



## Biographical Sketch for Bryan G. Hopkins

(hopkins@byu.edu)

Professor, Brigham Young University

Certified Professional Soil Scientist (CPSS), Soil Science Society of America

Fellow, American Society of Agronomy

Education: A.A.S., Horticulture, Ricks College (1988); B.S. and M.S., Agronomy and Horticulture, Brigham Young University (1990, 1991); Ph.D., Agronomy, Kansas State University (1995).

Laboratory Experience: Dr. Hopkins has supervised/managed one state sponsored and three private laboratories, beginning as a graduate student and, most recently, as the former Director of the Environmental Analytical Laboratory at Brigham Young University. He has served on many committees related to laboratory quality assurance and quality control, such as being involved in the North American Proficiency Testing Program at its inception.

Research: Dr. Hopkins is internationally recognized as an expert in plant nutrition and soil fertility in urban and agricultural systems. His research is focused on nutrient, soil, and water science as they impact society and the environment. He has authored over 100 peer reviewed publications, as well as hundreds of extension and research reports. He has conducted research on soil, plant, and water sampling, analysis, and interpretation. For example, he has authored:

- a book chapter on organic matter analysis;
- extension bulletins on soil and water quality related to salts;
- scientific journal articles comparing convention soil tests to resin capsules;
- soil test calibration for nitrogen, phosphorus, zinc, etc.;
- plant tissue nutrient concentrations related to fertility levels.

An exhaustive listing of his work can be found in his curriculum vita at <https://lifesciences.byu.edu/directory/bryan-hopkins>.

Teaching: Dr. Hopkins has taught over two dozen courses with thousands of students enrolled. He teaches courses in plant, soil, and water science and environmental analytical chemistry. He is expert in analytical chemistry related to agriculture, horticulture, and environment applications in terms of sampling strategies, analytical methods and instrumentation, and interpretation of data. These tenets are a primary focus in his classes.

Family and Hobbies: Carrie and Bryan Hopkins are the parents of five sons and a daughter, with several grandchildren. They are very active as volunteers in their community. They love gardening (formerly farming), camping, and family get-togethers, especially if it also involves attending sporting events.