An exciting opportunity has arisen for an enthusiastic individual with a PhD in Precision Agriculture, Agricultural Engineering, Agronomy, Agri-informatics, or other Engineering disciplines with special experience in proximal or remote sensing of soil and crop and modelling, data mining and mapping (equivalent in professional qualifications and experience). Knowledge about soil-crop interaction, crop response to nitrogen fertiliser and variable rate applications is desired.

You will be responsible for carrying out field measurement of soil and crop characteristics in selected sites in the UK, data analysis and modelling using multivariate linear and non-linear tools of soil visible and near infrared (vis-NIR) spectra, and data fusion including geostatistical analyses and mapping of spatial variability. Recommendations for variable rate application of nitrogen fertiliser will be developed and implemented by underground fertiliser injectors.

The position is part of a project jointly funded by Technology Strategy Board (TSB) and Biotechnology and Biological Sciences Research Council (BBSRC), entitled \textit{Tru-Nject: Proximal soil sensing based variable rate application of subsurface fertiliser injection in vegetable/combinable crops}.

You will need to have practical, working experience in the area of Precision Agriculture, Proximal or Remote Sensing, and Modelling and Data Mining, with experimental design, execution of experiments and experimental data analysis. You must have experience of undertaking field sampling and/or monitoring in the context of Agriculture.

For an informal discussion regarding this position, please contact Dr. Abdul Mouazen. T: 01234 750111 ext 2701, E: a.mouazen@cranfield.ac.uk

Apply online now at www.cranfield.ac.uk/hr or contact us for further details on E: hr@cranfield.ac.uk or T: +44 (0)1234 750111 ext 8099. Please quote reference number 1780.

Closing date for receipt of applications: 5 April 2015
Expected interview date: w/c 13 April 2015