National AGH Biotech

TEAK (H1-Veera)

GSTIN: 37AAQFN9290B1ZU

Corporate Office:
Near Someshwar Temple,
Huskur, PVR Orion uptown mall
Besides Rd , Huskurkodi, old
Madras Rd.,
Bangalore—562129

National AGH Biotech
Laboratory:
Tumkur Road, Gubbi,
Karnataka.
9491035007, 9000009946
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Teak, the king of Timber wood is a high-quality hardwood tree mostly found in tropical regions. Teak wood has a higher demand in national as well as international markets. This is because of moderate weight, appropriate strength, dimensional stability and durability, easy workability and finishing qualities.

The National AGH Biotech Teak Clones yields 25 to 28 Cu. ft wood for each tree in about 8 to 9 years. The main stem grows to a height of 70 to 80 ft. and attains a girth of 45 to 50 inches in diameter. About 400 genetically superior teak plants can be grown in one acre, by adopting a spacing of teak plants as 10 ft. by 12 ft.

About National AGHH Biotech

- ✓ National AGHH 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 processors of Teak 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 horticultural plantation sector.
- ✓ We are having well-established plant culture laboratory with hardening facilities and producing wide variety of Horticulture, Medicine plants.

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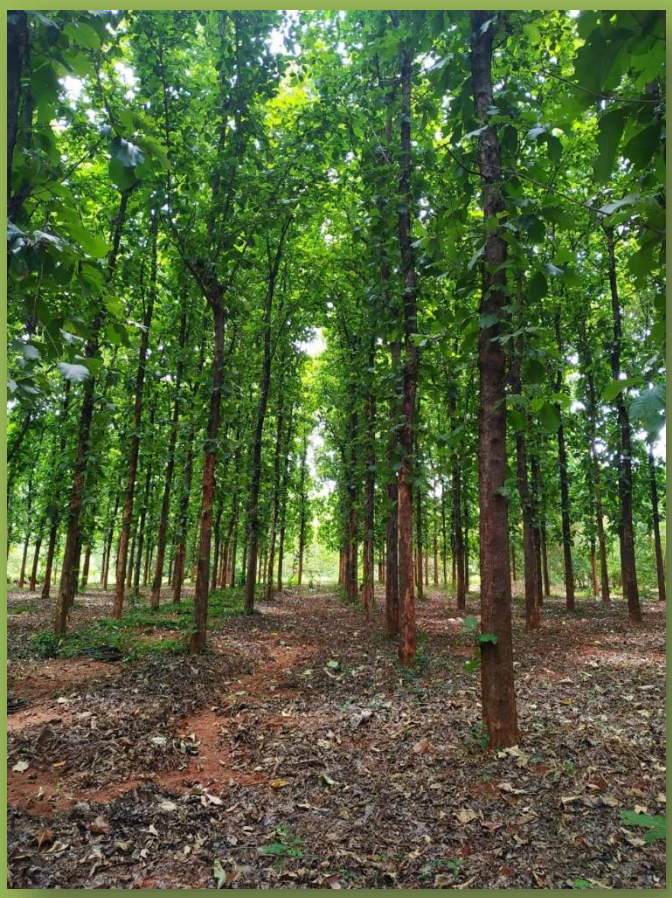
- ✓ We regularly supply to various Government departments, Organizations, and farmers in the areas of Arunachal Pradesh, Meghalaya, Maharashtra, Goa, West Bengal, Karnataka, Andhra Pradesh, Telangana, Tamailnadu and Kerala since 1993 besides exporting to Australia, Malaysia etc.
- ✓ We ensure desired quality in all the clones, uniquely qualified to meet these needs of our customers in the different ways that create ongoing good relationship. We can't accomplish them alone. 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 making the environment green. Our wish is to make greenery as much as possible.

Climate:

National AGH Biotech clones perform in any climatic conditions and can withstand extremes of temperature, but maximum & minimum shade temperatures of 38- 46 ^{0}C and 5 – 16 ^{0}C respectively. Our Teak clones grows well in rainfall zone of 800-2500 mm.



Soil:

Our Teak clones can grow in any soils yet deep, well-drained alluvial soils which are acidic (pH < 6.0) are preferred. Soil pH is another factor limiting the distribution and stand development of the species. Although the

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range of soil pH in teak forests is wide (5.0-8.0), the optimum pH range for better growth and quality is between 6-8.

Land Preparation:

The land is prepared with one to two plowings bringing the soil to a fine tilth. The pits are dug with the size of 1.5 ft x 1.5 ft x 1.5 ft, filled with soil mixed with farmyard manure along with herbicides and insecticides in each pit. The pits shall be dried before filling. Best planting time for Teak is monsoon; preferably after the first shower. Care shall be taken for preventing water logging and Debudding shall be done in the initial years to improve the quality of timber.

Measures:

1. Intensive weeding shall be done for 2 – 3 years. Weeding may be carried out at 3 times in the first year, 2 times in the second year and one time in the third year.
2. Two doses of fertilizer (in the month of August & September) @ 50 gm per plant of NPK (15:15:15) shall be provided every year up to three years.
3. Increasing the inputs of irrigation and frequent thinning, will increase the rate of diameter growth.

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4. National AGH Biotech clones grow straight.
5. To attain good quality teak wood trees at least three to four months will require less water or less than 60 mm precipitation.
6. Each year during the months of August and September apply 50 grams in the first year, 100 grams in the second year and 150 grams in the third year. Application of fertilizer is done by making 10 to 15 cm deep holes around the tree stem in a circular at a distance of 50 to 150 cm.
7. In the beginning termites and stemborers will be the problem. In the later years the caterpillars. Fresh leaf extracts of Calotropis procera, Datura metal, and Azadirachta indica were found to be most effective. Recommended doses of monocrotophos or Chlorpyrifos or other insecticides will protect the plantation from insects. For the local pests or insects' problems, recommendations of local agricultural officer shall be taken.

Yield:

National AGH Biotech Teak each tree yields 25 to 28 Cu. Ft wood in about 8 years. The cultured teak grows quickly and attains a height of 70 to 80 ft. in 8 to 9 years with a girth of 45-50 inches diameter.

ECONOMICS:

After 8 to 9 years Each Teak Plant Yield 25 to 28 cft of wood

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Taking 25 cft yield as average yield. For 1 acre Plants 400 x 25 cft per acre -10000 cft .

Each cft cost on average – Rs. 2500/-

Total: 10000 x 2500/- = Rs. 2.5 crore (Total income / acre)

₹ 2,50,00,000/- crore can be gained for one acre of Teak plantation in 8 years by using genetically superior plants.

* If cutting not done after 8 years every year growth will multiply the cu.ft. hence more profit.

National AGH Biotech Teak (H1-Veera) Price - ₹ 225/-

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Cost Benefit Analysis:

1 acre	43560
Spacing (10ft x 12ft)	120
Number of plants	400
Price per plant	225
Total Plants Cost	₹ 90000
labour cost – pits digging per pit 40/-	₹ 16000
Planting labour cost 5 members for 1 day per head 400/-	₹ 2000
Fym & Mannures 30/- per pit at the time of planting	₹ 12000
1 Year Maintenance 1 person	₹ 36500
Irrigation equipment (drip)	₹ 65000
Weeding labour 3 times	₹ 24000
Fertilizers for every 3 months	₹ 12000
Insecticides	₹ 12000
Total 1 Year cost	₹ 269500
From 2nd year to 8th year per year maintenance 40000/-	₹ 280000
Total Investment for 8 Years	₹ 549500

Total Income after 8 years – ₹ 25000000.00 less ₹ 549500.00,

The net profit is **₹ 24450500/-**

Thanking you

Corporate Office:

Opp. White Stone Apartment, Huskur, PVR Orion uptown mall Beside , old Madras Rd.,

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