

We have opened a search for a sugarcane statistical geneticist to be located in Brazil. The job description is:

Large scale analyses of plant breeding data (markers, phenotypes & pedigree) to support Monsanto's sugarcane breeding effort

- Develop generalized procedures to evaluate and improve the effectiveness of sugarcane parent & variety selection and testing programs at different stages of product development and optimize product placement strategies.

- The selected candidate will be able to:

- Coordinate a group of researchers to develop and test enhanced methods of predicting the performance of populations, lines, and hybrids.

- Provide written and oral presentations to peer and management groups

- Provide solid interpretation and recommendations based on quantitative data analysis to drive improvements to the existing breeding practices.

- Ph.D. in plant breeding, genetics or statistics, or equivalent experience with expertise in the application of plant quantitative genetics methodology.

- Excellent quantitative skills including experience in the use of commercial statistical software (e.g., SAS, R, ASREML, etc.) or custom (Fortran, C++, C#, etc.) programs for the design and analysis of experiments, and experience working with large databases is required.

- Previous experience with mixed-model methods for genetic evaluation is a plus.

- Significant experience in marker-assisted selection, molecular breeding or genomic selection

- Strong understanding of plant breeding

- A solid foundation in statistical theory and with a strong interest in applied statistical analysis methodologies