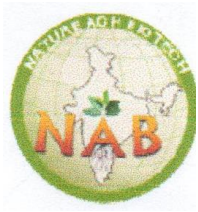


National AG Biotech

**ARECA NUT
C MANGALA**



GSTIN: 37AAQFN9290B1ZU

Corporate Office & Nursery:

NATIONAL AG BIOTECH

Huskur Kodi,

Old Madras Road,

Near Hoskote Toll,

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The areca nut is the fruit of the areca palm (***ARECA CATECHU***), commonly referred to as betel nut, or Supari. In India it is extensively used by large sections of people and is very much linked with religious practices. India is the largest producer of arecanut presently around 723000 tons annually as per 2017 Census. Major states cultivating this crop are Karnataka (40%), Kerala (25%), Assam (20%), Tamil Nadu, Meghalaya and West Bengal.

Salient features of National AG Biotech Arecanut (C Mangala) dwarf:

- The flowers of 30 years old wild varieties are handpicked, pollinated in lab conditions and seed are germinated up to 3 months in lab.
- Later healthy clones from lab are transferred to Hardening House and grown up to 2 months.
- The next 7 months clones are grown nursery are acclimatized to local conditions.

About National AG Biotech

- ✓ National AG Biotech is one of the topmost companies producing Hi Quality Tissue Culture Super Clones and agriculture products for over 30 years in compliance with National and Internationally recognized standards.
- ✓ We are the largest producers of Arecanut clones in the India and premier supplier to the global farmers.

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- ✓ We are entrusted with the triple functions of producing trained personnel, carrying out research and extension activities in agriculture and plantation sectors.
- ✓ We are having well-established plant culture laboratory with hardening facilities and producing a wide variety of Horticulture, Medicine plants.
- ✓ We regularly supply to various Government departments, Organizations and farmers in the areas of Arunachal Pradesh, Meghalaya, Maharashtra, Goa, West Bengal, Karnataka, Andhra Pradesh, Telangana and Kerala since 1993 besides exporting to Australia, Malaysia etc.
- ✓ We ensure desired quality in all the clones, uniquely qualified to meet these needs of our customers in the different ways that create ongoing good relationships. We can't accomplish them alone. The customer's relationship is an investment in the long-term success of our company.
- ✓ We are nature lovers and doing business to protect nature and make the environment green. Our wish is to make greenery as much as possible.

Climate & Soil:

National AG Biotech Arecanut can grow in a variety of soils. It thrives best in well-drained soil. It grows in a wide range of temperatures ranging from minimum of 4⁰C to a maximum of 40⁰C. Altitude up to 1000 m above Msl. Rainfall shall be 750mm – 4500 mm.

The largest area under the crop is found in gravelly laterite soils of red clay type. It can also be grown on fertile clay loam soils.

Land Requirements & Practices:

- National AG Biotech Arecanut clones are planted in pits of about 90 cm x 90 cm x 90 cm at a spacing of 8ft x 8ft either way and covered with soil to the collar level and pressed around.
- Irrigate weekly once during November – February, once in 4 days during March – May.
- In well-drained soils, planting at a depth of 90 cm is recommended and in heavy soils planting at a depth of 60 cm is recommended.
- For shade in the first year banana plants intercropping is recommended.
- Cardamom intercropping will be more profitable.

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- Yearly application of 100 g N (220 g urea), 40 g P₂O₅ (200 g rock phosphate) and 140 g K₂O (235 g muriate of potash) in addition to 12 kg each of green leaf and compost per palm is recommended.
- The fertilizers are to be applied in two split doses. One third of the fertilizer is applied in May - June and two thirds along with the organics during September-October.
- Fertilizers are applied in basins around the palm dug to a depth of 15-20 cm and 0.5-1.0 m radius leaving 20 cm from the base of the palm. After application, the soil is rolled up and covered with organic matter and soil.
- For grown palms 5 years and above, 10 - 15 kg of FYM or green leaf. 100:40:140 g of NPK per tree per year is recommended.
- Regular weeding is recommended.

Harvest:

- The bearing starts after 30 months of planting. Nuts are harvested when they are three quarters ripe.



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Yield:

The average yield from single tree of National AG Biotech Arecanut is 20 kgs of original dry nuts per tree.

Cost Benefit Analysis:

1 acre (Sq.Ft)	43560
Spacing (8ft x 8ft)	64
Number of plants	700
Price per plant	350
1 Year ESTABLISHMENT COST	10000
Weeding labour 2 times	16918
Fertilizers for every 2months	13534
Insecticides	18609
Total 1 Year cost	59061



- ✓ Yield Starts from 30 months.
- ✓ Yield Continues for 45 Years.
- ✓ Plant height grow upto 25ft.
- ✓ Yielding gives yearly 5 times.

The yield per plant is 20kgs per plant rounding to 13620 Kg per acre after 3 years.
At present average rate of ₹ 400/- per kg the income will be ₹ 5448000/-

National AG Biotech Arecanut Plant Price - ₹ 350/-

Thanking you

Corporate Office & Nursery:

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