

JOB DESCRIPTION

Position	Baking Research Scientist
Classification	Common Law Contract
Award agreement	Not applicable
Location	AEGIC D Block, South Perth, Western Australia
Positions supervised	2-3
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 Baking Research Scientist 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:

- Use inherent understanding of grain quality, processing and the relationship between grain quality processing and end-product quality;
- Provide technical expertise in wheat quality and processing technology research, particularly addressing the baking 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 technology and grain quality attribute developments and promote the timely adoption of new and innovative processing technologies that enhance the market competitiveness of Australian export grain.

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 quality product development for South East Asia

- Initiate and manage the completion of bread 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 technology and changes occurring in the baking industries worldwide through interactions with;
 - 1) International flour milling and baking markets particularly those outside immediate reach to Australian exports, e.g. Europe, USA, Middle East, and Africa;
 - 2) Domestic flour milling and baking industry;
 - 3) Baking equipment manufacturers; and
 - 4) 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 markets

and pipeline developments particularly as they relate to grain quality for baking and the baking industry;

- Seek commercial pathways for R&D outcomes. Initiate and develop commercial R&D portfolio of activities, as they relate to baking.

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 bread quality and baking;
- Contribute to:
 - 1) Hosting inward visitors to AEGIC and preparing and providing technical (grain quality) presentations;
 - 2) Working cooperatively with external technical and other consultants; and
 - 3) Delivery in-market (baking) activities including commercialisation of R&D outcomes;
- Disseminate technical information to the value chain concerning the quality and functional attributes of Australian wheat.

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;
- Complete of timesheets;
- Other duties as required.