



**ALTA**  
AGRICULTURAL LABORATORY  
TESTING ASSOCIATION

**2025 ALTA Summer Workshop**  
LECO Robert J Warren Customer Experience Center  
1500 Hilltop Rd, St Joseph, MI 49085

**Tuesday - August 19**

Time	Topic	Presenter
11:30 a.m. - Noon	Arrival / Registration	
12:00 - 1:00 p.m.	ALTA Business Meeting	ALTA Board / Members
1:00 - 1:15 p.m.	Break	
1:15 - 2:15 p.m.	<b>LECO Technical Talks:</b> - Welcome & Overview - Session goals: Instrumentation & applications - C/N Analysis: Soils & Plant Tissue - TOC in Soil: Acid Pretreatment Method - TOC in Soil: Temperature Differentiation Method	LECO Staff
2:15 - 2:30 p.m.	<b>Transition to LECO Hands-on Workshop: (3) rotating groups / 40-min ea.</b>	
2:30 - 4:30 p.m.	<b>Service Session:</b> Maintenance and operation of combustion instruments using LECO CN928 and C832 as examples	Matt Kock and Dean Vuckovich, Technical Leads
2:30 - 4:30 p.m.	<b>Technical Session 1:</b> Hands-on session looking at combustion analysis covering sample prep to analysis. Special focus on CN 928 and C832.	Caeden Hunter, Analytical Chemist
2:30 - 4:30 p.m.	<b>Technical Session 2:</b> Hands-on training looking at total organic carbon analysis using temperature differentiation (instead of acid treatment). Special focus on RC612.	Jeffery Gast, Lead Analytical Chemist
4:30 - 5:00 p.m.	Wrap Up / Questions	ALTA / LECO
5:30 - 8:00 p.m.	Social Event	LECO Sponsored

**Wednesday - August 20**

Time	Topic	Presenter
	<b>Breakfast – During Panel Discussion</b>	
8:00 - 9:00 a.m.	<b>LECO Panel Discussion / Day 1 Follow-up</b>	<b>LECO Staff</b>
9:00 - 9:30 a.m.	<b>Data Integrity &amp; Laboratory Ethics: Building Trust in Soil Testing for Agriculture</b>	Rebecca Harvey, PhD Woods End Laboratories
9:30 - 10:00 a.m.	<b>Exploring Sap Analysis with NEW AGE Laboratories</b>	Scott Wall, CEO New Age Laboratories
10:00 - 10:45 a.m.	<b>Break-Out Session: Lab Technician Training &amp; Certification</b>	All Attendees
10:45 - 11:00 a.m.	Break	
11:00 - 11:30 a.m.	<b>Compost Testing: How It Compares to Soil Testing</b>	Nicholas Hannon, Woods End Laboratories
11:30 - 12:00 p.m.	<b>What Every Ag Lab Should Know About Filter Paper</b>	Robert Miller, ALP Director
12:00 - 12:30 p.m.	<b>Soil Test-based Recommendations: Utility, Gaps, and Opportunities. Findings from a Stakeholder Survey.</b>	Megan Bourns, PhD University of Arkansas
12:30 p.m.	Adjourn	Safe Travels