

An Alert Farmer is an Affluent Farmer

Bt cotton technology attracting younger farmers to farming in India

“Adoption and Uptake Pathways of Bt Cotton in India” - first comprehensive account of field realities of Bt cotton involving 2,400 small holder farmers across three states: Maharashtra, Andhra Pradesh & Punjab.



Bt cotton technology attracted young farmers to cotton farming in the country

1
50% & higher the number of surveyed farmers coming from the lower middle age group (21 - 40 years) in Maharashtra, Andhra Pradesh and Punjab

The survey confirmed wide-spread planting of Bt cotton

2
~95% occupied total cotton area, in the rainfed, semi-irrigated & irrigated areas

3

Bt cotton is a scale-neutral technology

It offers similar levels of protection irrespective of farmer class-OBC, SC/ST & general category



4

Bt cotton contributed to doubling of cotton yield at farm level in both irrigated and rainfed conditions

On average, Bt cotton hybrids increased yield

RAINFED
45 to **8-10**
quintals/hectare

IRRIGATED
10-12 to **22-24**
quintals/hectare

5

In the States surveyed a substantial decrease in insecticide sprays & control of the American bollworm achieved



82.8%
decrease in
insecticides



99.3%
control of
American
Bollworm

6

Profit reported by Bt Cotton farmers
National Level Rs. 41,837 per hectare

Punjab
Rs.
53,139
per hectare

Andhra Pradesh
Rs.
39,786
per hectare

Maharashtra
Rs.
32,885
per hectare

7

Bt technology has decreased pesticides usages, increased cotton productivity, & increased farmers' income & contributed significantly to poverty alleviation