



DEPARTMENT OF PRIMARY INDUSTRIES AND REGIONAL DEVELOPMENT PRIMARY INDUSTRIES DEVELOPMENT – POOL RECRUITMENT POSITION SUMMARY DOCUMENT

Department of Primary Industries and Regional Development is building its research capability to deliver greater innovation to the WA agricultural and aquaculture sector and support the WA industries and community in responding to climate change.

DPIRD is investing in developing research capability in new areas of expertise and in providing opportunities for the next generation of early and mid-career leading scientists with a wide range of expertise to strengthen the WA agriculture research ecosystem. These positions will be available state-wide.

Please refer below for information on our different business areas and the positions currently available for immediate filling.

Genetics				
Position	Level	Vacancy	Location	Summary
Research Scientist - Genetic Improvement	Specified Calling Level 2-3	2	Perth Metropolitan Area, Merredin	<p>Successful candidate will primarily undertake genetics and pre-breeding research on major grain crops in Western Australia but might also have the opportunity to breed minor and niche crops. You will work in a multi-disciplinary environment comprising trait experts, core geneticists, cell biologists, plant breeders, commodity leads, industry stakeholders and DPIRD leadership.</p> <p>We are looking for research scientists who have sound knowledge and experience in phenotyping under field, glasshouse and controlled environmental conditions, genotyping, molecular data analysis and gene manipulation. Up-to-date knowledge of relevant research technologies, awareness of industry issues and ability to adjust research program accordingly will be important. Travel to different locations will be required.</p> <p><i>Refer to JDF SCL2 Research Scientist PID & JDF SCL3 Research Scientist PID attached to the advert</i></p>



Crop Science and Grain Production

Position	Level	Vacancy	Location	Summary
Research Scientist - Crop Science	Specified Calling Level 2-3	1	Geraldton	<p>The successful applicant will work as part of DPIRD's wheat agronomy team with other scientists based in Merredin, Katanning, and Esperance, as well as with the broader Crop Science team. They will conduct research on issues relevant to the wheat industry through field, glasshouse, and laboratory experiments; contribute to the development of wheat agronomy research priorities and planning wheat agronomy research programs; and extend research results to growers and industry. There may be opportunities to collaborate in agronomy research on other crops, including lupins, pulses, barley, oats, and canola.</p> <p>We are looking for a research scientist with a sound knowledge of agronomy, soils, crop physiology, and WA farming systems. Skills in experimental design and analysis, and experience in field-based agronomy research are required. Travel to different locations will be required.</p> <p><i>Refer to JDF SCL2 Research Scientist PID & JDF SCL3 Research Scientist PID attached to the advert</i></p>



Soil Science

Position	Level	Vacancy	Location	Summary
Research Scientist - Soil Science	Specified Calling Level 1-3	1	Northam or Merredin	<p>The successful applicant will work as part of DPIRD's Soil Science and Crop Nutrition team with other scientists based in Geraldton, Katanning, Albany, and Esperance.</p> <p>We are looking for an enthusiastic research scientist with a good knowledge of soils and WA farming systems. Skills in experimental design and analysis, and experience in field-based crop research are required. Travel to different locations will be required.</p> <p>Knowledge and/or experience in agricultural engineering is desirable. The position will suit someone who can work independently, assume responsibility, and also work as an effective team member. The ideal candidate will have excellent communication skills and be able to work effectively with co-workers, collaborators, and growers.</p> <p><i>Refer to JDF SCL1 Research Scientist PID & JDF SCL2 Research Scientist PID & JDF SCL3 Research Scientist PID attached to the advert.</i></p>



Water science

Position	Level	Vacancy	Location	Summary
Research Scientist - Water Science Program (Agriculture Resource Management and Assessment)	Specified Calling Level 3	1	Perth, Bunbury or Albany	<p>A position is available for a mid-career Research Scientist with experience in water science and catchment hydrology, with skills in hydrological systems analysis, including modelling and spatial analysis. You will be working alongside experienced research scientists and development and extension officers, both within DPIRD and with partner organisations including WA Universities and Grower groups.</p> <p>The successful applicant will undertake research and development activities including improving our understanding of the land use and climate impacts on water supplies/needs for agriculture in Western Australia, and the assessment of new water sources including evaluation of enhanced runoff, brackish groundwater supplies and desalination technology. The position will also assist the Commissioner for Soil and Land Conservation in the assessment of catchment water management schemes as required.</p> <p><i>Refer to JDF SCL3 Senior Research Scientist FARM attached to the advert.</i></p>
Research Scientist	Specified Calling Level 1	1	Perth, Bunbury or Albany	<p>An early-career position is available for a Research Scientist with a degree in hydrology or agricultural science, as part of the Water Science team, and initially within the WaterSmart Farms project. WaterSmart Farms is an initiative of the WA Government to develop and test fit-for purpose water supply options for agriculture. It seeks to develop climate resilient on-farm water supplies, with a primary focus on enhanced runoff capture, Reverse Osmosis desalination and exploration for supplies of brackish groundwater.</p> <p>You will be undertaking field work and analysis and working alongside farmers and experienced research scientists, who will provide guidance and mentorship, as well as working with experienced researchers and extension specialists within partner organisations including WA Universities and Grower Groups.</p> <p><i>Refer to JDF SCL1 Research Scientist FARM attached to the advert.</i></p>



Dryland Farming Systems and Climate Resilience Taskforce

Position	Level	Vacancy	Location	Summary
Research Scientist - Applied agronomy and farming systems	Specified Calling Level 1-2	5	Katanning, Merredin & Geraldton	<p>Successful applicants will undertake research and development activities focussed on management of farming system risk and improving profitability of broadacre crop dominant systems in the medium and low rainfall regions of Western Australia as members of the joint DPIRD/GRDC Western Australian Farming Systems investment team. Through investigating innovative agronomy, technology and management practices the research will build climate resilience through enabling farming system adaptation and transformation.</p> <p>Key research themes include to 1) increasing farming system rotational diversity, 2) managing the risk and opportunity of changing seeding windows and sowing opportunities and 3) understanding the greenhouse gas emission implications of current and changing farming systems. Work will involve field and laboratory-based research, small plot and farm scale trials and review and analysis of current and past research.</p> <p>Successful applicants will work closely with growers and industry using participatory R&D processes. You will consult and engage with these networks to understand key strategic drivers of system change, identifying priority research, development and extension activities and testing and seeking feedback on research outcomes to ensure research results support on-farm practice change.</p> <p><i>Refer to JDF SCL1 Research Scientist PID & JDF SCL2 Research Scientist PID attached to the advert.</i></p>



Dryland Farming Systems and Climate Resilience Taskforce

Position	Level	Vacancy	Location	Summary
<p>Research Scientist - Bio-economic modelling</p> <p>Research Scientist - Biometric modelling</p>	Specified Calling Level 1-2	4	Northam or Perth Metropolitan Area	<p>Using bioeconomic and biometric methodologies you will analyse farming system innovations to understand their economic and biological impact in a range of scenarios including under different climate scenarios. There will be a focus on understanding the whole farm economic impact of systems changes and analysis of risk and opportunity costs of alternate management strategies and operational decisions.</p> <p>Biometric analysis skills will be applied to design complex trials, ensuring scientific validity and analysing data to understand the significance of different treatments on trial outcomes. Skills in biometrics, whole farm economic analysis, natural capital accounting, greenhouse gas scenario assessment preferred. Successful applicants will join the project team delivering the DPIRD/GRDC Western Australian Farming System investment.</p> <p>There are also roles with the Climate Resilience Taskforce available, including the Agriculture Sector Emissions reductions Strategy project.</p> <p>Refer to <i>JDF SCL1 Research Scientist PID & JDF SCL2 Research Scientist PID</i> attached to the advert.</p>
Development Officer	Specified Calling Level 2-3	1	Perth Metropolitan Area	<p>As a Development Officer you will work as part of a team to actively prepare, promote and disseminate extension material including research results and best practise methodologies to producers, industry and the wider scientific community. You will guide the development of transformative farming systems as part of a sustainable farming system and help promote industry development and gather market intelligence through building relationships with grower groups, natural resource management groups, extension specialists and consultants.</p> <p>To be successful in this role, you will need to demonstrate the ability to carry out scientific research and development activities relevant to transformative farming systems, have well developed interpersonal communication skills and</p>



Dryland Farming Systems and Climate Resilience Taskforce

Position	Level	Vacancy	Location	Summary
				<p>have a sound understanding of the WA's broadacre industries and an appreciation of the supply chain. Understanding of concepts around low emissions farming systems, biological farming and soil health would be advantageous.</p> <p><i>Refer to JDF SCL2 Development Officer PID & JDF SCL3 Development Officer PID attached to the advert.</i></p>

Livestock

Position	Level	Vacancy	Location	Summary
Research Scientist	Specified Calling Level 1-2	1	All regional locations	<p>As a research scientist you will work as part of a team to participate in research projects that will help the sustainable development of the WA sheep and beef industries. You will identify opportunities to conduct research projects in collaboration with industry and university partners. You will also communicate the results of research to industry groups, farmer, and other agricultural research and development organisations.</p> <p>To be successful in this role, you will need to demonstrate the ability to carry out scientific research and development activities relevant to livestock industries, have well developed interpersonal communication skills and have a sound understanding of the livestock industries and an appreciation of the supply chain.</p> <p><i>Refer to JDF SCL1 Research Scientist PID & JDF SCL2 Research Scientist PID attached to the advert.</i></p>



Livestock

Position	Level	Vacancy	Location	Summary
Development Officer	Specified Calling Level 1-2	1	Geraldton, Moora, Kalgoorlie or other regional location	<p>As a Development Officer you will work as part of a team to actively prepare, promote and disseminate extension material including research results and best practise methodologies to producers, industry and the wider scientific community. You will guide the development of livestock industries as part of a sustainable farming system and help promote industry development and gather market intelligence through building relationships with grower groups, extension specialists and consultants.</p> <p>To be successful in this role, you will need to demonstrate the ability to carry out scientific research and development activities relevant to livestock industries, have well developed interpersonal communication skills and have a sound understanding of the livestock industries and an appreciation of the supply chain.</p> <p><i>Refer to JDF SCL1 Development Officer PID & JDF SCL2 Development Officer PID attached to the advert.</i></p>



Plant Pathology

Position	Level	Vacancy	Location	Summary
Research Scientist - Plant Pathology	Specified Calling Level 1-2	1	Northam	<p>A position is available for a Research Scientist with knowledge and experience in broadacre plant pathology. The successful candidate will undertake research activities focussed on the control of major diseases in cereal, oilseed and pulse crops, initially focusing on net blotches in barley, blackleg in canola and sclerotinia in canola and legume crops in Western Australia.</p> <p>We are looking for a research scientist with sound knowledge and experience in the use of plant pathology methodology to recognise and diagnose fungal pathogens on plant material in the field and laboratory, in culture, and microscopy skills for identification of spores captured in spore traps.</p> <p>Skills in the design and management of field, glasshouse or controlled environment experiments is required with specialisation in plant disease experiments preferred. Up-to-date knowledge of relevant research technologies, awareness of industry issues and ability to adjust research program accordingly will also be important. Travel to different locations will be required.</p> <p><i>Refer to JDF SCL1 Research Scientist PID & JDF SCL2 Research Scientist PID attached to the advert.</i></p>