

Driving research discovery in pulse legumes - current outcomes from the ARC ITRH - Legumes for Sustainable Agriculture

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Legumes for Sustainable Agriculture (LSA) is an ARC Industrial Transformation Research Hub based at the University of Sydney. LSA is co-funded by the Grains Research and Development Corporation and involves seven other university and two state government partners for a collective national research effort in confronting abiotic stress in pulse legumes. LSA's major themes are in the areas of heat, drought and salinity tolerance with below-ground traits exploring nitrogen access and symbiotic partnerships. Over the last three years, using chickpea as a model system, we have made progress in discovering new processes to identify abiotic stress tolerance which can be delivered to pre-breeding activities and eventually made available to breeders for trait incorporation to commercial germplasm improvement programs. In this talk, I'll highlight current research outcomes and the stages of our research program aimed at delivering new research tools and outcomes for the Australian Pulse Industry.