

Tissue culture raised G9 (grand naine) banana plantlets after primary and secondary hardened available on prior order

- Banana Variety: G-9 Banana
 - Per Bigha plantation: 400 plants
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Banana (*Musa Paradisicia*) is considered as one of the most important fruit crops across the globe. India is the largest producer of banana in the world with an output of 29 million tons per year on average. Assam, a state in the North Eastern region of India, is one of the major banana producing states in the country. The production of banana in Assam accounts for 2.4 per cent of its total production in the country. Banana is a rich source of carbohydrate and is rich in vitamins particularly vitamin B. It is also a good source of potassium, phosphorus, calcium and magnesium.

G9 banana is one of the most cultivated Cavendish bananas. These are the high yielding plantain among all the banana varieties which is introduced to India from Israel. It is the solid green fruit with high export value and economically highly profitable producing 16 hands and 16 fingers consisting of 225-250 fruits per plant. This variety has good wind resistance and excellent landscaping potential. Matured height of the G9 is 6-8 feet. The size of G9 fruit is 41 mm usually which is the preferred size for export. Length of the fruit is 10.5–11’’; Girth of the fruit is 5.5 – 6’’.

Supply of tissue culture raised G9 banana plants

We generate and supply disease free quality primary/secondary hardened tissue culture raised G9 banana plantlets. Prior order (At least a one to two months before planting) is a must to obtain duly hardened plantlets. We select elite disease-free suckers and regenerate plantlets *in vitro*.





Primary hardened G9 banana plants

Secondary Hardening of tissue culture raised netpot stage plants

Secondary hardening refers to the process of acclimatizing tissue culture-raised banana plants to external environmental conditions before transplanting them to the field. This process is critical to ensure the plants' survival and robust growth. The initially hardened banana plantlets will be transplanted into polybags filled with a suitable potting mix. This mix typically will include soil, sand, and organic matter in a balanced ratio to provide proper drainage and nutrients. The secondary hardening process helps ensure that tissue culture-raised banana plants develop the resilience needed to thrive when transplanted to the field. Over a period of 2-4 weeks, the plantlets should gradually be exposed to outdoor conditions.



Secondary Hardening Facility and transport of the plantlets

Advantages of Tissue Culture Plants

- True to the type
- Synchronous flowering
- High market value
- High yield and quality
- Early Maturity
- Free from all diseases at the time of supply
- Throughout the year plantation possible
- Uniform growth of fruits

Details of Banana G-9 variety nursery plants

Option -1 Supply of Primary hardened (netpot stage) plants

S. No.	Particulars	Details	Amount in Rs.
1.	No. of Primary hardened (netpot stage) plants per bigha	400 plants	
2.	Cost of Primary hardened plant at AAU, Jorhat for one bigha	@Rs. 15/plant	6,000.00

Option -2 - Supply of Secondary hardened Polybag plants

S. No.	Particulars	Details	Amount in Rs.
1	No. of Secondary hardened (Polybag) plants per bigha	400 plants	
2	Cost of Polybag plants at AAU, Jorhat	@Rs. 25/plant	10,000.00

Payment Details:

For large supply, farms will release payment to us in following steps:

- Payment of 50 % advance towards the booking of secondary hardened polybag plants (Month of June / July of any year).
- Payment of 20 % advance towards the banana culture in multiplication stage (Month of December of a year).

- Payment of 20 % advance towards the banana culture in rooting stage (Month of March next year)
- Balance amount 10 % prior to dispatch (Month of April next year).

Our bioinputs products (Biopushti, Bioveer, Bioguard and Bioshakti) can be applied for a good crop. Please contact us for details.

For further details: Contact: 9435091484 (bidyut.sarmah@aau.ac.in)