

JOB DESCRIPTION

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| Position | Research Scientist – Wheat Quality & Processing |
| Classification | Common Law Contract |
| Award agreement | Not applicable |
| Location | AEGIC D Block, South Perth, Western Australia |
| Positions supervised | 0 |
| Supervisor | Wheat Quality Technical Markets Manager |
| AEGIC's Mission | To increase value in the Australian grains industry. |
| AEGIC's Vision | Australia's leading organisation for market insight, innovation and applied technology in the grains industry |

1 FUNCTIONS OF THE POSITION

The Research Scientist – Wheat Quality is a member of the Grain Quality Processing Technology Innovation Portfolio supporting the Wheat Quality Program. This position assists AEGIC to capture new opportunities, maintain market share in traditional markets and enhance the international competitiveness and value of Australian grain through leadership in wheat baking quality and processing requirements and technology innovation in South East Asia.

Key functions:

- Carry out effective predictive analysis and implementation of methods that relate to end-product quality requirements of end-users.
- Provide unsupervised technical support for research surveys and laboratory activities including grain and flour quality testing, dough rheology and end-product assessment in a multi-disciplinary team environment.
- Participate in the implementation and evaluation of procedures and operations and assist in general laboratory maintenance activities.
- Contribute to the identification, implementation or development of innovative processes and methods to enhance the use of Australian wheat and ensure that Australian wheat meets end-user requirements.
- Use inherent understanding of wheat quality, processing and the relationship between wheat quality processing and end-product quality.
- Provide technical expertise in wheat quality and processing technology research, particularly addressing the baking and Asian style products quality and processing requirements of South East Asian countries.
- Contribute, through knowledge of science, technology, and innovation, to growing the understanding, value, and volume of the Australian wheat industry through interaction with key stakeholders in the value chain.
- Contribute to baking and noodle technology and grain wheat attribute developments and promote the timely adoption of new and innovative processing technologies that enhance the market competitiveness of Australian export wheat.

This position plays a critical role in achieving AEGIC's vision and will positively contribute to the development and maintenance of AEGIC's organisational values and culture.

2 ORGANISATIONAL CONTEXT

AEGIC activities cover wheat, barley, oats, oilseeds and pulses. AEGIC provides an independent source of Australian grain quality information, analysis and technical support to grain producers, customers of Australian grains and other stakeholders in the grain supply chain. The prime beneficiary of the work undertaken by AEGIC is the Australian grain grower. AEGIC was established in November 2012 and has offices and laboratories in Perth, Western Australian (headquarters) and Sydney, New South Wales.

3 KEY DUTIES & RESPONSIBILITIES

3.1 Research in wheat baking and Asian style products quality product development for Asian markets

- Initiate and execute the completion of bread quality and baking related research projects that lead to improved processing efficiency, growth and market confidence.
- Initiate and execute the completion of Asian style products quality and baking related research projects that lead to improved processing efficiency, growth and market confidence.
- Contribute to the development of new and innovative baking technologies using Australian wheat.
- Prepare reports from various research trials, including data collection, analysis and interpretation.
- Contribute to the development and delivery of in market workshops.
- Preparing applications for internal and external funding of grain/quality technical projects.
- Maintain awareness of global trends in baking and Asian products technology and changes occurring in these industries worldwide through interactions with:
 - International flour milling companies / markets particularly those outside immediate reach to Australian exports, e.g. Europe, USA, Middle East, and Africa.
 - Domestic flour milling and baking industry.
 - SEA flour milling, bread and noodle markets
 - NA flour milling, bread and noodle markets
 - Baking and noodle equipment manufacturers.
 - Other international and local research organisations.
- Stay abreast of the latest scientific developments in grain quality through researching scientific and patent literature, competitive intelligence of other grain exporting nations, and value-add commercial applications in domestic and international markets, in particular South East Asian market and pipeline developments particularly as they relate to wheat and grain quality for baking and noodle making;
- Seek commercial pathways for R&D outcomes. Initiate and develop commercial R&D portfolio of activities, as they relate to baking and noodle making.

3.2 Technical extension and stakeholder engagement

- Prepare and develop training packages to cater for different segments of the supply/value chain (e.g. breeders, growers, traders, users of Australian wheat) as well as seminars and workshops targeted at end-users of Australian grains.
- Liaise with universities and research institutions to discuss grain quality trends, needs and initiatives as they relate to baking as and noodle quality.
- Contribute to:
 - Hosting inward visitors to AEGIC and preparing and providing technical (grain quality) presentations.
 - Working cooperatively with external technical and other consultants; and
 - Delivery in-market (baking and noodle making) activities including commercialisation of R&D outcomes.

3.3 Regulation and policy compliance

- Apply risk management principles and processes to relevant work activities.
- Undertake all activities in compliance with state and federal legislation and regulation including but not limited to the Occupational Health & Safety Act 1984 (WA), Western Australia Equal Opportunity Act 1984 (WA), Privacy Act 1988 (Cwlth) and the Fair Work Act 2009 (Cwlth).
- Apply any confidentiality, privacy, records management or intellectual property provisions to information management.
- Cooperate with all AEGIC protocols and procedures of the CEO including any relating to health or safety at the workplace.
- Identify, remove and report any work health and safety risk, hazard or incident to the Health and Safety Representative/Committee.

3.4 Our values

- Act in accordance with AEGIC's values demonstrating the behaviours defined in our values touchstone.

3.5 Other

- Undertake domestic and international travel as required;
- Other duties as required.