PROTECTING CROPS WITH ICT





OBJECTIVES

- DEVELOPING ICT BASED PEST MONITORING SYSTEM FOR MAJOR PESTS OF COTTON THROUGHOUT MAHARASHTRA.
- IDENTIFYING HOT-SPOTS WITH SPECIAL REFERENCE TO COTTON PINK Bollworm and issue real time advisories based on Pest Status.
- CREATING AWARENESS AMONG FARMERS ABOUT INTEGRATED CROP MANAGEMENT (ICM) PRACTICES.
- GUIDING THE FARMERS FOR MANAGEMENT OF MAJOR PESTS OF SELECTED CROPS.
- CONVERGENCE OF MANPOWER RESOURCES, GOVERNMENT SCHEMES AND INPUTS FOR EFFECTIVE MANAGEMENT OF PINK BOLLWORM.

Management (New Delhi); various Keith V gaue Kindeuw in the region and, obviously, the affected farmers. The intainive involved ustained post monitoring and swereness reaction among farmers across all conton growing districts of Mahasablare, peets surveillance based real time advisory system through mobile was dovertailed with a web based monitoring and reporting system using ICT took. 20,(40 villages across 26 control growing districts of Mahasablare were covered under the initiative.

OUTCOMES

- OUTCOMES

 The efforts outlined above have led to a rapid and significant positive change in the situation. Salient achievements are:

 Number of farmers enrolled for SMS service has increased to 67.73 ldsh.

 Todal 9705 advisories were suggested by State Agricultural Universities for cotton pest management in the state. These advisories were transmitted to 17.21 lash registered cotton growing farmers of the state through SMS, fee of cost.

 Technology dissemination achievement has been made possible in a short span of just one year.

 Percentage of villages below Economic Thershold Level (ETL) during About 2017 was about 7% in About 2018.

 Percentage of villages below Economic Thershold Level (ETL) during About 7.9 in About 2018.

 Percentage of SMS of
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 By investing a modest amount of Rs.18.42 Ct. in preventive measures, losses of Rs.8000 Ct. worth of cotton crops were severed.
 Cotton productivity as well as lint quality is now better compared to 2017. This is despite the drought sinuation faced in 2018.

he Pink Bollworm (Pectinophora ganghidi) is one of the most destructive pests that targets the cotton plant. In all probability native to India, Pink Bollworm (PBW) crosses cotton crops and its cultivates all across the world by boring into cotton bolls, devousing blossoms and seeds. Needless to say, this causes immense intensial and psychological distress to furner communities. Efforts of the Department of Agriculture, Covt. of Mahamathra have always been aimed an helping farmers of Agriculture, Covt. of Mahamathra thave always been aimed as deping for the control of the Agriculture, Covt. of Mahamathra (PBW) and the Covt. of Mahamathra (PBW) and the Covt. of Mahamathra (PBW) and the Covt. of Mahamathra (PBW) and a second school in Kharif season of 2017 due to a sudden outbreak of the PBW. Almost 100% areas of the state under cotton cultivation was impacted leading to long losses to find from the control of the state under cotton cultivation was impacted leading to long losses to find from the Covt. On productivity declined to 255 kg lint/ha as compared to 434kg lint/ha in 2016. The financial loss due to pest outbreak was estimated at about Rs. 8000 C.C. To alleviate

farmer distress, the State Government undertook a survey of the affected area and distributed an amount of Rs. 3132 Crores as crop damage compensation to as many as 50.11 lakh farmers.

Notedless to say the situation that prevailed was catastrophic for cotton farmers and warranted a systematic and coordinated approach to tackle the pest problem. Considering reasons factors responsible for the onset and prevail of the pest, a detailed multi-stabeholder insistence responsible for the onset and prevail of the pest, a detailed multi-stabeholder insistence was understate. The stabeholders involved included State Agriculture Digentiment was understate. The stabeholders involved included State Agriculture Digentiment was understate. The stabeholders involved included State Agriculture Digentiment was understated. The stabeholders and Agriculture Correct Received Policy Contral Research (Suppicio Contral Research Correct Research (Suppicio Correct Research (Suppici

