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INTEGRATED WEED MANAGEMENT IN CHICKPEA

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For long term management of weeds in chickpea Integrated weed management (IWM) is the most beneficial option. For achieving economic and ecological goals of sustainable chickpea production with the least efforts.

Chickpeas are an important food in India, Africa and Central and South America. Pulses are the first thing that comes to mind when we talk about the nutritional security of the country. Among the pulses grown in India, chickpea ranks first in both production and area. It belongs to the legume family. The seeds are high in protein, fiber and are a good source of iron, phosphorus and folic acid.

One of the biggest challenges for growing chickpeas is weed control. Unlike cereals and oilseeds, legumes are generally not competitive with weeds and are highly susceptible to yield loss (20 to 40%) due to weed competition.

Problems Related To Weed Control in Chickpea

- ✓ Limited recommended herbicide available for chickpea.
- ✓ Continuous development of resistance in weeds against weeds.

Solution of above problem: Integrated weed management in chickpea

Integrated Weed Management (IWM)

IWM is an approach to weed management using multiple control tactics. The purpose of IWM is to incorporate many methods into the growing season to give producers the best chance to control problem weeds.

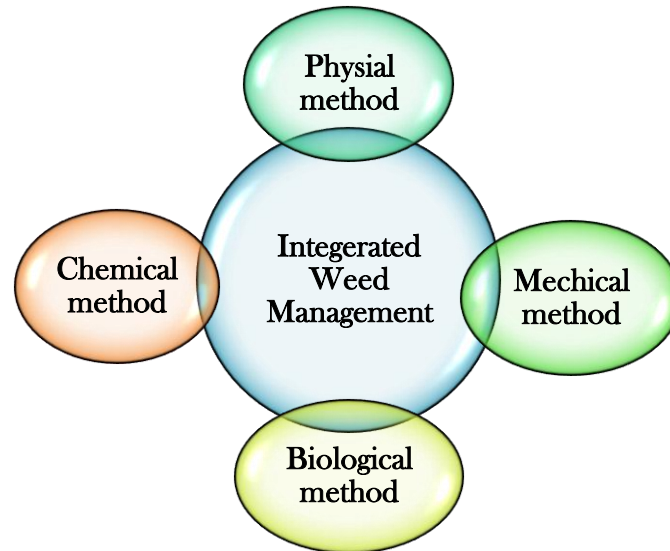


Fig. 1 Diagrammatic presentation of integrated weed management in chickpea.

Benefits of IWM in Chickpea

The advantage of IWM is that it combines different weed control methods used in agriculture and makes the best of the situation. This approach helps to find the most efficient and ecological options and avoid unnecessary use of chemicals. In addition to herbicides harming nature, crops and people, weeds tend to develop resistance to them. Even the repeated use of poisonous substances thus becomes a waste and a danger.

Conclusion

Integrated weed control is the coordinated use of different control methods, reducing reliance on herbicides alone and increasing the chances of successful control or eradication.

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