

Keynote speakers



Dr. Amélie Gaudin

Dr. Amélie Gaudin is Associate Professor and Endowed Chair of Agroecology in the Department of Plant Sciences at the University of California Davis. She obtained a Ph.D. in Plant Agriculture at the University of Guelph (Canada) and worked as an agronomist and crop physiologist at various CGIAR centers to sustainably intensify staple food crop production in smallholder farming systems. She currently leads a dynamic and diverse team of students and postdoctoral researchers to characterize outcomes of regenerative agricultural models that have conservation of natural resources, agrobiodiversity, and ecosystem services as a basis for improvements. She engages

communities with the science of agricultural ecology by collaborating with and learning from a diverse group of students, growers, advisors, and policy advocates. Her research integrates concepts and methodologies from various disciplines to measure multifunctional outcomes of ecological intensification and regenerative strategies on soil health, C sequestration and drought resilience. She is also interested in better understanding root system and rhizosphere ecology and their potential to harness improvements in soil health, sequester carbon and decrease crop water and nutrients requirements. More information here: <http://gaudin.ucdavis.ed>



Dr. Neil Mattson

Dr. Neil Mattson is Professor and greenhouse extension specialist within the Horticulture Section, School of Integrative Plant Science at Cornell University. Prior to joining Cornell in 2007, Dr. Mattson completed his PhD in Plant Biology and UC Davis and his M.S. in Horticulture at the University of Minnesota. Dr. Mattson researches technologies to reduce natural resource use in greenhouse floriculture and vegetable production while maintaining or improving profitability. Particular

interests include plant responses to light quantity and quality, energy efficient light control strategies, and optimizing crop nutrient management. Dr. Mattson has authored or co-authored 69 peer-reviewed journal articles, 15 book chapters, 169 extension articles and has given more than 300 outreach presentations to more than 16,000 greenhouse industry members. Dr. Mattson is the director of Cornell University's Controlled Environment Agriculture program. nsm47@cornell.edu



Dr. Mario Tenuta

Dr. Mario Tenuta P.Ag., is the Natural Science and Engineering Council/Western Grains Research Foundation/Fertilizer Canada Senior Industrial Research Chair in 4R Nutrient Stewardship and Professor of Applied Soil Ecology at the University of Manitoba. His training includes a B.Sc. in Botany and Physical Geography, an M.Sc. in Soil Fertility, a Ph.D. in Plant Pathology, and Post-Doctoral research in Nematology. The 4R Industrial Research Chair Program is advancing research in 4R nitrogen management practices to give farmers and industry solutions to achieving nitrous oxide emission

reductions and improved soil health and crop productivity. A key feature of the Chair program is conducting farm-based research with particular attention to the outreach of findings to farmers, industry and policy-makers. A key feature of the Chair program is conducting farm-based research with particular attention to the outreach of findings to farmers, industry and policy-makers. mario.tenuta@umanitoba.ca
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To learn more about Mario and the Chair program, please visit www.soilecology.ca