



**A & L CANADA
LABORATORIES INC.**

SOIL FERTILITY WORKSHOPS 2024

ONTARIO LEVEL 3

Agenda:

8:00 a.m.

Registration

8:30 a.m.

Soil Health and Seed Endophytes

In this section we will look at understanding soil health, the future of agriculture and how this technology fits into the progression of the green revolution—now termed the “Evergreen Revolution”. We will walk through the last 14 years of research at A&L and the work undertaken to understand this new technology as well as how it will revolutionize agriculture in the next decade. I will attempt to explain the relationship between the plant and microbiome and how we can use this technology to develop a more sustainable agricultural industry as we move towards more ecological agriculture.

10:00 a.m.

Break

10:15 a.m.

Soil Health and Seed Endophytes (continued)

12:00 p.m.

Lunch

1:00 p.m.

"Effective Communication" Between Plants and Microbes

The soil, a dynamic mix of living organisms and vital nutrients, profoundly influences crop health. This talk will explore the intricate dialogue between plants and microbes, unraveling how crops respond to diverse stimuli, crucially impacting their yields. Our ongoing research focuses on developing models for applying metabolic signals to engineer soil microbial communities aiming to enhance both soil health and productivity.

Continued on next page...





**A & L CANADA
LABORATORIES INC.**

SOIL FERTILITY WORKSHOPS 2024

ONTARIO LEVEL 3

2:00 p.m.

Management of Plant Microbiome for Sustainable Agriculture

In this section, we cover the challenges of ensuring consistent results when applying microbes in the field, and the role of Soil Health in this equation. We will share A&L Biological research aiming to understand and develop effective biological solutions through extensive laboratory and field validation.

3:00 p.m.

Break

3:15 p.m.

Interpretation and Use of VitTellus Soil Health Tests

In this section, we will walk through reading the VitTellus soil health test and using it to make recommendations in crop production. You will learn how to increase soil health and create a more sustainable production system—with improved quality and yield—while reducing the impact of agriculture on the environment. We will share our findings on the identification of beneficial microbes, their functions, and how to help the plant cultivate these microbes in the rhizosphere to improve crop performance and overall soil health and quality.

4:30 p.m.

Adjourn

