CAREERS IN AGRICULTURE

Research Chemist



WHAT IS A RESEARCH CHEMIST?

A Research Chemist approaches their work from a lens of scientific inquiry, using research, lab testing and evaluations of experiments to solve problems and develop products that can help the agriculture industry. Research chemists may work to create products like fertilizers that focus on sustainability and reduced environmental impact.

CAREER HIGHLIGHTS

- Problem solving
- Creative work
- Making a difference in the world
- Helping to improve and or protect the environment
- Developing or using technology

EDUCATION AND TRAINING

- A Bachelor's degree in Chemistry or a related field is the baseline, but research positions frequently require a Master's degree or Ph.D Depending on the exact nature of the research and the industry, you may need to register as a Professional Chemist (P.Chem) with the BC Institute of Chemists (BCIC).
- **Related School Subjects:** Practical Applied Arts, Science

CORE DUTIES
of a Research Chemist

Research and development
working on environmentally fertilizers

Interdisciplinary work
across biology, chemistry, and agricultural science

Sustainability-focused approach to agricultural systems

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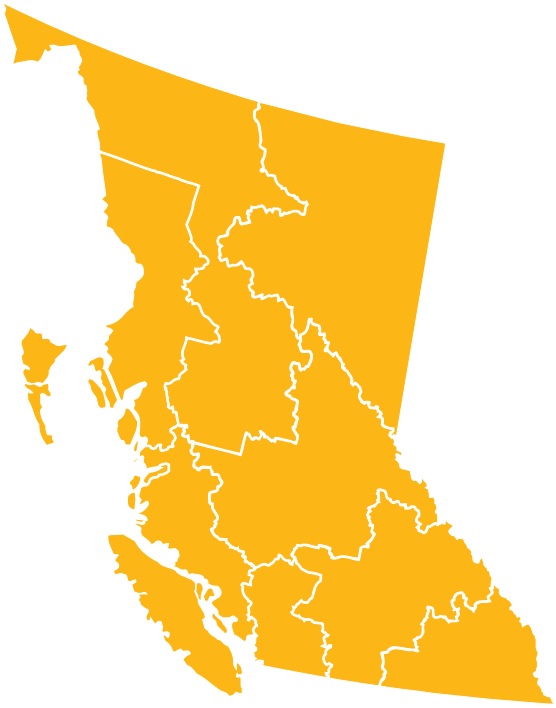
WORKPLACE
Indoor

SALARY RANGE
Approximate Starting Salary Range:
$53,000-$80,000/year ($38-$40/hr)

STAND OUT SKILLS
- **Adaptability:** Work on cutting-edge research with evolving challenges
- **Analytical thinking:** Evaluate experiments and data critically
- **Critical thinking:** Solve complex problems in research and development
- **Problem solving:** Design experiments and troubleshoot unexpected results

SIMILAR AND RELATED CAREERS
- Biotechnologist
- Agriculture Lab Technician
- Environmental Technician





LOCATION
BC wide

"There's all sorts of different opportunities to look at these totally different cool things that are maybe not biology related, but biology adjacent."

– James Jones

Hear more from James HERE