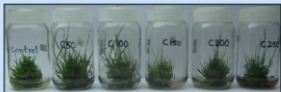
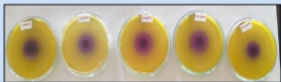


Irradiated chitosan as a biostimulator in agriculture



Effect of Biostimulator in Sugarcane Micropropagation

- Increase in survival by 6%.
- Shortening of primary and secondary hardening period by 10 days
- Improved tolerance to biotic and abiotic stresses in tissue cultured sugarcane and banana plants.



Effect of Irradiated Biostimulator on chitinases overproduction by *Trichoderma viridae*

- Reduces the transplanting shock and increases the field establishment .
- Improved germination and vigor of single eye bud seedlings .
- Early tillering initiation in tissue cultured and single eye bud seedlings of sugarcane.



Micropropagated Sugarcane VSI, Pune



Micropropagated Banana VSI, Pune



Field Trials : Potato intercrop (Vighnar SSK, Junnar)



Field Trails : ground nut intercrop (RB P SSK Sakharale)



Control

Treated



Control

Treated