Job Title: Soybean Germplasm Enhancement Breeder
Requisition #: 01Q0E
Description:
Monsanto is seeking highly a motivated individual to become an integral member of a multidisciplinary breeding team. The Soybean Germplasm Enhancement Breeder is responsible for the development of high performing germplasm with a focus on agronomic traits such as yield, standability and disease tolerance.

Twenty years from now, the earth's population will need 55% more food than it can produce now. Today, Monsanto is working with farmers around the world to help them increase yields in a sustainable way. In over 60 countries, Monsanto has established industry-leading products because we give professionals the freedom to make real decisions. Monsanto is an Employer Of Choice with an outstanding professional development program and a history of building careers. Make an impact by joining the team that is working to solve one of mankind's greatest challenges.

The Germplasm Enhancement Breeder will directly interact with key partners throughout Monsanto Technology, including field testing, data science, engineering, molecular breeding, logistics, trait integration, and product characterization. This role offers the opportunity to work with the world's largest global germplasm pool and incorporate advanced marker-assisted breeding tools to develop superior varieties.

Responsibilities:
- Develop a deep understanding of both internal and external germplasm resources and a strategy to exploit that germplasm
- Manage a breeding pipeline from new breeding populations through early stages of field testing to deliver high-performing/diverse lines that will be the engine for future genetic gain
- Champion the use of diverse germplasm as breeding parents and as recurrent parents for trait conversion
- Collaborate with the Native Trait Integration team to identify and map unique native traits
- Drive development and implementation of logistics improvements, new technologies, IT tools, and data science
- Act as key liaisons with external breeding organizations; take leadership roles in public breeding associations
- Fully participate in staff development at the station

Required Skills/Experience:
- PhD in Plant Breeding, Genetics, Crop Science or related field of study
- Strong background in plant breeding, molecular genetics, field plot technique and statistical analysis, molecular biology and molecular marker applications.
- Familiarity with data science and computer programming and a demonstrated ability to perform data analysis with large datasets
- Demonstrated experience working collaboratively to achieve common goals

Desired Skills/Experience:
- Experience with automated phenotyping/remote sensing and the interpretation of imaging data