

BPI-LBNCRDPSC

VISION

A recognized and leading Research Development and Production Support Center for lowland vegetables.

MISSION

We generate crop farming technologies and produce quality seeds of lowland vegetables to ensure sustainable production.

MANDATE

The Center is mandated to generate and promote relevant technologies for lowland vegetables; to produce quality seeds and plant materials; and to transfer generated technologies to increase farmers' productivity and attain food security of the farming clientele.

Prepared by:



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GUMAMELA

Hibiscus sp.



GUMAMELA (*Hibiscus sp.*)

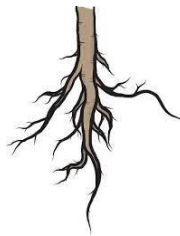
Gumamela is a tropical ornamental plant and known to be a complete flower. It is mainly recognized with its use as an accessory tucked in the ears in tropical countries. It is also a beautiful plant used in landscapes as main attraction. Gumamela has a flower with 5 petals sporting various colors depending on its variety.



Production Guide for Gumamela



Hibiscus requires full sunlight for good growth accompanied by frequent watering to avoid dehydration. Full sunlight helps the flower develop fully and bear flower abundantly.



The roots of the plant goes deep, often requiring 1-2 feet of depth and needs to be planted with 4-5 feet distance. Pruning is also encouraged to let the plant have new growth and develop more flowers.



For its soil requirements, it is advisable to grow the plant in their early stage in a porous and sandy soil combined with manures and compost. The plant planted in a pot should be applied with either granular or foliar complete fertilizer. As recommended 1 tablespoon of complete fertilizer should be diluted in a gallon of water and applied every 2 weeks.

Insect Pests of Gumamela

Aphids- Causes leaf wrinkling and curling and malformation of blossoms

Mealy bugs- Attract ants and transmits black sooty molds

Red spider mites- Sucks the plant juices hindering the proper growth of the leaves

Scale insects- severe infestation can cause plant death

Diseases of Gumamela

Leaf Spot- symptoms are circular to irregular fungal spots on the leaves, hindering photosynthesis

Root and Collar Rot- soil-borne bacteria enters the stem because the soil is saturated with water due to poor drainage

Viral Diseases- symptoms are deformed and mottled leaves of the plant and stunted growth.

For prevention of diseases, watering of the plants should be done moderately. It is also advisable to have a good drainage.

To control the diseases, Dithane 45 could be used.