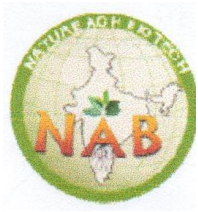


National AG Biotech

COFFEA ARABICA



GSTIN: 37AAQFN9290B1ZU

Corporate Office & Nursery:

NATIONAL AG BIOTECH

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Coffea arabica also known as the Arabic coffee, is a species family Rubiaceae. Coffea Arabica accounts 60% of global production. Coffee produced from the less acidic, more bitter, and more highly caffeinated robusta bean (*C. canephora*) makes up most of the remaining coffee production.

Salient features of National AG Biotech COFFEA ARABICA:

- The National AG Biotech Coffea plants yield will be within 1 year.
- The National AG Biotech Coffea plants have the life span of 30 years.
- The National AG Biotech Coffea arabica will yield 2 to 2.5 Kg per plant, Net 2000 kg per acre.

Coffea, has various other uses and applications beyond being a popular drink. Here are some of the key uses of Coffea:

1. **Coffee Beverage:** The primary and most well-known use of Coffea is to produce coffee beverages. The beans are roasted and then brewed to make a variety of coffee drinks, including espresso, drip coffee, cappuccino, latte, and more.

2. **Caffeine Source:** Coffee contains caffeine, a natural stimulant. Caffeine is also used in various other beverages, energy drinks, and even some medications to provide alertness and improve focus.

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3. Flavoring and Cooking Ingredient: Coffee can be used as a flavoring agent in both sweet and savory dishes. Coffee-infused sauces, desserts, and even meats can have a unique and rich flavor profile.

4. Coffee Extracts: Coffee extracts are used to add coffee flavor to various products, including baked goods, ice cream, candies, and liqueurs.

5. Beauty and Personal Care Products: Coffee grounds are sometimes used in exfoliating scrubs and masks for skincare. The natural exfoliating properties of coffee can help remove dead skin cells.

6. Aromatherapy: The aroma of freshly brewed coffee is enjoyed by many and is used in aromatherapy and scented candles to create a calming and comforting ambiance.

7. Health and Wellness: Some studies suggest that coffee, when consumed in moderation, may have potential health benefits, such as antioxidants and a reduced risk of certain diseases. However, excessive consumption can have adverse effects on health.

8. Natural Dyes: Coffee can be used as a natural dye for fabrics, paper, and even hair. It can create a range of brown shades.

9. Coffee Bean Oil: Coffee bean oil, which is extracted from green coffee beans, is used in cosmetics and skincare products for its antioxidant properties.

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 Coffea arabica clones in the India and premier supplier to the global farmers.
- ✓ We are entrusted with the triple functions of producing trained personnel, carrying out research and extension activities in agriculture and plantation sectors.

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- ✓ 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 Coffea arabica can grow in any soil. They thrive in tropical and subtropical climates. The preferred altitudes ranging from 2,000 to 6,000 feet (600 to 1,800 meters) above sea level. The higher altitudes typically produce better-quality beans. Arabica coffee plants prefer temperatures between 60°F to 70°F (15°C to 24°C).

Land Requirements & Practices:

- National AG Biotech Coffea arabica clones are planted in pits of about 90 cm x 90 cm x 90 cm at a spacing of 6ft x 8ft either way and covered with soil to the collar level and pressed around.
- Well-draining soil is essential for Arabica coffee cultivation.
- Soil pH should be slightly acidic, ideally around 5.6.
- Organic matter in the soil can be beneficial for plant growth.
- Arabica coffee plants naturally grow under the canopy of taller trees in their native habitat, so they prefer some shade. However, the degree of shade required can vary based on the local climate.



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- Regular pruning is necessary to maintain the shape of the coffee plants, improve air circulation, and facilitate harvesting.
- Use of trellises or shade trees to support the growth of coffee plants recommended.
- Manuring

Species	Pre- Blossom March N:P2O5: K2O	Post – blossom May N:P2O5: K2O	Mid monsoon August N:P2O5: K2O	Post- monsoon October N:P2O5: K2O	Total
Arabica					
Young coffee 1st year after planting	15:10:15	15:10:15	---	15:10:15	45:30:45
2nd and 3rd year	20:10:20	20:10:20	---	20:15:20	60:45:60
4th year	30:20:30	20:20:20	---	30:20:30	80:60:80
Bearing coffee 5 years and above for less than one ton/ha crop	40:30:40	40:30:40	---	40:30:40	140:90:120
For one ton / ha and above	40:30:40	40:30:40	40:30:40	40:30:40	160:120:160
Robusta					
For less than one ton/ ha crop	40:30:40	---	---	40:30:40	80:60:80
For 1 ton /ha and above	40:30:40	40:30:40	---	40:30:40	120:90:120

- National AG Biotech Coffea arabica clones are resistant to harsh climates and pests yet advice of agricultural officer is recommended.

Harvest:

National AG Biotech Coffea Arabica clones harvest can be started with in a year, peak production will be upto 30 years.

Yield: The National AG Biotech Coffea arabica will yield up to 2000 Kg /acre.

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Cost Benefit Analysis:

1 acre	43560
Spacing (6ft x 8ft)	48
Number of plants	908
Price per plant	350
Total Plants Cost	317800
1 Year ESTABLISHMENT COST	231879
1 Year Maintenance 1 person	83560
Irrigation equipment	41780
Weeding labour 2 times	20890
Fertilizers for every 2months	16712
Insecticides	22979
Total 1 Year cost	417800
II Year cost	167120
Total Cost in 2 Years	902720
INCOME AFTER 2 YEARS	1271200

The yield is 2KG/Plant rounding to 2000 Kg per acre after 1 year. At present average rate of ₹ 700/- per Kg the income will be ₹ 14,00,000/- .

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National AG Biotech Coffea arabica Plant Price - ₹ 350/-

Thanking you

For NATIONAL AG BIOTECH

Corporate Office & Nursery:

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**Opp. to Someswara Temple, Huskur Kodi, Old Madras Road,
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