

## ECONOMICS AND PRODUCTION OF Bt COTTON IN YAVATMAL DISTRICT OF VIDARBHA REGION

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**ABSTRACT :** Cotton is major cash crop in the country it is grown in rainfed as well as irrigated condition. The area belongs to Yavatmal district is identically suitable for Bt cotton cultivation and farmers of this area cultivating Bt cotton on large scale. For this study, three tahsils viz. kalamb, Babulgaon and Ralegaon were selected. Four villages were selected from each tahsil on basis of approachability to the site. From each village ten farmers were selected. Farmers were classified on the basis of farm size as small (00 to 2.00 ha) medium (2.01 to 4.00 ha) and large (4.01 and above) farmers.

Per hectare total cost of cultivation (cost C) was Rs. 22875.17 at overall level. Cost A accounted for 75.09 per cent, 78.09 per cent and 81.20 per cent of total cost in case of small, medium and large groups, respectively. At overall level proportion of cost A in total cost was 79.10 per cent. Cost B was 91.46 per cent, 94.85 per cent and 98.96 per cent in small, medium of large group, respectively whereas, overall cost B was worked out to 96.29 per cent. Gross return per ha from Bt cotton cultivation in small, medium and large group was Rs. 11589.48, Rs. 19898.90 and Rs. 23569.73, respectively. Whereas, overall gross return was worked out to Rs. 21089.01. The input output ratio for small holding group was 1:0.89, while for medium holding group it was computed to 1:0.91. It was 1: 0.94 in case of large group and 1:0.92 at overall level. The major problem faced by the Bt cotton grower were inadequate irrigation facilities and low price for Bt cotton produce.

**Key Words :** Bt cotton, Input output ratio, Cost A, Cost B Cost C.