

## **THE SCIENCE OF HEALTHY, LIVING SOIL**

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### **Abstract**

This presentation will examine the basic concepts of soil science and the living aspects of soil. To build our basic knowledge and understanding for a day dedicated to soils, the presentation will cover basic soil science concepts including physical features, texture, particle type, size, structure, and how long soil formation takes. It will then explore the living aspects of soil, what does it mean to be healthy, what is alive in a soil, and how it affects the function of soils.

### **Biography**

and head of the Department of Soil, Water, and Climate and holds a secondary appointment in the Department of Horticultural Science. Since 1983, his extension and research programs at Minnesota have focused on nutrient management for a variety of crops with particular emphasis on fruit and vegetable cropping systems. He has authored or coauthored numerous publications and extension bulletins on the subjects of nutrient management, soil fertility, plant nutrition, and beneficial use of by-products for crop production.