

IPM in Bt Cotton Dhule (Maharashtra)

Name of KVK	Dhule (Maharashtra)
Crop and Variety	Bt. Cotton
Name of farmer & Address	Mr. Hitendra Rajput, At & Po: Tawkheda, Ta; Shindkheda, Dhule
Details of technology demonstrated	<ul style="list-style-type: none"> • IPM in Bt. Cotton (Rashi 2) • Use of approved seeds having short duration/ early maturity. • Timely sowing between 1st June to 15th July • Planting of plant refugia. • Grow ecofeast crops like castor, marigold, cowpea and maize as border crop. • Spraying of neem oil @ 40 ml or NSE @ 50 ml per 10 lit. of water at 40-45 DAS. • Monitoring with pheromone traps after 75 DAS with 5 traps/ha. • Monitoring of pink bollworm infestation by dissecting 20 green bolls on 90 DAS onwards. • Release of <i>Trichogramma</i> @ 1,50,000/ ha and 3-4 releases. • Mass trapping with pheromone traps from 90 to 150 DAS with 25 traps/ha • Spraying of recommended insecticides at ETL
Institutional Involvement	<ul style="list-style-type: none"> • Training on IPM in Bt Cotton • Group Discussion • Method Demonstrations on Seed treatment / Pheromone traps • Critical Input • Spray of NSKE 5% • Release of <i>Trichogramma</i> (60000/acre) and 2 releases. • Mass trapping with pheromone traps from 90 to 150 DAS with 25 traps/ha • Recommended Insecticides for spraying after 60/80/100/120 DAS
Success Point	<ul style="list-style-type: none"> • Use of <i>Trichogramma</i> (60000/acre) and pheromone traps is less expensive as compared with insecticides, safety for animal and human health also higher net return • Use of recommended insecticides at 60/80/100 & 120 DAS helps to reduce pink bollworm infestation. • Installation of Pheromone trap (Mass) helps to monitor and to check the population of pink bollworm effectively.
Farmer Feedback	<ul style="list-style-type: none"> • <i>Trichogramma</i> eggs being used in their fields had saved them Rs. 1500 per acre as this amount had to be used for buying pesticides. • Pheromone traps can be used for controlling insect pest by monitoring the pest in combination with the chemical control.

Yield (q/ha)	
Demonstration	19.90
Potential yield of variety/technology	25.00
District average	158 lint Kg/ha
State average	173 lint Kg/ha

Performance of technology vis-à-vis Local check

Treatments	Yield (qtl/ha)	Net returns (Rs/ha)	B:C Ratio	Any other parameter
Demonstrated (Specify)	19.90	62420.00	2.89	% Pest incidence Aphids: 6.06 Jassids: 3.84 Thrips: 5.37 W'fly: 4.56 Pink boll: 3.45
Farmers practice (Specify)	13.44	29512.00	1.84	% Pest incidence Aphids: 10.43 Jassids: 5.58 Thrips: 7.93 W'fly: 6.27 Pink boll: 19.40

Photographs



Field Day



Training



Field Visit

