

Websites and online resources

■ Australian Herbicide Resistance Initiative

<http://ahri.uwa.edu.au>

The Australian Herbicide Resistance Initiative is a group of research leaders in herbicide resistance and its management in cropping systems carrying out research and extension to encourage sustainable cropping and weed control across Australia.

The AHRI website contains a blog, research outcomes, videos and tools to help growers better understand and manage herbicide resistance.

■ GRDC Integrated Weed Management (IWM) hub

<http://www.grdc.com.au/Resources/IWMhub>

One of the key resources in the IWM Hub is the Integrated Weed Management Manual. This manual is a road map to information, which summarises the role, use and benefits of different weed management tactics.

The many links embedded in these web pages provide access to a myriad of more detailed on-line multi media resources. These links provide access to the detailed information that readers will need on the topics being researched for on-farm adoption.

It is intended this manual will continue to evolve with links added and updated on a regular basis as new material comes to hand.

■ Weed identification (Weeds Australia)

<http://www.weeds.org.au/weedident.htm>

This online tool allows users to search for weeds by location, common name and scientific name. Search results will provide full-colour images and a detailed description for each stage of the weed lifecycle.

Control options are not included.

■ Weed Seed Wizard

<https://www.agric.wa.gov.au/weed-seed-wizard-0>

The Weed Seed Wizard is a computer simulation tool which:

- applies to all Australian grain-growing regions.
- helps growers understand and manage weed seedbanks on their farms.
- uses farm management records to simulate how different crop rotations, weed control techniques, irrigation, grazing and harvest management tactics can affect weed numbers, the weed seedbank and yields.
- uses farm-specific management and site-specific weather.
- is multi-species:
 - annual ryegrass, wild radish, wild oats, barley grass, rigid brome grass, rip-gut brome grass, fleabane and silvergrass in the southern regions
 - barnyard grass, liverseed grass, sweet summer grass, feathertop Rhodes grass, bladder ketmia, sowthistle, fleabane, cowvine and bellvine in the north.

WeedSmart

<http://www.weedsmart.org.au>

WeedSmart is an industry-led initiative to enhance on-farm practices and promote the long-term sustainability of herbicide use.

The WeedSmart smartphone application provides a simple tool to gauge herbicide-resistance and weed seedbank management.

Photo: Megan Hele