



## Practical Microscopy Workshop for FC Students

This workshop is focused on the practical use of the shadowing microscope to assess the quality of soil, compost, extracts and teas. Attendees will assess nematode extractions and protozoan infusions, as well as their own samples.

**Prerequisite:** Must have completed Foundation Course 4: Microscopy. Each student must bring a suitable microscope.

**Date:** Saturday, April 18 - Sunday, April 19, 2020

**Fee:** \$1,000 for the 2-day workshop

**Location:** Scio, Oregon at Harmony Jack Farms

(45 minute drive from Corvallis, 30 minutes from Salem, OR, 15 minutes from Stayton)

There are only ten places available in this workshop. [Click here to register.](#)

Workshop Schedule:	
<b>Saturday, April 18</b>	
<b>8 AM</b>	Meet in the classroom. Coffee, juice, water, and a few snacks will be available.  Student introductions, an overview of the background, interest in soil biology, discuss assessment of Sites, Soil, BioComplete™ Compost, Compost Extracts and Teas.
<b>10 AM</b>	15-minute Break
<b>10:15 AM</b>	Microscopy 101  1. Check to make sure everyone knows how to properly make dilutions, focus eyes on the sample, focus the light source on the sample, and shadow the organisms.  2. Go through the spreadsheet/sMApp, step by step.
<b>12 PM</b>	Please bring your lunch with you. Scio, ten minutes away from the farm, has several restaurants and coffee shops along the main street.

<b>1 PM</b>	<ol style="list-style-type: none"> <li>1. Finish going through the spreadsheet/sMApp, step by step.</li> <li>2. Each student should assess one of their own samples.</li> <li>3. Each student to assess the same sample.</li> <li>4. Results from these samples will be put on the board.</li> </ol>
<b>After 3 PM</b>	<ol style="list-style-type: none"> <li>1. Assess protozoan infusions and report results on the board.</li> </ol>
<b>Sunday, April 19 [Lunch at 12 PM and 15-minute breaks throughout the day]</b>	
<b>8 AM - 5 PM</b>	<ol style="list-style-type: none"> <li>1. We will look at the nematode extractions to assess the number and functional groups of the nematodes.</li> <li>2. Results from these assessments will be reported on the board.</li> <li>3. We will spend the rest of the day using the microscopes, assessing samples, and reporting results on the board.</li> </ol>

**Things to Bring:** Each student must bring a suitable microscope. Follow this [link](#) to see the recommended microscope. You **MUST** bring soil, compost, extract and/or teas to assess.

Please bring your laptop computers, pictures of different organisms you have encountered, or have questions about.

With your microscope, make sure to include microscope slides and coverslips, test tubes with caps, test tube holders, beakers to hold clean and dirty water, cloths to clean the microscope and lens cleaner.

Also, bring BOOTS, jackets, and dress in layers. Mornings can be cool in Oregon at this time of year, but mid-day can be quite summer-like, so dress accordingly, please. There will be cows, cats, dogs, as well as wildlife in the area. Poison oak is in the underbrush in the forested areas.

**Accommodations in Scio, 10-30 minutes away from the farm:**

**Bridgeway Inn & Suites** \$79/night  
 300 SW Sublimity Blvd, Sublimity, OR 97385 (503) 769-9579  
 Breakfast is minimal, but a nice place overall

**Gardner House Cafe and Bed & Breakfast** Very good reputation  
 633 N 3rd Ave, Stayton, OR 97383 (503) 769-5478

**Silver Falls Lodge & Conference Center** \$146/night (3-star hotel)  
 20022 Silver Falls Hwy SE, Sublimity, OR 97385 (866) 575-8875

Many hotels and accommodations in Albany, Oregon 30 minutes away as well.

**Maps to the Farm will be provided upon payment for the workshop.**