

LABServices

All work conducted under strict confidentiality agreements



Results Oriented
Pest Management R & D
Since 1985

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Lehigh Agricultural & Biological Services, Inc.

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The Life Science Technology
Support Team



Enhancing Your Future Through
Managed Technology

Lehigh Agricultural & Biological Services, Inc.



LABServices was founded as a contract research organization in 1985 to serve the research and development needs for agriculture in the United States and Canada. Our 240 acre research facility is located in Hamburg, Pennsylvania (approximately 20 miles west of Allentown). Additional acreage is also available in Pennsylvania and New Jersey to encompass a variety of crops, soil types and residue requirements. Our office is located in the Hamburg Industrial Park.

LABServices conducts in-house field trials for GLP residue, product efficacy and crops developed through biotechnology. Tree fruit, vegetables and field crops are available on-site in addition to numerous specialty crops including turf, mushrooms and ornamentals. Industrial vegetation management sites and structural pests are also available.

LABServices provides project management to successfully coordinate product development and technical support projects using a menu of professional services tailored to assist the Plant Protection/Biotechnology industry. Our staff of **Life Science Professionals** possesses expertise in a broad range of educational backgrounds and R & D experience in Weed Science, Entomology, Agronomy, Plant Pathology, Agriculture and Environmental Science. As a team, **LABServices** is uniquely qualified to design studies and interpret results from technical and commercial perspectives, providing the information base needed to make informed business decisions in the Plant Protection and Pest Management Industry.

Contract Research

- ◆ Efficacy and Crop Tolerance
- ◆ GLP Residue (Regions I and II)
- ◆ Tree fruit, small fruit, vegetable and field crops
- ◆ On-site turf and ornamentals
- ◆ On-site mushroom research facility
- ◆ Structural pests
- ◆ Non-crop and Industrial Vegetation Management
- ◆ Wide variety of insect, weed and disease pests (natural or infested)
- ◆ Seed and Biotech crop evaluations

Project Management

- ◆ Experience in Research & Development and Technical Service
- ◆ Field studies for novel molecules, new formulations, label expansion and biotechnology crops
- ◆ Protocol development to meet objectives
- ◆ Trial placement throughout North America with proven Private and University Researchers
- ◆ Coordinate field placement and regulatory compliance for biotechnology studies
- ◆ Technical service trials with representation at the University level for market development
- ◆ Study monitoring
- ◆ Data review and interpretation with summary report and recommendations
- ◆ Product sample storage and distribution

Product Sample Storage and Distribution

- ◆ Fully equipped for sample preparation, packaging, shipping and receiving
- ◆ Samples individually labeled and tracked
- ◆ Shipping to domestic and international locations
- ◆ IATA and 49 CFR DOT certified for shipping of Dangerous Goods
- ◆ Reference sample and container archiving
- ◆ Controlled environment with 24-hour temperature monitoring
- ◆ Secured storage facility

Quality Assurance

- ◆ GLP Guidelines - Residue and Efficacy studies
- ◆ USDA - APHIS biotechnology, regulatory and performance standards
- ◆ Facility and Field Phase Inspections
- ◆ SOP development and review
- ◆ Fully trained QAU with prior field experience and education in the Biological Sciences
- ◆ Active membership in the Society of Quality Assurance

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Ann H. Steffel

President

Ann received her MS degree in Economic Entomology from the University of Wyoming. Ann founded **LABServices** in 1985 and presently manages the company. Prior to establishing LABServices Ann worked for Monsanto for 6 years as a Product Development and Sales Representative. At Monsanto she conducted field studies to evaluate candidate herbicides, established field demonstration trials, coordinated marketing programs and worked extensively with distributors, retailers, and growers.

Jim Steffel

Director of Research

Jim earned his MS degree in Entomology from the University of Wisconsin. Prior to joining **LABServices**, Jim worked for 18 years in Product Development for NOR-AM Chemical Company. While at NOR-AM Jim gained extensive experience working with insecticides, miticides, fungicides, herbicides, nematicides, soil fumigants, fertilizers and growth regulators. He has worked with virtually all temperate field crops, vegetables, tree fruit, small fruit, turf and ornamentals. At **LABServices**, Jim is responsible for coordinating and implementing all in-house field activities and management of Product Development projects for clients carried out with University and Private Researchers throughout areas in the United States and Canada.

Donna Landis *Technical Coordinator*

Donna received her Associate Degree in Agriculture from New Liskeard College of Agricultural Technology. She was raised on the family farm and has gained considerable experience in the production of forage, small grain and vegetable crops. At **LABServices**, Donna is a Principal Investigator for GLP residue trials and is responsible for the product sample storage and distribution services provided to Management Clients.

Valen T. Straub

QA Auditor/Information Specialist

Valen received her MS degree in Environmental Management/Natural Resources from the University of Texas at San Antonio (UTSA). As the Quality Assurance Auditor Valen assures management that **LABServices** is in compliance with GLP and APHIS regulations. In addition to her QA role, Valen also conducts in-house efficacy trials and manages off-site Product Development projects for clients. Her Project Management activities include protocol development, field trial placement and final data summary for studies with Private and University researchers throughout the United States and Canada.

Brian K. Mohn

Field Operations Coordinator

Brian obtained his Bachelor of Science in Agronomy from Delaware Valley College. Brian is responsible for managing the operation of **LABServices** Field Research Facility. Prior to joining **LABServices** Brian was Farm Manager for a 350-acre crop and beef operation. Prior to that position he worked 10 years for Agway as a Crop Consultant and Facility Manager.

Tim Dutt *Research Agronomist*

Tim received his PhD in Agronomy from the University of Wisconsin. Prior to joining **LABServices** Tim was with Monsanto for 27 years where he worked in Product Development and Technical Support at corporate headquarters and field locations in the Western, Southern and NE United States. He has extensive experience in a variety of markets including agricultural, industrial, aquatic, turf and ornamentals. Tim has extensive experience with glyphosate, working with crops modified through biotech and in seed and trait evaluation. At **LABServices**, Tim is responsible for herbicide, seed and biotech projects using his experience in these fields to conduct on-site trials and manage national programs for product development.

Mike Fidanza *Consulting Turfgrass Scientist*

Mike received his PhD in Agronomy from the University of Maryland and his MAg from Penn State University in Turfgrass Science. He has 6 years industry experience with AgrEvo as a Field Development Representative and is currently on the faculty at PSU. While at AgrEvo, Mike was responsible for conducting in-house efficacy trials in turf and ornamentals, traditional and biotech crops and establishing trials with University and Private Researchers in the NE, Southern and Western US.

At PSU Mike is involved in teaching and research into the biology and control of turfgrass pests. At **LABServices**, Mike is involved with the evaluation of products on turf, especially studies for control of diseases or weeds and evaluation of fertilizers and PGR's for effects on turfgrass growth and quality.