

Industrial Research & Engineering Support Assistant in Agricultural Spray Technologies

Job Description

• Company Profile

- Agricultural Magnetics Limited (AML) is a Dublin based technology company that provides innovative and practical solutions for the agricultural and food sectors. The patented spraying technology known as MagGrow developed by AML allows end users to reduce their chemical and water usage during the pesticide spraying application and also increase yields in the process.
- In seeking to extend its research and development capability AML have formed a UK company, MagGrow UK Ltd and are now in the process of setting-up an Industrial Research & Engineering Support unit, in collaboration with Harper Adams University, Engineering Department. An initial one-year agreement will cover the setting-up process and the formative day-to-day activities that will provide a support service for MagGrow and the collaborative development of a spray research laboratory. An Industrial Research & Engineering Support Assistant is sought to assist this development on a salaried position basis, comprising a six month probationary period, salary level and benefits depending upon progress.

• Position Title

- MagGrow Industrial Research & Engineering Support Assistant

• Reports To

- MagGrow Head of Crop Science & MagGrow Research Consultant
- Because of MagGrow-Harper Adams University agreement additional reporting will be to the University Laboratory Manager, while working on University premises.

• Main Purpose/Key Objective of the Role

- To assist the setting-up and development of the Industrial Research & Engineering Support Unit, with day-to-day responsibilities for contributing to, and implementing collaborative activities and MagGrow support as directed in the the development programme.
- To exercise a participative role in formulating the on-going activities of the Unit, with a particular focus on research and the prospect of pursuing a research degree in agricultural spraying or spray testing.
- To assist in day-to-day research activities and system developments, as directed by MagGrow appointed representative.
- To assist in developing modelling support and foundational training in magnetics associated with agricultural spraying (including proposals for KTPs).
- To engage in developing a grounding in agricultural spray development, systems innovation and testing.

- To provide a platform for career and professional development and innovation.

● **Key Accountabilities**

The Industrial Research & Engineering Support Assistant will be responsible for:

- Implementing and maintaining day-to-day contact with MagGrow, Dublin, main office with regard to monitoring, management and response to support request and reporting Unit progress and communications with Dublin team members.
- Assist in developing a monitoring service for MagGrow on new developments and issues in the field of agricultural spraying (eg polyelectrolyte spraying, polyacrylamide spraying...nozzle design..), issuing, as appropriate, technical notes on the issues concerned.
- Assist in developing laboratory spray testing facilities in collaboration with Harper Adams University representatives, including the care and basic maintenance of laboratory equipment and laboratory premises.
- Care and basic maintenance of equipment loaned by MagGrow to University.
- Assisting in industrial research and engineering support activities, as directed by designated MagGrow staff or MagGrow representative.
- Operate in compliance with company Quality Management System (QMS)
- Produce risk assessments for support activities and work in accordance with prevailing Health & Safety (H&S) regulations and guidelines.

● **Key Skills/Attributes**

- Graduate or equivalent, ideally with Degree in Agricultural Engineering
- Creative and innovative approach to problem solving
- Ability to contribute creatively to progressing an on-going support unit
- Experience in fluid dynamics, modelling and programming would be an advantage
- Excellent communication and organisational skills
- Commitment to continuing professional development, including the acquisition of new skills and knowledge base appropriate to the needs of the appointment
- Ability to self-motivate and deliver to agreed deadlines

● **Role Particulars**

- Salaried position, with a six month probationary period, salary level and benefits depending upon progress. Basic package to be agreed.
- UK Based, with possible travel to Dublin

If interested please send your C.V. to andrea.moore@maggrow.com.