

## HIGH QUALITY BANANA PLANT MATERIAL BY TISSUE CULTURE

### **Technology:**

Process for the production of high quality disease-free banana planting material.

### **Application and Use:**

Disease-free planting material of any variety of banana can be produced in minimum space in large number throughout the year.



### **Salient Features of the Technology:**

Banana varieties such as Cavendish, 'Rasabale' and others can be mass multiplied by tissue culture technology. The method involves establishment of plant tissue culture, large-scale production of plantlets, growing tissue culture-plants in poly-house and field cultivation.

### **Equipment and Machinery:**

Small laboratory with Laminar-flow chamber, autoclave, balance, pH meter, electric heater / gas burners, water distillation unit, some glasswares and chemicals and a small polyhouse.

**Raw Materials:** Macro and micro nutrient salts for Murashige and Skoog's culture medium, good quality water, growth regulators and soil compost.

**Status of Commercialization** : Know-how available

**Minimum Economic Unit Size (MEUS)** : 100000 plants/annum

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