

## Case Study

### 2. Introduction of Bidhan Kusum- a promising variety of elephant foot yam in Howrah district

**Agro-climatic zone for which the practice is relevant-** Old alluvial zone

**Micro-farming situation-** Irrigated and medium to high land situation

**Brief description-** KVK has introduced the variety *Bidhan Kusum* with proper scientific management practices including seed treatment with *Trichoderma viridae* @ 10 gm/kg seed since last 3 years. The change of cultural practices in respect to variety and Rhizome rot control augment the yield by 71.14% (Avg. demo yield- 600 q/ha and avg. yield of local check- 350 q/ha) with decrease in disease problem to a tune of 50%.

**How the practice may effectively address the particular problem issue-** The areas of medium to high land situation of Jagatballavpur block and Udaynarayanpur Block were previously dominated by elephant foot yam cultivation. But as the farmers were using local varieties like Goalpota, Santragachi etc. without any seed treatment, the result of which, the yield was declining day by day.

This technology back up provided by KVK boosts up the eagerness of elephant foot yam cultivation amongst the farmers and now they are getting the benefit out of this practice. With the introduction of this technology in Jagatballavpur and Udaynarayanpur block of Howrah district, more than 70 numbers of farmers are adopting this technology through KVK's training and demonstration. The area under elephant foot yam cultivation with our technology is increasing in a tune of 10% every year. The average income of the farmers of the aforesaid blocks has also increased by 3-4%.

