



Radice

SOIL SOLUTIONS

Dig deeper soil workshop



UNDERSTANDING SOIL AND ITS IMPORTANCE

FEB

16

Start at
9:00 AM

Introduction to Soil:

Explain the components of soil (minerals, organic matter, water, air, and living organisms). Discuss soil formation processes and factors affecting soil development.

Historical Perspective:

Explore historical practices that led to soil degradation. Emphasize the importance of sustainable soil management

Soil Functions:

Highlight the diverse roles of soil, including nutrient cycling, water filtration, and supporting plant life. Discuss how soil contributes to ecosystem services. Restoration Principles: Showcase successful case studies of soil restoration projects.



THE SOIL MICROCOSM - WHO LIVES IN SOIL?

FEB

17

Start at
9:00 AM

Microbial Diversity:

Explore the various microorganisms in soil, focusing on bacteria, fungi, protozoa, amoeba, ciliate, flagellate, and nematodes. Explain their roles in nutrient cycling and the interconnected soil food web.

Practical Recognition:

Participants learn hands-on activities to identify and recognize soil organisms. why measure not just numbers but also biomass and diversity.



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MICROSCOPY AND SOIL ASSESSMENT TECHNIQUES

FEB
23

Introduction to Microscopy:

Provide a basic overview of microscopy and its applications in soil science.
Demonstrate proper microscope usage and care.

**Start at
9:00 AM**

Sample Collection and Slide Preparation:

Conduct a practical session on collecting soil samples and preparing slides.
Emphasize techniques to avoid contamination.

Soil Sample Assessment:

Guide participants through assessing soil samples under the microscope.
Encourage discussions on what constitutes a healthy soil sample.



PRACTICAL SOLUTIONS AND HANDS-ON ACTIVITIES

FEB
24

Composting Techniques:

Detail three composting methods: static, thermophilic, and worm composting.
Discuss the advantages of each method and their role in soil enrichment.

**Start at
9:00 AM**

Compost Extracts and Brews:

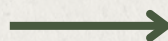
Explain the preparation of compost extracts or brews.
Highlight their significance in enhancing soil microbial diversity.

Microscopic Analysis in Practice:

Demonstrate how to use a microscope to evaluate the microbial diversity in compost and compost extracts.

LIMITED SPOTS AVAILABLE

Talk to Bridget to reserve your spot now and make this the year of soil restoration!



www.radice.co.nz

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