

SOIL BIOLOGY MASTERCLASS 2025

Incorporating soil health and biology with management practices to sustainably increase productivity and profitability.

DATE 14-15 July 2025
VENUE Western Sydney University,
Hawkesbury Campus

For growers, consultants & agronomists.



The 2-day soil biology masterclass will provide you with the core knowledge and principles to assist in incorporating soil biology and health in management practices to sustainably increase productivity and profitability.

Registration cost \$595.00

For more information:
[Soil Biology Masterclass 2025](#)

- Gain an in-depth understanding of the latest research in soil biology and health; the role of microbes in nutrient availability for plant growth and resistance against disease and pests.
- Learn about the future direction of research, technologies and practices.
- Tour of research facilities and networking dinner included in registration cost.
- Network with our guest presenter and expert researchers.

WESTERN SYDNEY
UNIVERSITY



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Register by 30 June 2025
Limited positions
available



Soil Biology Masterclass

Monday 14 July – Tuesday 15 July 2025

Introduction to Soil Health and Biology

The fundamentals of soil science: **core concepts** in soil biology and health.

Participants will be equipped with the foundational knowledge needed to sustainably increase productivity by integrating soil biology and health into management practices.

Open to all. No prior knowledge required.

Who should attend this course?

This is an ideal program for growers, consultants and agronomists seeking to understand the benefits of soil biology as a driver of healthy crops and healthy foods in sustainable production environments.

Availability

Annual Hawkesbury Campus, Western Sydney University

Additional Features:

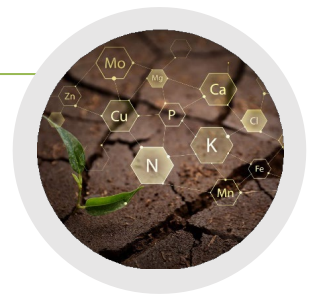
- Networking opportunities with experts and delegates.
- Tour of Western's Hawkesbury Institute for the Environment field sites and world-class research facilities on Hawkesbury Campus.
- Conference dinner* with experts and delegates.
- Optional transfers to and from accommodation* and Hawkesbury Campus*
- Morning tea, lunch, and afternoon tea**

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Program fee: \$595.00

**Crown Plaza, Hawkesbury*

***No afternoon tea - Day 2 due to field tour*



Incorporating soil health and biology and management practices to sustainably increase productivity and profitability

Day 1

Introduction to soil biology	An overview of soil biology and its importance to soil health.
Soil biology in context	What are the agricultural drivers and practices for improving soil health/biology and why is there an increasing interest from growers?
Soil biology – diversity and functions	Concepts of soil health and biology, the diversity and how this links to farm productivity. Latest thinking.
Soil biology – nutrient cycling and productivity	Linking soil health and productivity to nutrient cycles including nitrogen and carbon cycling. Latest thinking.
Soil biology – plant / microbial interactions	Rhizobia and mycorrhizal fungi, their interactions with plants, roles and benefits. Latest thinking.
Soil biology – soil fauna	Soil fauna and ecosystem services. Latest thinking.

Field site tour.

Harnessing the Life in Soils

Day 2

Soil suppression	Soil suppression – harnessing soil biology for better disease management and higher resource efficiency. Latest thinking
Management practices for improving soil health	A practical way of managing soil biology
Integrating soil biology/ health into practise	Integrating soil biology in a practical sense – introductory experiences and some adoption barriers.
Round-table discussion	Take home message

Masterclass fin.

