

Goa Bio-2 (Bio-formulation for plant health management of field, vegetable crops and black pepper in Coastal regions)

Background:

Incidence of plant disease in field, vegetable crops and black pepper is one of the constraints in increasing the productivity of these crops in coastal regions. Since most of the disease management strategies in field, vegetable crops and black pepper have limited success, there exists a scope for exploring the possibilities of employing biological agents.

Description:

Organism: *Bacillus methylotrophicus* RCh6-2b

Formulation: Talc based

Population: $>10^8$ CFU/g

Shelf life: 18 months



Recommended crops: Vegetable crops (Brinjal, tomato, chilli and cucumber), black pepper, fruit and plantation crop nurseries

Potential Beneficiaries: Farmers, agri-entrepreneurs, state department of agriculture

Impact of technology:

The product is eco-friendly, economically viable and sustainable in long term.

Application of Goa Bio-2 reduced the incidence of bacterial wilt in brinjal (50-70%); soil borne diseases of chilli (40-50%); foot rot of black pepper (80-90%) and mortality in mango nurseries (60-70%).

Status of commercialization:

Technology is under process with ITMU for evaluation and finalization of licensing terms.

