

HumaPost Research Specialist

Location: *Alberta, Canada*

Job Type: *Full-Time*

Compensation: *Competitive and based on experience*

Execute Research for Humic-Enhanced Compost Systems

Build the Data Behind a New Product Platform

Black Earth develops advanced soil and crop input technologies built from the world's highest quality Humalite deposit in Alberta, Canada. This unique resource produces highly active humic substances with exceptional purity and consistency. Our technologies improve nutrient efficiency, soil structure, and crop performance under real field conditions.

We are expanding into organics with HumaPost, a humic-enhanced compost designed to improve composting performance and increase the value of the finished product.

We are seeking a high-output operator to execute trials, test product iterations, and generate the data required to support scale.

This role focuses on execution, iteration, and technical validation.

Position Summary

This role is responsible for executing all research activities related to HumaPost.

The successful candidate will run compost and agronomic trials, test new product iterations, and generate clear, defensible data. The role supports development by validating what works and directing the next iteration.

This is an execution-first role focused on results.

Essential Duties and Responsibilities

Compost and Product Research

- Execute compost trials across multiple feedstocks
- Apply defined inclusion rates, timing, and process variables
- Measure odor, stability, nutrient retention, and final product quality
- Run repeated trials to improve product performance

Agonomic Trials

- Execute field trials across key crops and regions
- Implement trial designs against compost and fertility standards
- Collect data on yield, quality, NDVI, and soil response
- Work with CROs and internal teams to ensure clean execution

Product Iteration and Validation

- Test new versions and formulations of HumaPost
- Evaluate performance across composting and field environments

- Identify what works, what fails, and why
- Provide clear input on next iterations

Data and Reporting

- Collect accurate and consistent data
- Summarize results into clear conclusions
- Support internal teams with technical information
- Ensure all data stands up under review

Education and Experience

- 3 to 7 years of experience in agronomy, soil science, compost systems, or biological sciences
- Strong understanding of soil fertility and biological systems
- Experience running field or compost trials
- Experience working in field and operational environments
- Ability to execute independently and stay organized
- Hands-on field and equipment experience is strongly preferred
- Experience with composting systems is considered an asset
- Experience with humics, biostimulants, or soil amendments is considered an asset
- Post-secondary education in agriculture, soil science, biology, or a related field is preferred

Skills/Competencies

- Strong execution and attention to detail
- Ability to follow and improve trial protocols
- Clear communication of results
- Problem solving through hands-on work
- High ownership of tasks and outcomes
- Comfortable working in field and compost environments

How to Apply

Please submit your resume or CV along with a cover letter outlining relevant formulation experience to crwilliams@westmetgroup.com