

Guggal

COMMIPHORA WIGTHII (ARN.) BHANDRI FAMILY- BURSERACEAE

It is a woody climber with small yellowish flowers and simple opposite, ovate - elliptic hairy leaves. It is found wild in various deciduous forests of India.

COMMON NAMES: Madhunasini, Merasingi

LOCATION: Uttar Pradesh, Madhya Pradesh, Maharastra, Punjab, Haryana., Tamil Nadu, Andhara Pradesh, Kerala, Karnataka, Bihar & Bengal.

PART USED: Leaves and roots

CULTIVATION:

SOIL AND CLIMATE

THE PLANT GROWS IN A VARIETY OF SOIL AND AGRO-CLIMATIC CONDITIONS IN TROPICAL AND SUB-TROPICAL REGIONS UP TO 600 M.

NURSERY RAISING AND PLANTING

Mature seeds are collected between October-December and sown in polyboxes/bags or small plots as nursery. The seedlings raised are transplanted in field during February-March. The plant grows well with the on-set of rainy season. The climber is given proper support for its better growth and development. It can also be planted in between trees as intercropping.

The plant can also be propagated through cuttings and planted during rainy season.

WEEDING AND HOEING

Periodical weeding and hoeing is required, particularly during and after rainy season.

MANURES, FERTILISERS AND PESTICIDES

The medicinal plants have to be grown without chemical fertilizers and use of pesticides. Organic manures like, Farm Yard Manure (FYM), Vermi-Compost, Green Manure etc. may be used as per requirement of the species. To prevent diseases, bio-pesticides could be prepared (either single or mixture) from Neem (kernel, seeds & leaves), Chitrakmool, Dhatura, Cow's urine etc.

IRRIGATION

Periodic irrigation as and when required may be done (weekly/fortnightly).

HARVESTING/POST-HARVESTING

After one-year leaves are ready for harvesting. The leaves are usually collected during October-February and are cleaned, dried in shade. The roots are collected during summer and are cleaned, washed and cut in to pieces and dried.

ECONOMICS

The rate for a kg. of crude drug ranges from Rs. 12-15. (YEAR-2001)

NOTE: MARKET FOR MEDICINAL PLANTS IS VOLATILE AND THE ECONOMICS MAY VARY.

INSTITUTE TO BE CONTACTED:

**CENTRE FOR ADVANCE STUDIES IN
BOTANY,
UNIVERSITY OF MADRAS,
GUINDY CAMPUS,
CHENNAI.**