

Name of research project:	New uses for existing chemistry
Research organisation(s):	University of Qld (QAAFI), NSW DPI, University of Adelaide
GRDC Project code (Where applicable):	UQ00080
Key contacts: (Include names, phone number(s), e-mail and details of which state they reside in or are responsible for)	<p>Dr Bhagirath Chauhan (Qld) Ph: 07 4639 8838 Email: b.chauhan@uq.edu.au</p> <p>Mr Tony Cook (NSW) Ph: 02 67631250 Email: tony.cook@dpi.nsw.gov.au</p> <p>Dr Christopher Preston (SA) Ph: 08 8303 7237 Email: Christopher.preston@adelaide.edu.au</p>
Project objectives: (Brief outline of project objectives of 2-4 paragraphs)	<p>Herbicide resistance is a major problem in Australian grain cropping, reducing the herbicide choices available to growers and increasing their costs. There is a need to increase the availability and flexibility of controls for herbicide-resistant weeds, including new herbicide uses.</p> <p>This project will develop data sets for registration of new uses for existing herbicides. It will broaden the choice of herbicide uses available to growers through identifying new uses for existing registered pre- and post-emergent herbicides and getting those new uses on labels or permits. The main output of the project will be the development of new herbicide treatments for the site-specific management of feathertop Rhodes grass, awnless barnyard grass, fleabane, sowthistle, brome grass, barley grass, and wild radish present in crop and fallow situations.</p> <p>The focus in the southern region will be to find alternative options for controlling winter grass weeds. The northern region will have the objective to find alternative products or combinations of products for optical spray technology application or developing new treatments for more recently discovered glyphosate-resistant species. In the western region, work will finalise new treatments to combat wild radish.</p> <p>The results will be delivered to consultants and growers through the GRDC Farm Advisor Updates and GRDC Farmer Updates in each region, through articles in the farm press and electronic articles.</p>
Project period: Start and finish dates	Start: 1/7/2015 Finish: 30/6/2020

<p>Project outcomes and status: (Brief overview of the intended and achieved project outcomes of up to 3-4 paragraphs, as well as comments as to current project status. When developing your comments, please consider the shelf life of what is put into print and try to avoid commentary with a shorter shelf life - in preference for ones that will take longer to date)</p>	<p>The project will develop data sets for registration of new uses for existing herbicides and broaden the choice of herbicide uses available to growers through identifying new uses for existing registered pre- and post-emergent herbicides and getting those new uses on labels or permits. The main output of the project will be the development of new herbicide treatments for the site-specific management of feathertop Rhodes grass (FTR), awnless barnyard grass (ABYG), fleabane, sowthistle, brome grass, barley grass, and wild radish present in crop and fallow situations.</p> <p>The effectiveness of the project will be measured through finding new registrations of herbicide chemistry. In the project, there will be 10 new registrations of chemistry for shroud and weed detection technologies and 10 new registrations of appropriate chemistry for use in crop or in fallow as part of a double knock strategy. By 2020, a 20% increase in growers, off the baseline of the most recent grower survey, effectively using chemical weed management tools which reduce current losses and minimise control costs.</p>
<p>Links to any relevant websites or specific documents you feel are relevant and may be of interest.</p>	<p>www.dpi.nsw.gov.au/agriculture/pest-weeds/weeds www.uq.edu.au www.adelaide.edu.au</p>