



Digging Deeper: Looking Deeper, the Soil Course Reimaging Agriculture



Day 1:

We examine why and how the current system of farming in many cases is broken, why it matters and the factors influencing local and global climates, including your own farm and soil. We compare chemical and biological farming and introduce the principles of biology. In the afternoon we will start to collect soil and root samples and start sharing how to prepare and examine these.

Day 2:

Gundi and Phill will share the basics of plant and soil biology and why it matters. Gundi will explain nutrient synthesis and cycling, and why it can improve your farm exponentially. We will explore a 'normal' farm nearby: What are the factors that have degraded the soil and biomass there, and what does it look like. Phill will teach the power of observation. We will also have a few hours on the microscope and you will learn how to prepare a soil sample and how to look and interpret them.

Day 3:

Phill and Gundi will explain cell structure of plants, the root-soil interface, nutrient mobilisation, synthesis and cycling and the recently discovered phenomenon of rhizophagy. You will discover the life underground: bacteria, protozoa, nematodes, earthworms and how to stimulate and nourish it which will all help you to grow amazing produce (and make more profit). We will again examine microscope slides, seeing bacteria, protozoa and nematodes with your own eyes.

To end Day 3 we will have a gathering around a campfire with hearty food and music will wrap up the three days.