

A Review on Weeds Control and Herbicide Management

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Abstract: *Herbicide Management and Weed Control depend heavily on effective weed management to maintain crop quality and output. The usage of pesticides is emphasized in this abstract's exploration of weed management techniques. Integrated weed management (IWM) is a sustainable control technique that integrates mechanical, chemical, biological, and cultural techniques. When applied carefully, herbicides can be quite successful; nevertheless, abuse of them has resulted in problems like herbicide resistance and environmental challenges. Topics covered include developments in herbicide chemistry, application technology, and controlling resistant weeds. The significance of education and regulatory frameworks in encouraging sustainable weed management practices is highlighted, along with the necessity of further research and the development of integrated strategies to reduce the negative effects of herbicide use.*

Keywords: Weed control, Herbicide Management, Chemical weed control