

## ANNUAL REPORT 2021

The Trustees of the AW Howard Memorial Trust met as a committee on 20 April 2021 and 16 November 2021. Advice was considered from the Trust's Research sub-committee on the awarding of Grants, Scholarships and Research Fellowships.

One **Travel Grant** of up to \$5,000 was awarded.

Name	Employer	Travel Grant Details
Gereltsetseg Enkhbat	University of WA	Present papers at 20th Australian Agronomy Conference, Toowoomba (\$3,000)

Recipients of travel grants over the last two years (Steven Bray, Mary Jane Rogers, Jed Brown, Gabrielle Lebink, Danika Parnell, Candice Jones and Ted Wolfe) had their grants withdrawn due to travel restrictions (Covid).

Two **Early-Career Research Grants** of up to \$15,000 were awarded.

Name	Institution	Details
Jonathan McLachlan	University of New England	Further understand phosphorus uptake dynamics in subterranean clover by considering the competitive ability of the legume when grown with constituent pasture grasses, and the influence of phosphorus acquisition/utilisation efficiency on atmospheric N-fixation (\$10,000)
Lucy Watt	CSIRO	Test whether forage brassicas can be grown in mixtures with other forage species to reduce the concentration of anti-nutritional compounds (i.e., nitrates) and provide animal production benefits, based on biomass production and forage nutritive value (\$15,000)

### Honours-Masters Scholarship

Nine applications were received for an Honours Scholarship (\$5,000 stipend, \$3,000 operating) and six were awarded.

Name	Institution	Details
Ben Henderson (Masters)	University of WA	Detecting secondary oestrogenic compounds in subterranean clover in field

Lachlan Godson	University of Qld	An analysis and comparative study of the growth characteristics and nutritional value of six <i>Desmanthus</i> ( <i>Desmanthus</i> spp.) cultivars for forage and silage production
Ruby Wiese	UWA	Evaluation of a novel mechanical weed control technology on common Western Australian weeds
Miranda Slaven	University of WA	Does the incorporation of crop and pasture stubble increase soil organic carbon content on the light-textured soils of Western Australia?
Kayla Nicholas	Charles Sturt University	Cost efficiency of nitrogen fertiliser on phalaris ( <i>Phalaris aquatica</i> L.) during winter in south-eastern NSW
Megan Crossing	University of Qld	Investigating the influence of fertiliser on the palatability and control of <i>Sporobolus pyramidalis</i> in sub-tropical improved pastures

### Howard Fellowship

Six applications were received for an AW Howard Research Fellowship and one was awarded. The Fellowship is valued at \$10,000 per annum until the completion of the candidate's PhD for a maximum of 3½ years.

Name	Institution	Details
Julian van der Zanden	University of WA	Genetic control of condensed tannin production in subterranean clover ( <i>Trifolium subterraneum</i> L.).

### Tim Healey Scholarship

Twelve applications were received for the Tim Healey Scholarship and two were awarded. The Scholarship is valued at \$10,000 per annum until the completion of the candidate's PhD for a maximum of 3½ years.

Name	Institution	Details
Jessica Wyse	Charles Sturt University	Characterisation of coumestans in lucerne and their effect on fertility in beef cattle
Manish Sharma	UWA	Analyse the agricultural potential of struvite as a sustainable phosphorus fertiliser

### Howard Medal and Oration

The medal presentation and oration were to take place at the Australian Agronomy conference in Toowoomba in October 2021. The conference was deferred to February 2022 due to Covid restrictions. The presentation and oration were also deferred and will still take place at the conference.

**AgCommunicators**

AgCommunicators were appointed to promote the Howard Trust, Scholarships and Awards through media, social media and email.

**Vacancy for Dean of Waite/Head of the University of Adelaide's School of Agriculture, Food and Wine**

Professor Jason Able was invited to become a member of the AW Howard Memorial Trust Management Committee following Martin Cole's resignation from the University.

**Financial Adviser**

Andrej Wojciechowski from Ord Minnett, assisted by Jeff Glasson, have continued to advise the Trust on its investment portfolio. Details are in separate Financial Statements for 2021.

Peter Appleford (Chair)

20 April 2021