

Job Opening

Technician - Technician 5 (AESES) - Requisition No 31945

Location :	Full Time :	Posting End Date :
Plant Science	Yes	Apr/15/2024
Expected Start Date :	Permanent :	
Jun/03/2024	Yes	

Job Description :

Technician - Technician 5 (AESES)
Existing Grant-Funded Continuing Full-Time
35.00 hours/week Monday to Friday 8:30 am - 4:30 pm
Salary Range: \$27.97 - \$40.18 per hour (\$50,905.40 - \$73,127.60 per annum)
Proposed Start Date: June 3, 2024
Trial/Probation Period: 840.00 work hours

For more information, please contact:
Dr. Robert Duncan
222 Agriculture Bldg
204-474-6076 or rob.duncan@umanitoba.ca

Responsibilities :

- Plan and design field and greenhouse/growth room experiments (directing multiple technicians in these areas).
- Plan and produce computerized plans, envelopes, labels, books and harvesting tags for field and greenhouse material.
- Define, collect and interpret data.
- Compile data and perform statistical analyses.
- Prepare graphs and charts suitable for publication.
- Compile and prepare data required for Rapeseed/Canola Variety Registration.
- Train and assist graduate students on experimental design, data collection, and statistical evaluation.
- Coordination of the different components involved in the Brassica breeding program.
- Oversee the greenhouse breeding program (1 technician) and the field-testing program.
- Create and maintain databases, including characterisation and inventory, for all material produced in the greenhouse.
- Create and maintain databases, including characterisation and inventory, for all field grown material.
- Prioritize samples to be analyzed in the oilseed quality lab and compile results.
- Select and submit lines to the plant pathology lab for field and greenhouse disease evaluation and compile results.
- Select and submit samples to the plant genomics laboratory and compile results
- Train and assist graduate students on greenhouse production of rapeseed/canola
- Coordinate variety testing with private sector and the Canola Council of Canada
- Prepare technical papers for publication in consultation with supervisor
- Plan and coordinate team meetings.
- Work closely with PIs, graduate students and PDFs in coordinating and supporting their projects set out in the grants.
- Design, prepare, and coordinate summer field testing with Industry partners and all associated communication.
- Design, prepare, and coordinate winter seed production nurseries with Industry partners and all associated communication.
- Create and maintain budgetary statements for yearly progress reports.
- Compile project and personnel updates for yearly progress reports.
- Prepare material for teaching lab sections related to plant genetic, plant breeding and crop production courses.
- Other related duties as required.

Qualifications :

MINIMUM FORMAL EDUCATION/TRAINING:

- B.Sc in agriculture related discipline required.
- Valid driver's license required.

EXPERIENCE:

- Five years of directly-related experience required.
- Conducting and design of plant breeding and agronomic field research required.
- Greenhouse experience relating to rapeseed and canola plant breeding programs required.
- Knowledge and experience in genetics and plant breeding required.
- Must be competent in use of computers and statistical analysis of scientific data.
- Experience with Genovix, Excel, Word, and SAS software programs required.
- Must have lab experience in marker-assisted selection.
- Experience with GIS software would be an asset.
- An acceptable equivalent combination of education and experience may be considered.

SKILLS AND ABILITIES:

- Current working knowledge of common agricultural crop production practices used in Western Canada (small grains, oilseeds, legumes, row crops, and forage crops) required.
- Agronomic research techniques (planting, spraying, experimental setup) required.
- Excellent communication skills required.
- Extensive attention to detail, sense of responsibility and willingness to learn new techniques and administer specific phases of research required.
- Exercise sound judgment when solving field/greenhouse research problems required.
- Work both independently and as a member of a team required.
- Ability to coordinate a summer field research program required.
- Ability to multi-tasking and time management required.
- Physically capable of performing the duties as assigned, which may include mobility (walking, kneeling, bending), moderate to heavy lifting (25 kg seed or fertilizer bags), and working outside in hot/v
- Satisfactory work record, including satisfactory attendance and punctuality, is required.

OTHER JOB-RELATED QUALIFICATIONS:

- Good interpersonal skills. Sense of responsibility, highly organized and a strong team player.

Additional Information :

The University of Manitoba is committed to the principles of equity, diversity & inclusion and to promoting opportunities in hiring, promotion and tenure (where applicable) for systemically marginalized groups who have been excluded from full participation at the University and the larger community including Indigenous Peoples, women, racialized persons, persons with disabilities and those who identify as 2SLGBTQIA+ (Two Spirit, lesbian, gay, bisexual, trans, questioning, intersex, asexual and other diverse sexual identities).

If you require accommodation supports during the recruitment process, please contact UM.Accommodation@umanitoba.ca or 204-474-7195. Please note this contact information is for accommodation reasons only.

Application materials, including letters of reference, will be handled in accordance with the protection of privacy provisions of "The Freedom of Information and Protection of Privacy Act" (Manitoba). Please note that curriculum vitae will be provided to participating members of the search process.

Apply