



2022 GLTE EDUCATION GRIDS

MON24	8:30am	9:45am	11:00am	12-1:30	1:30pm	2:45pm	4:00pm	5-6pm
Arboriculture	ISA Tree Risk Assessment Qualification (TRAQ) <i>Geoffrey Kempter</i>	Increasing Plant Diversity to Build More Resilient Urban Forest Cover <i>Dr. Jim Funai</i>	A Look at Current Urban Forest Management Plans in Michigan <i>Dr. Asia Dowtin</i>	Green Industry Leadership and Awards Lunch <i>(Included in Registration Fee)</i> Enjoy your lunch and celebrate our great, Green Industry by honoring our leadership, the milestones of our members, and our partners. Leading Green Industry Economist Charlie Hall will provide a forecast for the industry in his talk "The Outlook for 2022: Blue Skies or Storm Clouds?"	Tree Maladies in Nurseries and Landscapes for 2021-2022 <i>Dr. Dave Roberts</i>	Why Do They Cut Them Like That? Utility Arboriculture Explained <i>Geoffrey Kempter</i>	Avoiding Disasters by Design <i>Dr. Dan Herms</i>	Welcome Reception Network in a relaxed atmosphere while enjoying entertainment, hors d'oeuvres, and refreshments, and honor our Outstanding Student and Scholarship Recipients. <i>Included in Registration Fee</i>
Turf and Landscape Management	Do PGRs Make Cents? The Economics of PGRs in Landscaping <i>Dr. Ariana Torres</i>	Battery-Powered Equipment for Professionals <i>Mark Parker</i>	Brush, Invasive Plant Ecology, and Management <i>John Stone</i>		Automation in the Green Industry <i>Wayne Kreifels</i>	Updates on Spotted Lanternfly <i>Rob Miller</i>	Making Your Grass Seed Budget Go Further - Getting More Bang for Your Buck <i>Rusty Stachlewitz</i>	
Grower	New Greenhouse Disease Management Recommendations <i>Dr. Mary Hausbeck</i>	In-Season Pre-emergence Crop Safety: Past Five Years of IR-4 Results <i>Dr. Hannah Mathers</i>	Improving Consistency and Quality: New PGR Application Methods for Greenhouse Growers <i>Dr. Roberto Lopez</i>		Managing Water Movement and Associated Contaminants in Container Production <i>Dr. Tom Fernandez</i>	Limiting Weed Growth in Nursery Container Production <i>Dr. Debalina Saha</i>	LED Lighting for Greenhouse Growers <i>Dr. Erik Runkle</i>	
Business, Leadership, and Labor	Cultivating a Culture of Training <i>Dr. Bridget Behe</i>	The Top 10 Human Resource Mistakes Landscapers Typically Make and How to Prevent them from Reoccurring <i>Jud Griggs</i>	A Succession Plan Alternative <i>Brian Decker</i>		Social Media Tips for Landscape Professionals <i>Carolyn Mullet</i>	Engaging Industry and College Programs to Drive Workforce Development <i>Dr. Jim Funai</i>	Contemporary Communications <i>Dr. Bridget Behe</i>	
Plants and Design	My Poisonous Garden, Oh Deer! <i>Dr. Tom Fernandez</i>	Adventures in Eden: Garden Making in Europe Today <i>Carolyn Mullet</i>	What did Arnold Promise? <i>Tim Brotzman</i>		Rain Gardens 101: Build Value for Customers and Differentiate Your Business with Rain Gardens <i>Matthew Bertrand</i>	If Some is Good, More is Better, Plant Diversity Forever! <i>Scott Beuerlein</i>	Structuring Your Design/Sales Team for Success <i>Jud Griggs</i>	

TUE25	8:00am	9:15am		3:00pm	4:15pm	4:15pm	5:30pm
Arboriculture	Update on HWA Control Options and Gypsy Moth - the #1 Forest Pest in 2021 <i>Dr. Deb McCullough</i>	The Multiple Dimensions of Tree Defense to Insects <i>Dr. Dan Herms</i>	TRADE SHOW 10:30am - 4pm 11:45am Cash Raffle Drawing 1:00-2:00pm Professional Women in Horticulture Networking 2:00-3:00pm Young Professionals CONNECT!	A Review of Oak Wilt Remediation Methods <i>Dr. Dave Roberts</i>	Basic Chainsaw Safety <i>David Vincent</i>	SEMNL Reception & Annual Meeting 100th Anniversary Party Celebrating a Century of Service to Michigan's Green Industry	
Turf and Landscape Management	Getting the Most Out of Herbicide Applications to Turf <i>Aaron Hathaway</i>	Herbicide Drift and Carry Over <i>Dr. Hannah Mathers</i>		Managing Turf on Disturbed Soils <i>Dr. Kevin Frank</i>	Weed Control in Wet Stormwater Retention Ponds <i>Dr. Hannah Mathers</i>		
Irrigation and Lighting	The Business of Landscape Irrigation Contracting <i>John Eggleston</i>	The World of Landscape Drip Irrigation <i>John Newlin</i>		Irrigation Troubleshooting Basics <i>Marcus Duck</i>	Taking it up a Notch: the Next Step in the Evolution of Lighting Design <i>John Higo</i>		
Business, Leadership, and Labor	Employee Safety Trends in Nurseries and Greenhouses and How to Address Them <i>Patrick Dunn</i>	Commercial Trucking and the Green Industry <i>Charlie Culton</i>		An Estimating System Overview <i>Jim Huston</i>			
Plants and Design	Ladies and Gentlemen of the Jury...the Closing Argument for Annuals <i>Scott Beuerlein</i>	Natural Shoreline Development <i>Dr. Bob Schutzki</i>		Proper Pruning Techniques for Landscape Professionals <i>Dr. Bob Schutzki</i> 1:00-2:50pm	Landscape Inspiration Gallery <i>Michigan's Award-Winning Projects</i>		Making Landscapes that Matter <i>Scott Beuerlein</i>






WED26	8:00am	9:15am	10:30am	10:30am-3:00pm	3:00pm
Arboriculture	What to do with Circling Roots when Planting Container-Grown Trees <i>Dr. Bert Cregg & Riley Rouse</i> 	The Cryptic Demise of the Urban Forest <i>Phil Gruszka</i>     	Introduction to the Green Industry Student Program (10:30am-1:30pm)	<h1>TRADE SHOW</h1> <h2>10:30am - 3pm</h2> <p>12:15pm Cash Raffle Drawing</p> <p>12:30pm MNLA Green Industry Research Auction</p> <p>2:00pm Cash Raffle Drawing</p> <p>2:30pm MSU Dairy Store Ice Cream Social</p> <p>2:45pm Cash Raffle Drawing</p>	Horticulture and Popular Culture <i>C.L. Fornari</i>  
Turf and Landscape Management	Box Tree Moth and What it Means for Your Boxwood <i>Jeremy Jubenville</i>     	Diagnosing Herbicide Injury on Landscape Plants <i>Dr. Erin Hill</i>     			Horticulture and Popular Culture <i>C.L. Fornari</i>  
Garden Retail	I'll Just Get it Online: Strategies to Keep Your Customer on Your Doorstep <i>Anne Obarski</i>	Retail Revival <i>C.L. Fornari</i>			Horticulture and Popular Culture <i>C.L. Fornari</i>  
Business	Hiring, Onboarding, and Training Plant Health Care Technicians <i>Kyle Narveson</i>  	Clues to Create a Team of Superheroes <i>Anne Obarski</i>    			Horticulture and Popular Culture <i>C.L. Fornari</i>  
Plants and Design	Efficiencies From Concept to Construction: Hardscaping in 2022 <i>Shaun Breuer</i>  	The State of the Native Plant Industry in Michigan <i>Rob Welch</i>  			Horticulture and Popular Culture <i>C.L. Fornari</i>  
Certification Central	8:00 - 11:30am MDARD Core Pesticide Exam Review Pre-Registration ONLY. Must attend BOTH the Core Review AND Exam. Visit GLTE.org for this additional registration <i>John Stone</i>			1:00 - 4:00pm MDARD Pesticide Core Exam Pre-Registration ONLY. Must attend BOTH the Core Review AND Exam. Visit GLTE.org for this additional registration	
	8:00 - 10:00am CGIP Core Exam Review <i>Dr. Bob Schutzki</i>	10:00am - 12:00pm CGIP Core Exam (Section 1: Plant ID) 12:00 - 2:00pm CGIP Core (Section 2: Multiple Choice) & Specialty Exams Visit www.mnla.org/learn/certification for app and reg info.			

Credits Available:

- CGIP** – Certified Green Industry Professional: Available for all sessions on all 3 days
- NALP** – National Association of Landscape Professionals: Available for all sessions on all 3 days

-  **ISA** – International Society of Arboriculture
-  **IA** – Irrigation Association (Applied For)
-  **APLD** – Association of Professional Landscape Designers
-  **LA CES** – Landscape Architecture Continuing Education System
-  **CSP** – Certified Snow Professional

-  **MDARD** – Michigan Dept. of Agriculture & Rural Development, applicable for Core (Priv. & Comm.), 3A, 3B & 6
-  **Indiana** – Office of Indiana State Chemist Continuing Certification Hour
-  **Ohio** – Ohio Pesticide Application Credits