

BIOTECHNOLOGICAL APPROACHES TO THE MANAGEMENT OF WEEDS IN INDIAN AGRICULTURE

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Weeds are an integral component of our crop production system. The competitive effects that weeds have on the production of numerous crops are well-documented in our country. Herbicides have become essential for cost-effective weed management in various crop production systems. But the lack of broad crop tolerance, potential weed shift, weed resurgence or appearance of resistant weeds, and herbicide residues resulting in carryover problems limit the broad crop use of many herbicides. Rapid advances in agricultural biotechnology provide us with new options and alternative approaches in dealing with these problems.