

FORMULATION CHEMIST

Formulation chemists design and develop new crop protection products, and supporting existing products that meet the needs of farmers.

WHAT RESPONSIBILITIES WILL I HAVE?

- Plan, organize and conduct experiments to optimize the biological, marketing, regulatory, and production performance of products
- Plan and control / carry out laboratory work to develop, understand and test new and improved manufacturing processes in order to meet agreed targets
- Deliver critical information to leadership and fellow researchers
- Plan and conduct laboratory support work to assist in the solution of manufacturing process problems and opportunities so that results can be implemented
- Take an active part in scale-up and plant introduction of newly developed products
- Develop and design new testing methods to ensure customer satisfaction with products under all kinds of conditions in the marketplace
- Oversee product stewardship responsibilities for selected existing products
- Benchmark competitors as a motivator to strive for innovative solutions for competitive advantage
- Submit patents if needed for developed formulations
- Organize, schedule and execute projects in accordance with company priorities
- Help newly developed products move through the regulatory process



WHAT EDUCATION & TRAINING IS REQUIRED?

A Master's degree or PhD in chemistry is required

THE FOLLOWING HIGH SCHOOL COURSES ARE RECOMMENDED...

Agricultural education, statistics, algebra, genetics, biology, chemistry, physics

TYPICAL EMPLOYERS

Academia, animal pharmaceutical and crop protection companies, biotechnology firms, alternative energy

FUTURE JOB MARKET/OUTLOOK



SUGGESTED PROFESSIONAL ORGANIZATIONS & ASSOCIATIONS

- American Chemical Society
- Association of Formulation Chemists

AVERAGE ANNUAL FULL-TIME SALARY

\$74,000