

Technology Profile for Bioorganic for control of Softrot of Ginger

Description of technology	Herbal formulation for controlling softrot of Ginger
Equipment required	Autoclave, Boiler, Grinder, Choppe Bottle sealing machine
Space requirement	3000 Sq.feet
Plant set up cost	Rs. 50 lakhs
Raw material and production cost	Rs 100 / liter of formulation
Risks / opportunities involved in adopting the technology	The technology is suitable for both organic and conventional agriculture, potential to generate employment for local farmer
Expected cost of technology	Rs 150 – 200 / liter

Procedures

- Mix the formulation at a rate 20 ml per liter of water.
- Treats mother rhizomes for 10-12 hrs. in solution before sowing. The same solution can be used for 2nd and 3rd lots of ginger rhizomes. Discard the leftout solution after 30-36 hrs. Normally for one liter of solution one kg of planting material can be treated.
- If the rhizome is not treated at the time of planting, still the formulation can be used by way of soil drenching by applying around the plant base. 60-70 ml of ready solution should be applied to individual plant.
- Avoid rainy days as for effective results 10-12 hrs of dry spell is needed.
- The formulation is currently recommended for ginger crop only. Therefore it should not be applied to any other crops.

Precautions

- Once the bottle uncorked, use whole content.
- The product is natural & safe for human skin, however, avoid prolong contact.
- The formulation is made with plant extracts without adding any chemicals. Therefore it can be used for organic ginger cultivation.

Early sprouting:

Treated rhizome responded very well and under field condition juvenile sprouts emerged 10-12 days ahead as compare to non-treated (control) rhizome

