

Job offer: Researcher for the MASTER project

Measures and innovative techniques to reduce dust drift of plant protection products from applications of coated seeds

In the division MeBioS of the K.U.Leuven a position is available for a motivated doctoral researcher with a keen interest in modelling. Are you ready to conduct world-class research in a dynamic multidisciplinary team? Are you willing to obtain a PhD? Do you want to expand your horizon in an international environment? E-mail your CV – we will contact you soon.

Description

The MASTER project aims to quantify the risks of dust drift of plant protection products from applications of coated seeds. A combined experimental and modeling approach is applied. The end goal is to provide measures and innovations for seed drilling.

The candidate will be involved to achieve these goals by means of the development of:

- A model that predicts the behavior of dust in seed drillers to study effects of machine design and operational parameters on dust generation;
- A model that predicts the dust movement in the environment to study the effects of environmental conditions on dust drift;
- Design and implement innovations on seed drillers and measures for seed drill operations.



This research should result in:

- A better use and/or adaptations to existing seed drillers and/or the development of new machines;
- Guidelines for drift-reducing measures during seed drill operations;
- A dust drift model to evaluate and optimize seed drill operations as a function of seed quality, seed drilling technique and environmental conditions.

Profile

We are looking for an enthusiastic candidate with preferably a Master degree in (bio-)engineering sciences, with a keen interest in mathematical modelling.

Contact

Dr. Pieter Verboven
Division MeBioS – Dep. Biosystems – K.U.Leuven
Pieter.verboven@biw.kuleuven.be
Tel. +32 16 321453
Fax. +32 16 32.2955
<http://www.mebios.be>