



PASSION TO INNOVATE | POWER TO CHANGE

CROP SCIENCE – PIPELINE BREEDER

YOUR TASKS AND RESPONSIBILITIES

The Pipeline Breeder is an individual who is passionate about crop improvement to develop high-performing germplasm while working in a cooperative model. She/He is responsible for the development of improved inbred lines with a focus on agronomic traits such as yield, stress tolerance, standability and disease tolerance as appropriate. The pipeline breeder will be responsible for the development of new hybrid combinations using company proprietary coded inbred lines as well as managing the product pipeline towards target product concepts.

In line with Bayer's values of "Science for a better life" the incumbent will be expected to work across global regions to execute the appropriate experiments that will thoroughly evaluate germplasm to achieve commercial portfolio targets. In addition to fostering the breeding pipeline through close collaboration with logistics, operations, molecular laboratories, and advanced phenotyping teams, the individual is also expected to explore new breeding methodologies and technologies that will revolutionize the plant breeding process

- Jointly manage breeding program, by participating to all decisions along the breeding process from population selection to hybrid advancement up to the commercial stage.
- Manage a breeding pipeline from population creation through field testing to evaluate and advance the highest performing germplasm
- Win together globally by being a key partner with members of the EMEA team to deliver our strategic initiatives on a regional and global level, to achieve the global breeding vision of improving lives through better harvests.
- Develop and utilize latest breeding technologies to develop step changes lines and superior hybrids for market segments designing a line development breeding strategy with a focus on breeding start design and line development.
- Design an evaluation strategy, analyze phenotypic data across locations and seasons, apply state of the art advancement and prescriptive playbooks, and position high performing hybrids into systems and tailored solutions
- Analyze phenotypic and breeding data across locations and seasons, proposed advancement of high performing hybrids and inbred lines, and characterize germplasm

Application Period

25 March 2020 – 8 April 2020

Reference Code

CS/BREEDER/SAFRICA

Division

Crop Science

Company

Bayer (Pty) Ltd

Department

Breeding

Location

Petit

Functional Area

Breeding

Position Grade

VS1.2

Employment Type

Permanent



response and positioning for target product concepts fitting South African market demands

- Support and drive collaborative breeding efforts with other breeding programs regionally and globally. Work closely with EMEA and Global breeding teams, the global breeding support and enabling teams, data and predictive analytics teams
- Assist with the implementation of data science and analysis and digital pipeline in the program. Define and continuously improve breeding schemes to maximize realized genetic gain in the pipeline
- Ensure that the research team is trained and compliant with the HSE policies to ensure safe operations of the research program.
- Strong project management skills managing complex, multi-faceted projects resulting in measurable successes and program growth.
- Network with breeding functions to ensure pipeline target delivery and solutions to farmers. Develop a thorough knowledge of the products in the region to provide input on the product development process.
- Leads global projects in breeding and foster new methodologies in plant breeding and retention of research support personnel

WHO YOU ARE

Experience & Qualifications

- PhD in Plant Breeding and Genetics or equivalent or MSc with 5 years experience

Skills & Knowledge

- Strong background in plant breeding, quantitative genetics, experimental design, statistical analysis or engineering, and molecular breeding
- Strong background in genetics, field plot technique, knowledge of statistical theory, populations genetics and innovation creation
- Management experience in an agricultural-related research position
- Demonstrated success in developing and evaluating complex programs, selecting and effectively implementing innovative programs
- Analytical and IT proficiency
- Excellent leadership and people skills, effective verbal and written communication, and ability to thrive in a team based work environment
- Experience working with multidisciplinary teams
- Project and program management
- Leadership skills and team/people management
- Networking through change and understanding business strategies across teams
- 3-5 years of experience in breeding



CONTACT US

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**Please indicate the position
reference number in your
subject line of your application
email.**

