GARDEN SOIL** until the desired consistency is achieved. Well-rotted pen manure or compost can also be used. Sand can also be added to achieve the desired result.

Assuming that the beds are 2 feet wide mix 1 lb. of limestone and 2 ounces of **ELIXIR 12-12-17-2** into every 10 feet of bed.

Virtually all soils in Guyana are acid and deficient in Calcium, hence the need for limestone and **AGRICAL**.

If the soil is sandy or sand has been added to it apply a drench of **VYD-8** to control the nematodes. Mix 30 ml (1 ounce) of **VYD-8** in a 2 gallon watering can and apply it to each 5 ft. length of bed.



CONTAINERS

The medium to be used in the container can be **LAMBERT GARDEN SOIL** alone or it can be mixed with one third soil and one third sand. Mix into every cubic foot of the medium a tablespoon (15 gm) of limestone and a teaspoon (5 gm) of **ELIXIR 12-12-17-2** fertilizer.

If any soil or sand is mixed with **LAMBERT GARDEN SOIL** a drench of **VYD-8** must be applied to control nematodes. Mix 2 teaspoons (10ml) of **VYD-8** per gallon of water and water the medium, ensuring all the medium is wet.



NON-SOIL MEDIUM FOR ORCHIDES BROMELIADS AND TILLANDSIAS

The main purpose here is to ensure the plant can attach and is not overcome with water nor dried out.



WATERING

Plants should be watered as needed, usually every day. Once per month add **AGRICAL** to the water at a rate of 1 tablespoon (15ml) per gallon, to maintain the availability of Calcium



FERTILIZING

A teaspoon (5gm) per plant per month of **ELIXIR 12-12-17-2**, is a good rule of thumb for most ornamentals.



WEED CONTROL

For plants in pots, the most practical method of weed control is removing by hand. For very small plants in beds, hand weeding is also the best option.

For larger plants, **LIFELINE** or **CARISTA** can be used. These are herbicides that would affect all plants, so care must be taken to avoid contact with the ornamentals. If some drift from the spray accidently touches the plant, only a yellow spot would appear, and the plant would soon grow out of it. Use **LIFELINE** or **CARISTA** at 20ml/gallon.





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PRODUCTION GUIDE
ORNAMENTALS



QUALITY PRODUCTS. EXPERT ADVICE.
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PEST AND DISEASE CONTROL

Most crops are sprayed every week for pests and diseases, but ornamentals are generally sprayed for pest and disease only when observed. However well-nourished plants with healthy roots tend to have far less pest and disease problems. Plants can feed through the leaves as well as the roots. In addition to the fertilizer applied monthly a weekly spray of certain foliar fertilizers would protect the roots from disease and stimulate the plant's natural immune system, therefor spray weekly:

CALMAX B or CALMAX GOLD	at 2 tspn (10ml) per gal, 1 tspn (5ml) for young or tender plants
PHORTIFY	at 2 tspn (10ml) per gal, 1 tspn (5ml) for young or tender plants
BIO 20	at 2 tspn (10ml) per gal, 1 tspn (5ml) for young or tender plants
NUFILM	¼ tspn (1 ml) per gal. for spray to be rain-fast and penetrate



If plants are attacked by insects or mites apply **CAPRID** at 1 tspn. (5ml) per gal.

➡ A week later apply **SECURE** at 1 tspn. (5ml) per gal.

Repeat each week alternating **CAPRID** and **SECURE** with **NUFILM** until the problem is resolved.

If plants are attacked by disease apply **BELLIS** or **CAPTAIN** at 1 Tablespoon (15gm) per gal.

➡ together with **ACROBAT** or **PILOT** at 2 teaspoons (10gm) per gal.

Repeat this combination weekly with **NUFILM** until the problem is resolved.

If this does not work it is likely that the disease is caused by bacteria, therefore apply **COBACK** or **CUPROFIX** at 1 teaspoon (5gm) per gal.

➡ Increase to 1 Tablespoon (15gm) per gal. if necessary

These products can be harsh on ornamentals, therefore apply a low dose at first and observe the effect.

Do NOT use NUFILM until you are sure there is no harm to the plants

SUGGESTED INVENTORY OF INPUTS

- **LIMESTONE** ..... 1 x 100 lb. bag
- **AGRICAL** ..... 1 x 1 lt
- **ELIXIR 12-12-17-2** ..... 2kg pack or 1 x 50 lb. bag according to area planted
- **SECURE** ..... 1 x 100 ml
- **CAPRID** ..... 1 x 100 ml
- **BELLIS or CAPTAIN** ..... 1 bottle or pack
- **ACROBAT or PILOT** ..... 1 pack
- **CALMAX B or CALMAX GOLD** ..... 1 lt
- **PHORTIFY** ..... 1 lt
- **BIO 20** ..... 2 x 500ml
- **NUFILM** ..... 1 x 250ml





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