

## Demonstration of Tissue Culture Banana

Area: 1 Bigha (1333 m<sup>2</sup>)

Crop: TC Banana

Variety: Grand Naine

Spacing: 3 ft x 3 ft

No. of Plants: 400/Bigha

Sl. No.	Particular	Quantity	Rate	Labour Component	Materiel Component
Plantation					
1	Survey, Demarcation, Cleaning the area,	2 Nos. u/s	Rs. 169/MD	Rs. 338.00	
2	Land leveling and preparation	3 Nos. u/s	Rs. 169/MD	Rs. 507.00	
Total no of pit: 400 nos.					
5	Pit digging (1.5'x1.5'x1.5') (Spacing 1.5m x 1.5m)	22 nos. u/s	Rs. 169/MD	Rs. 3718.00	
6	Mixing soil with fertilizers and manure	15 nos. u/s	Rs. 169/MD	Rs. 2535.00	
7	Filling up of pits	15 nos. u/s	Rs. 169/MD	Rs. 2535.00	
8	Plantation@50pit/MD	8 nos. u/s	Rs. 169/MD	Rs. 1352.00	
9	Organic manure (Cow-dung@ 7.00Kg/Pit) Fertilizers (Urea-550g, SSP-500g, MOP-700g)		Rs. 15.00/ plant Rs. 12.00/Plant		Rs. 6000.00 Rs. 4800.00
10	Planting Materials including 10% mortality	440 Nos.	Rs. 15.00/Plant		Rs. 6600.00
11	Plant protection materials with application	10 Nos. u/s	Rs. 169/MD Rs. 5.00/ pl.	Rs. 1690.00	Rs. 2000.00
12	Irrigation	20 Nos. u/s	Rs. 169/MD	Rs. 3380.00	
14	Weeding & other inter-culture operation	20 Nos. u/s	Rs. 169/MD	Rs. 3380.00	
15	Supervisor	05 Nos s/s	Rs. 253.50/ MD	Rs. 1267.50	
	Total			Rs. 20702.50	Rs. 19400.00
	Grand Total			Rs. 40102.50=	Rs. 40103.00

### Production of 2<sup>nd</sup> and 3<sup>rd</sup> Crop

Component	Cost (Rs.)
Manures and Fertilizers	6000.00
Plant Protection Chemicals	2000.00
Irrigation	4000.00
Labour	8000.00
Miscellaneous	1000.00
Total	21000.00

Total Cost for successive three crops: Rs. 40103.00 + Rs. 21000.00 x 2= Rs. 82103.00

### Income in 2 years

Crop	Number of Bunch	Rate	Total Income
1 <sup>st</sup> Crop	400	150.00	60000.00
2 <sup>nd</sup> Crop	400	160.00	64000.00
3 <sup>rd</sup> Crop	400	170.00	68000.00
Total Income			192000.00

The tissue culturally propagated banana plants will be productive for 3 successive crops.

Profit & Loss Calculation for 03 successive crops:

Net Profit: Return-(Operational Cost +Project Cost) =Rs. 109897.00

*Verified*  
*Chakraborty*  
*07/07/14*