Name of research project:	Targeted Tillage Currently under Australian Herbicide Resistance Initiative Phase 5 –
Research organisation(s):	QDAF, UWA, U Syd
GRDC Project code:	UWA00171 –
Key contacts:	Michael Walsh (U Syd) – 02 6799 2201 Michael Widderick (QDAF) – 07 4529 1325, Michael.widderick@daf.qld.gov.au
Project objectives:	The overall aim of this research is the development of a tillage system that can be used effectively to target low weed densities (<1 plant/10m^2) in reduced areas (<10%) of fallow and cropped fields. In particular, this system will be capable of specifically targeting weeds present as isolated plants or in discrete patches. The focus of this research is the development of a mechanical tillage implement based on a hydraulically driven rapid response tyne that is capable of effective 'spot' tillage treatment that effectively controls weed plants.
Project period: Start and finish dates	01/07/2015 – 01/07/2018
Project outcomes and status:	The engineering team at UWA have produced a test rig that will now be evaluated in the field. QDAF are conducting research on the efficacy of the test rig on the removal of key weed species feathertop Rhodes grass, awnless barnyard grass, windmill grass, common sowthistle, flaxleaf fleabane and wild oats. Efficacy is being evaluated across sites with different soil type and on weeds of different size. No results yet. USyd is doing similar field trials and I believe some testing has also taken place at UWA.
Links to any relevant websites or specific documents you feel are relevant and may be of interest.	Not yet.