

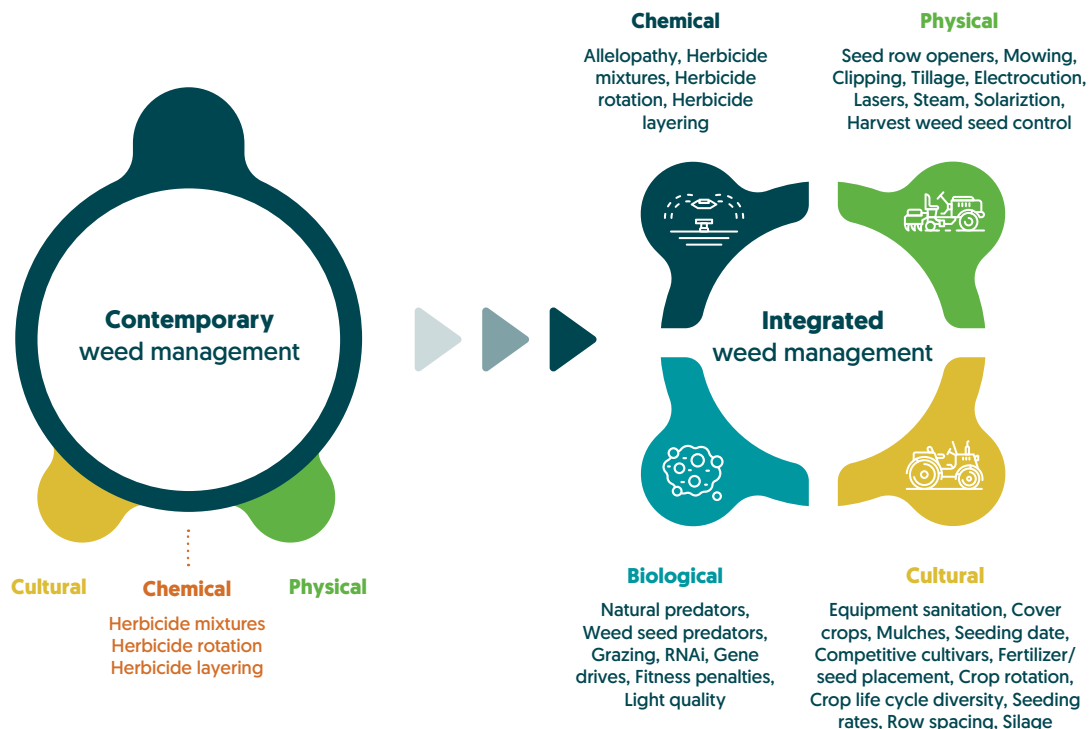
AAFC Integrated Weed Management Research in Alberta

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What is integrated weed management (IWM)?

Integrated weed management is the use of more than one weed management tactic (biological, chemical, cultural, or physical) during or surrounding a crop life cycle in the same field.



What is herbicide resistance?

Herbicide resistance is the inherited ability of a plant to survive and reproduce after being exposed to a dose of herbicide that would control a normal population of the same species.

What are the top 10 herbicide-resistant weed management (HRWM) practices?¹

10. Keep accurate records	9. Practice strategic tillage	8. Customize weed management by field	1. Ensure crop diversity is the foundation of your HRWM plan
7. Use weed sanitization practices	6. Rotate in-crop wheat and non-wheat herbicides	5. Rotate herbicide groups	
4. Use herbicide mixtures	3. Scout fields before and after herbicide applications	2. Focus on crops and practices that promote competitiveness	

¹ Beckie HJ, Harker KN (2017) Our top 10 herbicide-resistant weed management practices. Pest Manag Sci 73: 1045-1052

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