

CULTIVATION GUIDE FOR THE SELECTED MEDICINAL CROPS

Scientific name	Growth habit	Part used	Spacing	Seed rate	Crop duration	Yield
<i>Alpinia calcarata</i> Chittaratha	Perennial zingiberaceous herb	Rhizomes	30x30 cm	500 kg/acre fresh rhizome bits	3 years	Fresh: 8-10 t/acre Dry: 2-2.5 t /acre
<i>Chrysopogon zizanioides</i> Ramacham	Perennial grass	Aromatic roots	45x30 cm	40000 slips/acre	18 months	Root: 1.5 t/acre Oil: 15-25 kg /acre
<i>Curculigo orchioides</i> Nilappana	Perennial herb	Rhizomes	15x10 cm	300 kg/acre fresh terminal tuber segments	Annual /biennial	I year crop: 1-1.5 t / acre II year crop: 2.0-3.0 t /acre Dry Recovery - 35-40%
<i>Curcuma aromatica</i> Kasturi manjal	Rhizomatous herb	Rhizomes	25x15 cm	600-800 kg rhizomes/ acre	Annual	Fresh rhizome - 10-12 t /acre Dry Recovery - 20-25%
<i>Cymbopogon flexuosus</i> Inchippullu	Perennial grass	Aromatic leaves	30x30 cm	Seeds 1-1.5 kg/acre or by slips	Leaf cut at 60-90 days interval New planting: after 5-6 years	Herbage yield : 3-4 t/acre/harvest Oil yield 80-100 kg/acre/yr
<i>Indigofera tinctoria</i> Neelamari	Shrub 1 m height	Fresh leaves, root	60x60 cm	Seeds 1-1.2 kg/acre	Leaf harvest at 1.5-2 months interval; Root harvest - After 3-4 years	Leaf yield: 500 kg/acre/yr Root yield: 450 kg / acre
<i>Justicia beddomei</i> Chittadalotakam	Perennial herb	Root, leaves, whole plant	60 x 30cm	3-4 noded rooted or unrooted stem cuttings 20,000 cuttings/ acre	Leaf harvest : at 3-4 months interval Root harvest :after 2 years	Leaf (fresh): 7-8 t/acre/yr Roots:2-3 t/acre
<i>Kaempferia galanga</i> Kacholam	Rhizomatous herb	Rhizomes	20x15 cm	200-300 kg /acre	Annual	Fresh rhizomes: 2.5 – 3.0 t/acre Dry rhizome: 700-800 kg/acre
<i>Kaempferia rotunda</i> Chengazhi neerkizhangu	Rhizomatous herb	Fresh Rhizomes	20x15 cm	600 -800 kg rhizomes / acre (with attached globose bodies)	Annual	4-5 t/acre
<i>Piper longum</i>	Perennial creeping	Spikes, roots	60x30 cm	Rooted vine cuttings	Spikes: from 8 months onwards	Spike: 80 kg/acre (I yr)

Thippali	undershrub			from female plant	Roots: after 3 years	Upto 200-250 kg/acre (3 rd yr) Root: 200 kg/acre
<i>Plumbago indica</i> Chethikoduveli	Perennial shrub	Root tubers	10x10 cm	2-3 noded stem cuttings	18-24 months after planting	Fresh: 4000 kg/acre Dry: 1400 kg/acre
<i>Saraca asoca</i> Asokam	Medium sized evergreen tree	Stem bark, flowers	3x3 m	450 seedlings/acre (5 kg seeds), Self sown seedlings, air layers	From 10 th year onwards bark peeled off from main stem or branches	50 -100 kg/acre/ yr