

WILLIAM L. GEIGLE

FORMULATIONS TECHNOLOGY LEADER **Pioneering Formulation Science and Engineering** **Robust Scale-up and Commercialization**

Lead cross-functional teams to innovate, develop, and execute technology and process improvement programs. Team leader who engages team members in organized approach to collaborate by connecting complimentary ideas.

Proven track record applying principled science and engineering to process development through disciplined data collection and analysis identifying critical fundamental properties that assure rapid, successful commercial production. Technology expertise in:

- Seed Treatment
- Solids Handling and Separation
- Milling
- Granulation
- Extrusion
- Drying
- Six Sigma Tools and Analytics
- Automated Data Collection

PROFESSIONAL EXPERIENCE

FORMULATIONS CONSULTING, Asheville, NC

Principal Consultant

2019 to Present

Provided expertise and direction to Crop Protection clients

- Provivi, Inc, Santa Monica, CA

PROVIVI, Santa Monica, CA

Director Formulations

2016 to 2019

Led technical team to develop, scale-up, and commercialize novel formulations to support sustainable insect control.

FORMULATIONS CONSULTING, West Chester, PA

Principal Consultant

2016

Provided expertise and direction to Crop Protection and Seed Treatment clients

- Informa Conference Organizers, London England
- Ingevity, North Charleston, SC
- Milliken and Company, Spartanburg, SC

DUPONT, CROP PROTECTION, Wilmington, DE

Senior Engineering Associate, Seed Treatment Enterprise

2013 to 2016

Led technical team of Chemists, Engineers, and technicians. Developed seed treatment formulation and application technology. Executed strategic technology plan to support \$600M Seed Treatment Enterprise business.

Formulations Research Manager**2004 to 2012**

Developed insecticide, herbicide, and fungicides formulations globally for \$3B business. Prioritized business-driven formulation projects. Aligned resources based on capabilities and development needs. Established key partnerships with suppliers, pay-for-service contractors, and third-party technology companies integrated into group's overall future vision technology plan.

Six Sigma Black Belt**2001 to 2004**

Managed projects yielding tangible cost savings.

Additional Positions:**1980 to 2001****Engineering Associate**, Research & Development

Assumed business wide responsibility for leading team of 30 research professionals and associates in development and commercialization of paste extrusion technology.

Senior Engineer, Operations

Managed planning, scheduling, and technology development programs for 2 unit operations.

Dry End Engineer

Directed scale-up tests of pan and fluid bed granulation herbicides targeted for commercialization in US, Brazil, and France.

Research Engineer

Developed soybean and corn herbicide water dispersible formulations designed for pan granulation.

PATENTS**Apparatus for breaking and separating particles, United States 6270025**

August 7, 2001, William Lawrence Geigle, Steven Irwin Gleich

Method and apparatus for low temperature continuous drying of temperature sensitive materials (granular agricultural pesticides) at atmospheric pressure using radio frequency energy, United States 5950325

September 14, 1999, Mehrdad Mehdizadeh, Roy Quinn Freeman, Earl Williams, Jr, William Lawrence Geigle

Water-dispersible or water-soluble pesticide granules from heat-activated binders, United States 5372989

December 13, 1994, Lionell S. Sandell, Robert D. Wysong, William L. Geigle

Thiol methylation process-reaction, recycle and regeneration of methyl bromide, United States 4435568

March 6, 1984, Kenneth L. Barbour, Frank R. Haglid, William L. Geigle

PUBLICATIONS/PRESENTATIONS

William L. Geigle and Luann M Pugh, "Homogeneous Blends of Pesticide Granules", 11th IUPAC International Congress of Pesticide Chemistry 2006: May 31, 2007;pp 239 – 247,

William L. Geigle, "Formulating Successful Products, Avoiding "Failure to Launch", Agrochemical Formulation USA 2016, Raleigh,NC; July 3, 2016

William L. Geigle, "Who wants to be a Formulataire?", Crop and Chemicals USA 2017, Raleigh,NC; July 26, 2017

EDUCATION

Bachelor of Science (BS), 1980, Chemical Engineering
PENNSYLVANIA STATE UNIVERSITY, State College, PA