

I AM EXPO

Dec. 7-9, 2021 | Grand Rapids, Michigan

DeVos Place Convention Center and the Amway Grand Plaza Hotel

**The premier show for fruit and vegetable growers,
greenhouse growers and farm marketers!**

**Get Early Bird
registration rates
if registered by
November 15! See
back page for
additional details.**

SEE HOW EXPO CAN HELP YOU MAKE CONNECTIONS.

www.glexpo.com



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@greatlakes_expo

#IAmEXPO

INVITATION FROM THE GREAT LAKES EXPO BOARD

After shifting to a fully virtual format in 2020 due to the COVID-19 pandemic, the Great Lakes Fruit, Vegetable & Farm Market EXPO and Michigan Greenhouse Growers Expo is planning a fully in-person event, with every aspect of the event that attendees and exhibitors have come to know and love - from the trade show floor to the signature Farm Market sessions. We look forward to seeing you back at the DeVos Place in Grand Rapids, MI!



CIDER CONTEST

The cider contest will judge the best ciders produced by Michigan cider makers (only Michigan cider producers are eligible). Here are some important details for the contest:

- 🍏 To enter, cider producers must submit two 1-gallon cider jugs at the Exhibitor Registration desk in the Grand Gallery concourse in DeVos Place on Tuesday, December 10, from 9 a.m. to 5 p.m., or on Wednesday, December 11, from 9 a.m. to noon. No entries will be accepted after noon on Wednesday.
- 🍏 Cider samples must be thawed by 1 p.m. on Wednesday (this is the responsibility of each cider producer, not the contest coordinator).
- 🍏 Cider contest judging will be on Wednesday afternoon. Judging will be held in one of the upper-level Grand Gallery meeting rooms and will be open for viewing starting at 1:30 p.m.
- 🍏 The top five winners will be notified prior to the EXPO Banquet and will be provided two complimentary tickets to the EXPO Banquet.
- 🍏 Winners will be announced at the EXPO Banquet on Wednesday evening. First place receives a plaque and a traveling trophy. Second and third places receive a plaque.
- 🍏 Samples of the winning ciders will be available to taste in the Grand Gallery of DeVos Place on Thursday morning.
- 🍏 Entry forms are available in advance by contacting Bob Tritten, MSU Extension (810-244-8555; tritten@msu.edu).

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REGISTRATION

Register online at www.glexpo.com

Registration fees cover admission to the trade show and all education sessions.

FARM MARKET BUS TOUR

Monday, December 6, 2021



The annual Farm Market Bus Tour is back for 2021! The full-day bus tour will be held the day before the Great Lakes Fruit, Vegetable & Farm Market EXPO. Participants will visit new markets in different areas of West Michigan. The tour is sponsored by Fruit Growers News and Vegetable Growers News.

The Farm Market Bus Tour is a great opportunity to network with other farm marketers, while learning how some innovative farmers get their products onto the tables of consumers using creative and unique marketing strategies. There will be interactive discussions while traveling on the buses to share information, which will be moderated by Michigan State University Extension educators.

The cost of the tour is \$155 per person. This includes lunch and snacks. If you register after November 15, the cost is \$179 and subject to availability. Registration is limited. Register by using the form on the back cover or go online to register at GLEXPO.com.

Visit fruitgrowersnews.com/bustour or vegetablegrowersnews.com/bustour for more information on the tour, including descriptions of each of the host farm markets that will be visited. Call Jennifer Talik at 734-239-8027 or email her at jtalik@glexpo.com if you have questions or need additional information about the tour. Don't miss out on this great opportunity to see and learn about new possibilities for your market.

2021 ONLINE EXPERIENCE

The Expo this year will allow mobile users to see a fabulous floor plan of our trade show areas. The vendor booths will be easy to find along with vendor contact information. There will also be a tool called My Show Planner which will allow an attendee to create a schedule of their education sessions. The same planner can be used to trade contact information with vendors. Go to glexpo.com/exhibitor-information to link to this online experience.

SPECIAL EVENTS/MEETINGS

MICHIGAN APPLE GROWERS LUNCHEON

TUESDAY, DECEMBER 7, 11:30 AM – 1:30 PM
Ambassador Ballroom, Amway Grand Plaza Hotel

This annual event is being held on the first day of the EXPO again this year. This is a free luncheon program open to all Michigan apple growers. The luncheon is sponsored by the Michigan Apple Committee and a number of industry sponsors. A featured speaker will entertain and inform those attending. This year's program also features the crowning of the 2021 Michigan Apple Queen by the reigning Michigan Apple Queen, Victoria Wittenbach. There will also be industry updates from the Michigan Apple Committee and USApple during the program.

MIDWEST PICKLE ASSOCIATION AND PICKLE & PEPPER RESEARCH COMMITTEE FOR MSU

TUESDAY, DECEMBER 7, 11:00 A.M. - 4:00 P.M.
Gallery Overlook Room G-H (upper level), DeVos Place Convention Center

Members of the Midwest Pickle Association and the Pickle & Pepper Research Committee for MSU are invited to attend this special research reporting and business program. The program includes a working lunch; joint business meeting of both organizations; and cucumber research reporting by researchers from Michigan State University, University of Wisconsin, and USDA Agricultural Research Service.

MICHIGAN STATE HORTICULTURAL SOCIETY ANNUAL MEETING

TUESDAY, DECEMBER 7, 4:30 P.M.
Grand Gallery Room C (lower level), DeVos Place Convention Center

The annual meeting of the Michigan State Horticultural Society (MSHS) will include director elections and reports on activities. All members are welcome.

TRADE SHOW RECEPTION

TUESDAY 4:00 PM – 5:30 PM,
WEDNESDAY 4:00 PM – 5:30 PM

Join us in the back of the Exhibit Hall Tuesday and Wednesday for a reception with the exhibitors. Cash Bar and Light Refreshments.

Wednesday the vegetable industry will host a networking event at the Genius Bar Stage including retirements for John Bakker and Brian Bursiek.

PRAYER BREAKFAST

WEDNESDAY, DECEMBER 8, 7 A.M.
Imperial Ballroom

Speaker: Nathanael Szobody

Cultivate Africa

Nathanael is the son-in-law of Bob Gregory, a fruit grower in Northwest MI. Nathanael moved to Chad, Africa with his parents in 1999. During his high-school years he learned the local language and took an interest in the traditional agriculture. Today he lives in Chad as a church worker along with his wife Carrie and their six children. They are translating scripture into a tribal language, they have started an elementary school and are teaching the children how to care for their land in the long term.

MICHIGAN VEGETABLE COUNCIL ANNUAL MEETING

WEDNESDAY, DECEMBER 8, 11:30 A.M.
Grand Gallery C (lower level), DeVos Place Convention Center

The annual meeting of the Michigan Vegetable Council (MVC) will include director elections and reports on activities. All members are welcome.

EXPO BANQUET

WEDNESDAY, DECEMBER 8, 6:30 P.M.
Ambassador Ballroom, Amway Grand Plaza Hotel

The banquet will feature a serving of Michigan foods and wines. The program features recognition of people for outstanding service to our fruit and vegetable industries. This year's recipients of the Fruit and Vegetable Industry Scholarships and Jordan Tatter Scholarships will be recognized as well. And the winning entries in this year's Cider Contest will be announced.

Tickets are \$40. Advance purchase through registration is recommended. A limited number of tickets will be available at registration until noon on Wednesday.

FRUIT AND VEGETABLE 40 UNDER 40 AWARDS

TUESDAY, DECEMBER 7, 2021, 4:30 PM – 5:30 PM
Genius Bar Stage

Hosted by Great American Media Services

EXPO HIGHLIGHTS

TRADE SHOW

The EXPO's trade show is one of the largest shows for fruit and vegetable growers, greenhouse growers and farm marketers in North America! In 2019, 477 companies and organizations

exhibited products and services in the trade show. This year's show is expected to be even bigger! There will again be an additional exhibit area featuring farm market vendors, other product vendors and information booths. Trade show hours will be 8:00 a.m. to 5:30 p.m. on Tuesday and Wednesday, and 8:00 a.m. to 1:00 p.m. on Thursday. Be sure to plan enough time to see all the exhibits. New in 2021, live art work demonstrations, a photo booth, and more.

EDUCATION PROGRAM

The following pages give you a glimpse into the extensive educational sessions available at the Great Lakes Expo.

Certification Credit Changes For 2021

Many of the education sessions will offer credits for Michigan and Ohio Private and Commercial Pesticide Applicators and Certified Crop Advisors. In the past these credits were requested via bubble sheets. This year a new system will be implemented where those interested in credits will fill out an online survey at the end of each session providing credits. The survey will be filled out using a personal mobile device. For those who would rather not fill out the request in the classroom, they may take a code to a booth in the Grand Gallery and fill out a computer or paper form. More exact details will be provided as the Expo approaches.

Genius Bar Stage

Attendees will want to make their way to the far side of the Exhibit Hall for the Genius Bar Stage. This Genius Bar Stage will host 45 minute Genius Bar sessions, where industry experts will be able to answer your questions: Enviroweather, Apples, Cherries, Vegetable Diseases - Dr Mary Hausbeck and Doug Higgins (Post-doctoral Research Associate), Sprayer Technology, Nematology - Dr Marisol Quintanilla and lab.

The Genius Bar Stage will also host:
Fruit and Vegetable 40 Under 40 Awards

Tuesday, December 8, 4:30pm – 5:30pm

Vegetable Industry Networking Event - Everyone welcome. Drinks and snacks available. Including retirement presentations for John Bakker (Michigan asparagus and carrots) and Brian Bursiek (Pickle Packers International)

Wednesday, Dec 8, 4:00pm-5:30pm

Weeding Tool Walk-Through - Grab a beer and join experienced growers on a guided tour of cultivation tools on the trade-show floor.

Sign Up: Limited to 20 participants on a first come first serve basis. Visit the MSU Extension Booth to sign up and get your ticket.

Wednesday, Dec 8, 4:30pm-5:30pm

Morgan Composting inc.



4353 US 10, Sears, MI / 231-734-2451 / www.DAIRYDOO.com

The Organic Way to Address Soil Health – DAIRY DOO!

For healthy plants, you need to start with healthy soils.



Popular National Brand vs Seed Starter 101

Seed Starter 101

Includes Mycorrhizal Fungi for quicker germination and plant growth!

FlowerDoo 201

Complete soil made for flowers with extra phosphorus for bigger, brighter blooms!

VeggieDoo 301

Enriched with minerals to help produce more nutritious and delicious veggies!

Tree'nShrub

Used by nurseries for decades to give trees the healthiest start and most vibrant foliage.

GreenhouseDoo

All-purpose soil base made with 14 ingredients and a coarser texture for aeration and drainage!

Available in bulk and super sacks!



We DOO Organic Fertilizers Too!

Organic and balanced granulated fertilizer that is full of easily digestible nutrients!

High nitrogen organic granulated fertilizer that is rich in nitrogen and potassium, but contains zero phosphorus!



Place your 2022 order today by calling 231-734-2451!

SCHEDULE AT A GLANCE

Farm Marketing

Tuesday 9:00am - 11:00am

Farm Marketing 1

Tuesday 2:00pm - 4:00pm

Farm Marketing 2

Tuesday 4:00pm – 5:30pm

How to Market Your Farm Using
Web-based Tools to Find Your Ideal
Customer

Tuesday 5:30pm – 7:00pm

Farm Market and Agritourism
Roundtable

Wednesday 9:00am - 11:00am

Farm Marketing 3

Wednesday 2:00pm - 4:00pm

Farm Marketing 4

Thursday 9:00am - 11:00am

Farm Marketing Workshop 1

Farm Marketing Workshop 2

Farm Marketing Workshop 3

Fruit

Tuesday 9:00am - 11:00am

Berries

Chestnuts

Fruit Production Technologies

Sweet Cider

Tuesday 2:00pm – 4:00pm

Apple 1

Grapes

Wednesday 9:00am - 11:00am

Blueberry 1

Cherries

Peach and Plum

Wednesday 2:00pm - 4:00pm

Apple 2

Blueberry 2

Thursday 9:00am - 11:00am

Hard Cider

Managing Fruit Production in a
Changing Climate

Thursday 1:00pm – 3:00pm

Organic Fruit Production

General Interest

Tuesday 9:00am - 11:00am

Beginning Farmer 1

MDARD/FSA/Rural Development

Tuesday 1:00pm – 2:00pm

Bent Backs, Sore Knees &
Repetitive Motion

Tuesday 2:00pm – 4:00pm

Beginning Organic

Produce Safety

Wednesday 9:00am - 11:00am

Beginning Farmer 2

Irrigation

Labor 1

Wednesday 12:00pm - 1:00pm

MAEAP

Wednesday 2:00pm – 4:00pm

Ag Consumer Insights

Wednesday 2:00pm - 4:00pm

Labor 2

Large-Scale Organic

Soil Health & Cover Cropping

Thursday 9:00am - 11:00am

Farm Management

Farm Succession

Organic Marketing

Greenhouse

Tuesday 9:00am

Tiny Game Hunting: Common
Practices and Tips for Making the
Most of Your Scouting Program

Keep the Plant Sales Momentum
Moving

Tuesday 10:00am

Big Picture Biocontrol: A Multi-
faceted Approach to Greenhouse
IPM

Developing a Fertilizer Program for
Greenhouse Crops

SCHEDULE AT A GLANCE

Tuesday 2:00pm

Battling Botrytis in the Greenhouse
Beyond the Basics: PGRs for Crop Improvement

Tuesday 3:00pm

Advances in Downy Mildew Control and Greenhouse Disease Recommendations

Best-Performing Annuals and Perennials in Michigan

Wednesday 9:00am

Recognizing and Preventing Ethylene Damage in the Greenhouse

Wednesday 10:00am

Guidance on Selecting Substrates and Substrate Suppliers

Wednesday 2:00pm

Tropicals, Succulents, and Cacti, Oh My!

Keeping the Weeds at Bay: Recommendations for Greenhouse Weed Control

Wednesday 3:00pm

Next Generation Substrates: Peat-Reduced and Peat-Free Options

Using Biostimulants to Improve Greenhouse Crop Quality

Thursday 1:00pm

Cut Flowers

Vegetable

Tuesday 9:00am - 11:00am

Asparagus

Pickling Cucumber

Tomato/Pepper/Eggplant

Tuesday 2:00pm - 4:00pm

Carrots

Celery

Corn & Beans Succotash

Hightunnel & Greenhouse Vegetable Production

Wednesday 9:00am - 11:00am

Onion

Vine Crops

Wednesday 2:00pm - 4:00pm

Celery

Greens & Herbs

Mechanical Cultivation

Thursday 1:00pm - 3:00pm

Organic Vegetable Production

FARM MARKETING

Tuesday

9:00 AM - 11:00 AM

Farm Marketing 1

Welcome and Keynote

Michigan Agritourism Association Update

- Janice Benson - Michigan Agritourism Association
- Wendy Winkel - Grandpa Tiny's Farm

The Blake Farms Story

- Lonnie Decker - Blake Farms

Thriving with the Farm Market

What does it take to make your farm market a success? Three main things: driving the right customers to visit, building the right agritourism events that bring the right customers, and knowing your financial numbers. In this presentation keynote, Michael will share from his own experience with markets, and share principles and techniques to grow your market and build the business you want. You'll leave inspired to keep going, Confident you know what to add next year, and armed with tricks to grow your business.

- Michael Kilpatrick - Growing Farmers

2:00 PM - 4:00 PM

Farm Marketing 2

Outdoor Recreation Opportunities On Your Farm

Offering Year-Round Recreation Opportunities at Pond Hill Farm

Learn how Pond Hill Farm has utilized outdoor recreation activities like hiking and cross-country skiing to engage customers year-round.

- Jimmy Spencer - Pond Hill Farm

Developing Unique On-Farm Recreation Events: Lessons Learned from Scholl Farms Run-a-Muck

Stu Scholl, from Scholl Farms will walk the audience through lessons they have learned from hosting the annual Run-a-Muck event, a 5k cross country race complete with mud pits.

- Stu Scholl - Scholl Farms

4:00 PM - 5:30 PM

How to Market Your Farm Using Web-based Tools to Find Your Ideal Customer

What are the new tools that farm marketers are using to grow and profit? Online. And its easier (and far cheaper) to reach more of the right people than ever before!! In this information packed session, we will dive into what you need to get started and profit with online tools! In this session you'll discover:

- Listing services to list where people are actually searching for you
- Simple Facebook strategies that get you talking to your ideal customer
- How to take great photos and use them to boost your marketing
- How to simplify your message and create a one liner that resonates with your customers
 - Michael Kilpatrick - Growing Farmers

5:30 PM – 7:00 PM

Agritourism Roundtable

Wednesday

9:00 AM - 11:00 AM

Farm Marketing 3

Strategic Farm Diversification

Flower Subscriptions and Hosting Hands-on Fall and Winter Floral Workshops

- Suzi Batdorff - Viavi Flower Farm

Bringing Music to Shagbark Farm

- John Crissman - Shagbark Farm

Music and More at the Lively Farm

- Kelly Lively - The Lively Farm
- Jane Lively - The Lively Farm
- Jim Lively - The Lively Farm

2:00 PM - 4:00 PM

Farm Marketing 4

U-nique U-picks

A panel of experienced guests will share their experience with u-pick fruits, veggies, flowers, and foraged foods.

- Lonnie Decker - Blake Farms
- Terry Hooper - Hooper's Farm Gardens

Thursday

9:00 AM - 11:00 AM

Farm Marketing Workshop 1

Agritourism 101

Attracting More Customers Through Agritainment

Learn how agritourism can bring your farm to life! From group tours, summer camps, festivals and events learn how to attract more customers to your farm through agriculture. Learn the basics of how agritourism can help grow your business and how unique activities and attractions can engage your customers and enhance your farm's experience. This session will teach you how to bring your current agritourism offerings to the next level or how to start offering your own agritourism attractions at your farm.

- Kaley Pittsley - Blake's Orchard and Cider Mill

Farmer-to-Farmer Support - Resources and Tools for Farmers Experiencing Stress

Taking care of an agritourism operation can be hard. Caring for your own health and wellness in this high-stress profession is often overlooked but is just as critical as caring for your business. Through this workshop, a panel of farmers will share their stories alongside our experts with Michigan State University Extension who will provide an overview of stressors that farmers often encounter, share best practices for connecting farmers and their families with resources, unpack the detrimental impact of stress on the body, and provide information on how to recognize some of the signs of stress and suicide. Additionally, participants will be introduced to local and national resources that have been developed to support the farming community.

- Remington Rice - Michigan State University Extension
- Eric Karbowski - Michigan State University Extension

FARM MARKETING

9:00 AM - 11:00 AM

Farm Marketing Workshop 2

Planning for Safety - An Important Part Of Your Farm Agritourism

Learn how to develop safe spaces for your agritourism visitors to engage with your farm. A focus will be placed on creating safe play spaces for children. Safety is an important aspect of your agritourism operation and when included in planning and development can decrease liability for the farm operators.

- Marsha Salzwedel - National Children's Center for Rural and Agricultural Health and Safety

9:00 AM - 11:00 AM

Farm Marketing Workshop 3

Dried Flower Arrangements

Simple and Delightful Dried Flower Arrangements to Sell or Offer as a DIY Workshop

- Jennifer Duensing - Illinois Country Harvest



MICHIGAN STATE HORTICULTURAL SOCIETY 150TH ANNIVERSARY 1870-2020

MISSION: SUPPORTING THE MICHIGAN FRUIT INDUSTRY
THROUGH RESEARCH AND EDUCATION

RAFFLE: GREAT LAKES EXPO DEC 7-9, 2021



\$20/ticket or 3 for \$50 — All proceeds from the raffle will support the MSHS Trust.

GRAND PRIZE: Kubota RTV520

SECONDARY PRIZES: chainsaw, leaf blower, loppers, gift cards, and more!

Secondary drawings Tuesday and Wednesday. Grand Prize drawing Thursday.

The MSHS Trust funds research and positions at MSU.

Stop by the MSHS Trust booth in the Grand Gallery for free giveaways

Plan to walk through the historical timeline

- To include photos and facts from 1870-2020
- To include antique farming tools and historical reports

DONATIONS REQUESTED: \$150 in honor of 150 years

Donate online or at the Expo — www.mihortsociety.com

FRUIT

Tuesday

9:00 AM - 11:00 AM

Berries

Integrating Non-chemical Strategies to Minimize Impacts of Insect Pests in Berry Crops

- Rufus Isaacs - Michigan State University

Update on the Management of Gray Mold in Strawberries

- Safa Alsohairy - Michigan State University
- Tim Miles - Michigan State University

Bush Fruit to Boost Your Bank Account

- Brian R. Smith - University of Wisconsin-River Falls

Use and Management of Pesticides Under Different Weather Conditions

- Carlos Garcia-Salazar - Michigan State University Extension

Chestnuts

Chestnut Production Basics

- Erin Lizotte - Michigan State University Extension
- Rob Sirrine - Michigan State University Extension

Michigan Chestnut Industry Overview

- Roger Blackwell - Chestnut Growers Inc.
- Dan Guyer - Michigan State University

Chestnut Grower Insights

- Corey Allen - Midwest Chestnut Producers Council
- Roger Blackwell - Chestnut Growers Inc.

Panel Discussion

- Roger Blackwell - Chestnut Growers Inc.
- Dan Guyer - Michigan State University
- Mario Mandujano - Michigan State University
- Rob Sirrine - Michigan State University Extension

Fruit Production Technologies

Expanding Enviroweather with Personal Weather Stations: A New Initiative for More Weather Information

- Keith Mason - Michigan State University

Drone-Based Chemical Application in Fruit Production Systems

Combining Disease Warning System With Intelligent Airblast Sprayer for Targeted Pesticide Delivery

- Jose Gonzalez-Acuna - Iowa State University

The Secondary Impacts of Implementing New Technology on the Farm

- Mark Ledebuhr - Application Insight, LLC

Sweet Cider

Value-added Innovations that Really Sell!

- Sara Reisinger - Leaman's Green Applebarn

MDARD Food Division Cider Mill Update

- MDARD Representative

Sweet Cider Supplier Panel

2:00 PM - 4:00 PM

Apple I

Tree Fruit Entomology Update

Best Management Practices for Pollinator Protection in Apples

- Julianna Wilson - Michigan State University

Managing Lenticel Breakdown

- Randy Beaudry - Michigan State University

Nutrient Management: Precise Timing and Methods for Nitrogen Application

- Bernardita Sallato C - Washington State University

Grower Experiences With Fertigation (Panel Discussion)

Grapes

Vines to Wines, What does it Take?

- Gary Pavlis - Rutgers University

An Overview of the Clean Plant Network to Clean Plant Centers/Programs and Nursery Protocols, Testing, Growing, Shipping, etc.

- Jay Jensen - Novavine

Detection Tools and What Diagnostics can Tell us About Grape Diseases

- Tim Miles - Michigan State University

Plant Problems? Here's How to Collect and Submit Samples for Diagnosis.

- Laura Miles - Michigan State University

Wednesday

9:00 AM - 11:00 AM

Cherries

How To Identify Nutrient Needs and Limiting Factors In Our Cherry Orchards

- Bernardita Sallato C - Washington State University

Hunting Down the Elusive Water Bud Stage in Montmorency Tart Cherry

- Todd Einhorn - Michigan State University

Understanding the Challenges of Controlling American Brown Rot in Sweet Cherry

- George Sundin - Michigan State University

Peach & Plum

Orchard and Environmental Factors Affecting Productivity, Harvest and Postharvest Quality of Peaches

- Ioannis Minas - Colorado State University

Improved Peach and Plum Training Systems for Efficient and Sustainable Future Orchards

- Ignasi Iglesias - Agromillora

New Peach Varieties for the Michigan Fruit Industry

- William Shane - Michigan State University

FRUIT

9:00 AM - 11:30AM

Blueberry I

What's New in SWD management?

- Rufus Isaacs - Michigan State University

Nematodes Management in Blueberry Fields

- Marisol Quintanilla-Tornel - Michigan State University

Blueberry Weed Management

- Sushila Chaudhari – Michigan State University

Blueberry Irrigation

- Younsuk Dong – Michigan State University
- Lyndon Kelley - Michigan State University Extension

2:00 PM - 4:00 PM

Apple II

The Latest and Greatest in Fire Blight and Apple Scab Management

- George Sundin - Michigan State University

Michigan Apple Committee Update

- Diane Smith - Michigan Apple Committee

Metamitron and ACC: Trial Results for new Thinning Materials

- Phil Schwallier - Michigan State University Extension
- Anna Wallis - Michigan State University Extension

A Modified, User-friendly Fruit Growth Rate Model to Predict Fruit Set and Inform Thinning Decisions

- Todd Einhorn - Michigan State University

The Optimal Stub Length for Renewing Apple Limbs Differs According to Cultivar

- Todd Einhorn - Michigan State University

Multileader Planting Systems for Apples: Grower Experiences (Panel Discussion)

2:00 PM - 4:00 PM

Blueberry II

Evolving Management Strategies For Blueberry Fruit Rots

- Tim Miles - Michigan State University

Fertilizing Highbush Blueberries: Where we Were and Where we are Now

- Gary Pavlis - Rutgers University

Highbush Blueberry Cultivar Development in the Michigan State University Blueberry Breeding Program

- Pat Edger - Michigan State University

Grower Panel: Experiences With New Blueberry Cultivars

What Has Your Commission Been Working on in 2021?

- Nancy Nyquist - Michigan Blueberry Commission

Thursday

9:00 AM - 11:00 AM

Hard Cider

Crop Load Management in High-Tannin Cider Apples

- David Zakalik - Cornell University

Professional Resources for Cidermakers: A Discussion with the Cider Institute of North America

- Brighid O'Keane - Cider Institute of North America

GLINTCAP Re-Cap 2021

Managing Fruit Production in a Changing Climate

Outlook for Climate Change and Impact on Agriculture

- Jeff Andresen - Michigan State University

Short and Long Term Strategies for Climate Resilient Fruit Production (Pests, Diseases, and Physiology)

Marketing Challenges and Opportunities Around Environmental Stewardship

2:00 PM - 4:00 PM

Organic Fruit Production

A New Humidity Based Model for Sooty Blotch and Flyspeck in Apples

- Jose Gonzalez-Acuna - Iowa State University

Post Harvest Management of Fruit Wastes to Manage Spotted-Wing Drosophila

- Matthew Grieshop - Michigan State University
- Charlotte Schuttler - Michigan State University

GENERAL INTEREST

Tuesday

9:00 AM - 11:00 AM

Beginning Farmer 1

Beginning Farmer Meet and Greet and Trade Show Visit for Beginning Farmers

Beginning farmers are invited to meet one another and ag resource persons. Meet, talk, discuss then join us for a tour focused on supplies and equipment relevant to many beginning farmers.

- Vicki Morrone - Michigan State University

MDARD/FSA/Rural Development

MI Dept of Agriculture & Rural Development – Tips on Preparing and Applying for Grants

- Amy Bearss - MDARD

Grants, Cost Shares, Payments: Put USDA to Work for Your Farm

- David Russ - USDA FSA
- Savannah Halleaux - USDA FSA

USDA Rural Development Guaranteed Loan and Grant Programs for Agricultural Producers and Small Businesses

- Lisa Epple - USDA Rural Development
- Bobbie Morrison - USDA Rural Development
- Donald Mulson - USDA Rural Development

1:00 PM - 2:00 PM

AgrAbility

Bent Backs, Sore Knees & Repetitive Motion

Learn about assistive devices and methods to reduce pain caused by working in awkward positions for long days on the farm. Crawling along or walking bent over carrying a bucket or basket is a way of life for many fruit and vegetable growers. Plastic mulch and mechanical transplanters reduce the efforts of planting and weed control, but there is no way around harvesting. Bent backs and crawling along rows is a necessity for producers of vegetables and strawberries. Repetitive motions transplanting seedlings, hoeing, picking sweet corn, and lifting baskets take their toll on farmers. AgrAbility can help you figure out how to work productively and feel better at the end of the day.

- Ned Stoller - Michigan AgrAbility

Funding Equipment to Keep Working With a Medical Condition

Funding is available to help growers with medical conditions purchase necessary tools and equipment so they can continue their careers in agriculture. Learn about Michigan Rehabilitation Services (MRS), a state agency with the mission of helping people with disabilities find and keep their jobs. MRS has a special fund set aside for farmers struggling with medical conditions to get the equipment needed to keep working. The requirements to qualify are 1) selling at least \$10,000 of produce annually or earning minimum wage, 2) having a medical record indicating a medical condition limiting ability to do work tasks, and 3) working legally in Michigan.

- Chelsey Morrison - Michigan Rehabilitation Services

2:00 PM - 4:00 PM

Beginning Organic

Getting Started with Enviroweather: Weather Information for Beginning Farmers

- Keith Mason - Michigan State University

Food Bank Produce Boxes: Opportunities for Farms and Food Outreach Organizations

- Mark Longstroth - Michigan State University Extension, Retired

Testing the Soil for an Improved Soil Health Plan

- Donna Brandt - University of Missouri

Organic Marketing

How CFAP Funding Can Sell your Product and Address Food Insecurity

- David Coveyou - Coveyou Scenic Farm

Collaborative Marketing options: Urban Farming in Partnership with the Community

- Aliza Ghaffari - Magnolia Farms

Produce Safety

Wood or Plastic: Which Bin Types are Best From a Food Safety Perspective

- Matthew Taylor - Texas A&M University

Finding Your Way Through the Draft Traceability Rule

- Jennifer Pulcifer - North Bay Produce

Cyclospora in Produce: What is this all About?

- Kalmia Kniel - University of Delaware

2021 Produce Safety Inspection Highlights

- Joe Smith - MDARD

Wednesday

9:00 AM - 11:00 AM

Agriculture Technology

The Potential of Proximal Sensing as a Tool for Nondestructive Plant Virus Identification Using Potato Virus Y (PVY) as a Case Study

- Esmaeil Nazrollahiazar - Michigan State University Extension

Drone-based Chemical Application in Vegetable Growing Systems

Expanding Enviroweather with Personal Weather Stations: A New Initiative for More Weather Information

- Keith Mason – Michigan State University

The Secondary Impacts of Implementing New Technology on the Farm

- Mark Ledebuhr – Application Insight LLC

Beginning Farmer 2

Farm Budgets - Planning Now For Profits

- Jon Laporte - MSU Extension

GENERAL INTEREST

Mapping and Mentoring: Next Steps for Beginning Farmers

- Katie Brandt - MSU Student Organic Farm

Choosing Vegetable Varieties for Success ... Choosing the Varieties That Work Best for You

- Andre Cantelmo - Heron Pond Farm

Q & A Session

Climate and Sustainability

Overview of Sustainability and Observed Climate Trends (tent)

- Jeff Andresen - Michigan State University
- Keith Mason - Michigan State University

Renewable Energy Options On-farm (tent)

Sustainable Soil Health and Fertility Management

- Zack Hayden - Michigan State University

Enhancing Biodiversity to Increase Ecosystem Services (tent)

- Douglas A. Landis - Michigan State University

Labor 1

Developing and Supporting a Productive Workforce

- Michael Kilpatrick - Growing Farmers

Health Care Options for Employers and Employees

- Carlton Pilger - Fisher/Phillips

Employer Assisted Housing Under Contemporary Views

- Craig Anderson - Michigan Farm Bureau

Large Scale Organic

Organic Vegetable Fertility and Cover Crop Research Update

- Alyssa Tarrant - Michigan State University

Advances in Robotics and Steaming for Organic Weed Management

- Steven Fennimore - University of California - Davis

One Grower's Evolution from Conventional to Organic Apple Production

- Jim Koan - Almar Orchards & Cidery

12:00 PM - 1:00 PM

MAEAP -

Michigan Agriculture Environmental Assurance Program

- Emily Reinart – Michigan Farm Bureau

2:00 PM - 4:00 PM

Ag Consumer Insights

Evaluating the Feasibility of Direct Sales

- Michael Kilpatrick - Growing Farmers

So you Want to Sell Direct to Consumers

- Trey Malone - Michigan State University

Discussion with Q&A

Irrigation

Choosing the Right Irrigation System for You

- Lyndon Kelley, Michigan State University

Improving Irrigation Management Using Sensor Technology

- Younsuk Dong - Michigan State University

Building Trust in Model Predictions with Real World Data

- Todd Feenstra - Midwest Water Stewards

Capacity of Water Withdrawal in Michigan

- Steve Miller - Michigan State University

Labor 2

H-2A and Ag Labor Regulatory Update

- Michael Marsh - National Council of Agricultural Employers

Pro-gress, or Con-gress? Status and Outlook for Ag Workforce Reform

- Craig Regelbrugge - AmericanHort

Tips, Updates, and Reminders: Filling out the Ag Labor survey, Ag Related Tax Updates & H-2A Tax Related Reminders

- Adam Kantrovich - Clemson University

Soil Health & Cover Cropping

Soil Health Measurements and Their Role in a Soil Health Plan

- Donna Brandt - University of Missouri

Cover Cropping and Soil Health Strategies for Intensive Vegetable Production

- George McManus - L.H. Piggott & Girls Farm
- Colleen Forrestieri - Van Buren Conservation District

Cover Crops and Conservation Tillage in Specialty Crops

- Nathan Clarke - Clarke Farms

Thursday

9:00 AM - 11:00 AM

Farm Management

FSMA Produce Safety Rule. Fact or Fiction. Real Questions. Real Answers

- Emily Hollingsworth - MDARD
- Joe Smith - MDARD

Worker Protection Standards (WPS) Returns to Full Enforcement: The WPS Guide for Agricultural Employers in Michigan

- Craig Anderson - Michigan Farm Bureau
- Antonio Escobar - MDARD
- Teresa Hendricks – Migrant Legal Aid

Farm Succession

Moderator: Ron Goldy, Michigan State University Extension

Living on Love and Buying on Time: Financial Strategies for Making Succession Plans Work for Everyone

- Ben Barkow - Barkow Law Company

Farm Succession Panel: Experiences From Growers Working Through Succession Planning

- Larry Bodtke - Cornerstone Ag
- Ed Robinette - Robinette's Apple Haus & Winery
- Nate Stafford - Cornerstone Ag
- Allan Robinette - Robinette's Apple Haus & Winery

GREENHOUSE

Tuesday

9:00 AM

Greenhouse 1

Tiny Game Hunting: Common Practices and Tips for Making the Most of Your Scouting Program

Jeremy and Carly will discuss various scouting methods, good scouting practices, and how to spot signs of an infestation. They'll review common pests in greenhouse floriculture crops and provide some suggestions on how to organize and communicate scouting data.

- Jeremy Jubenville - Michigan State University Extension
- Carly Kelly-Scholtz - Plant Products

Greenhouse 2

Keep the Plant Sales Momentum Moving

COVID-19 restrictions brought out many plant buyers all across the country. Recent consumer research shows some of their reasons for purchasing plants and Bridget will discuss some ways to continue to capitalize on their interest in plants.

- Bridget Behe - Michigan State University

10:00 AM

Greenhouse 3

Big Picture Biocontrol: A Multi-faceted Approach to Greenhouse IPM

Join Veronica Cervantes, Biobest product manager for microbials, as she discusses a systems approach to greenhouse IPM using examples and insight from 20+ years of experience in the pest management and biological control industries.

- Veronica Cervantes - Biobest USA

Greenhouse 4

Developing a Fertilizer Program for Greenhouse Crops

Greenhouse growers use a wide array of fertilizers, but sometimes the type and concentration are not based on your crops, substrate, or water characteristics. In this presentation, you will learn how to develop a fertilizer program for your specific application to ensure adequate but not excessive fertility.

- Chris Currey - Iowa State University

2:00 PM

Greenhouse 5

Battling Botrytis in the Greenhouse

Growers will learn the newest strategies to manage Botrytis. Information on fungicide resistance and how to rotate products effectively will be discussed.

- Mary Hausbeck - Michigan State University
- Nikki Lukasko - Michigan State University

Greenhouse 6

Beyond the Basics: PGRs for Crop Improvement

Growth regulators are commonly used to inhibit extension growth and produce appropriately sized plants for their containers. However, there are also growth regulators that promote branching, inhibit flowering, delay leaf yellowing, and promote growth. This session will focus on how to successfully use and expand your growth regulator toolbox.

- Chris Currey - Iowa State University

3:00 PM

Greenhouse 7

Best-Performing Annuals and Perennials in Michigan

Each year, hundreds of cultivars of flowering annuals and herbaceous perennials are trialed and displayed by participants of the Michigan Garden Plant Tour. Hear about the 2021 highlights from the MSU Trial Garden, Four Star Greenhouse, Mast Young Plants, Raker-Roberta's Young Plants, Pell's Greenhouse, and Walters Gardens.

- Brian Weesies - Mast Young Plants
- Andrew Jager - Walters Gardens
- Daedre McGrath - Michigan State University
- Greg Michalak - Raker-Roberta's
- Sue Maliszewski - Four Star Greenhouses

Greenhouse 8

Advances in Downy Mildew Control and Greenhouse Disease Recommendations

Take advantage of the information from MSU trials to recognize and stop the most troublesome pathogens in their tracks. Learn how to prevent the outbreaks that cause profit losses.

- Blair Harlan - Michigan State University
- Mary Hausbeck - Michigan State University

Wednesday

9:00 AM

Greenhouse 9

Recognizing and Preventing Ethylene Damage in the Greenhouse

Ethylene is a gas that is produced by plants and from the incomplete combustion of fuels like propane. Ethylene causes abnormal growth, leaf yellowing, and early flower death. This problem can be difficult to diagnose and may lead to crop losses. In this session, you will learn which plants are sensitive to ethylene, symptoms of ethylene damage, sources of ethylene, and what to do to prevent or remediate ethylene damage. Dr. Jones often measures air samples for growers and will talk about how to collect and submit samples for testing.

- Michelle Jones - Ohio State University

GREENHOUSE

Greenhouse 10 (ends at 10:15am)

Latest and Greatest from 2021 MSU Research Projects

Learn from the experts about biorational products for powdery mildew, WPS training resources, PGR microdrench applications, foliage plant propagation, controlling liverwort, and the 2021 Trial Garden Internship.

- Blair Harlan - Michigan State University
- Jeremy Jubenville - Michigan State University Extension
- Dr. Roberto Lopez - Michigan State University
- Daedre McGrath - Michigan State University
- Debalina Saha - Michigan State University

10:00 AM

Greenhouse 11

Guidance on Selecting Substrates and Substrate Suppliers

Knowing which soilless substrate (growing media) to choose can be a difficult task for growers, especially with the number of new products being offered on the market today. Sometimes equally as daunting is how to choose the best substrate supplier among the many that are seeking your business. This presentation will cover checklists that growers can use to help them select the best substrate product for their operation as well as some suggestions on how to choose suppliers.

- Brian Jackson - North Carolina State University

2:00 PM

Greenhouse 12

Tropicals, Succulents, and Cacti, Oh My!

Incorporating succulents, tropical plants, and traditional houseplants into combination planters was hot during the spring of 2021. Growers can discover how to design colorful, distinctive, and interesting containers and learn about the top succulent and tropical plant performers from the ongoing MSU container trials.

- Heidi Lindberg - Michigan State University Extension
- Daedre McGrath - Michigan State University

Greenhouse 13

Keeping the Weeds at Bay: Recommendations for Greenhouse Weed Control

Controlling weeds in the greenhouses is an important aspect, as they can compete with ornamental plants for soil, nutrients, water, light, and space within the container. As a result, there is a decrease in the quality, aesthetic, and market value of the ornamental plants, sometimes ornamental crops can die due to severe competition with a heavy infestation of weed species. Hence, managing weeds inside the greenhouse is an immediate need to improve the quality and market value of ornamentals and to increase the profit margins of growers.

3:00 PM

Greenhouse 14

Next Generation Substrates: Peat-Reduced and Peat-Free Options

For Peat's Sake! The current and future use of peat moss in the horticulture industry is a topic of great interest and

discussion in recent years. This presentation will provide some facts surrounding peat harvesting and sustainability, peat supplies and availability, as well as the motives of the "peat free" initiatives we see progressing around the globe. We will also discuss the latest research and industry developments in non-peat growing media and highlight the challenges and opportunities associated with these materials.

- Brian Jackson - North Carolina State University

Greenhouse 15

Using Biostimulants to Improve Greenhouse Crop Quality

Biostimulants are products that promise a lot, but do they deliver? Biostimulants include microbial and nonmicrobial ingredients that improve plant health and resilience, leading to better quality crops with increased stress tolerance. Dr. Jones will discuss how biostimulants work, how to select biostimulants, and how to set up a trial in your greenhouse to determine if you will get the desired effects in your production environment.

- Michelle Jones – Ohio State University

Thursday

1:00 PM

Greenhouse 16

Dried flowers: Selection, Post-Harvest Handling, and Drying Techniques

Jennifer Duensing from Illinois Country Harvest walks us through their dried flower production process and shares some important lessons they learned along the way.

- Jennifer Duensing - Illinois Country Harvest

Starting Right from the Roots Up. Soil Health Basics and Tips

Join Christina and Paul, soil health and cover crop educators with MSU Extension, as they cover some of the most important things to know about soil management.

- Christina Curell - Michigan State University Extension
- Paul Gross - Michigan State University Extension

What's Happening to My Plants?

Dr. Jan Byrne, plant pathologist at Michigan State University, discusses a variety of common diseases seen in floriculture crops.

- Jan Byrne - Michigan State University

Managing Light to Improve Specialty Cut Flower Yield and Profits

Light is an environmental factor that can have a significant influence on the quality of specialty cut flowers. Michigan State University PhD student and Dave Dowling Scholarship recipient Caleb Spall will provide growers with information on how they can manipulate light quantity and duration during both the seedling and flowering stages to improve stem length and harvestable yield, and reduce production time of long- and short-day requiring specialty cut flowers.

- Caleb Spall - Michigan State University Student Horticulture Association

VEGETABLE

Tuesday

9:00 AM - 11:00 AM

Asparagus

Asparagus Industry Update

- Jamie Clover-Adams - Michigan Asparagus Advisory Board

Asparagus Pathology Update

- Mary Hausbeck - Michigan State University

Predicting When Asparagus Pops in Spring

- Daniel Brainard - Michigan State University
- Daniel Priddy - Michigan State University

Investigating Controlled Atmosphere Storage of Asparagus

- Randy Beaudry - Michigan State University

Pickling Cucumber

Downy Mildew: New Insights on Control

- Mary Hausbeck - Michigan State University

Weed Control Update on Pickling Cucumber

- Sushila Chaudhari - Michigan State University

Breeding for Disease Resistance in cucumber

- Rebecca Grumet - Michigan State University

Enhancing Food Safety Efforts with 3rd Party Verification of Crop Inputs

- Phil Neff - Critereon Company

Tomato/Pepper/Eggplant

What is the Future of Tomatoes and Peppers

- Scott Calandra – Meijer
- Ben Schmidt - Robinson Fresh
- Josh Kirschenbaum - PanAmerican Seed
- Dennis Thome - Sakata Seed America
- John Schramski - Seminis Seeds
- Ken Fine - Johnny's Selected Seeds
- Bryan Stuart - Enza Zaden
- Bejo Seeds Representative
- Ryan Kingma – Harris Moran Seed Co.

2:00 PM - 4:00 PM

Carrots

High Tech Carrots 1: Drone Imagery for Measuring Plant Nitrogen Status

- Zack Hayden - Michigan State University

LOL: Leaving out Linuron and Controlling Weeds

- Dennis Van Dyk - Ontario Ministry of Agriculture, Food & Rural Affairs

High Tech Carrots 2: Weed Electrocutation

- Sushila Chaudhari - Michigan State University

Oilseed Radish Cover Crops and Nematodes in Carrots

- Marisol Quintanilla-Tornel - Michigan State University

2:00 PM - 4:00 PM

Corn & Beans Succotash

0-Legged Pests (Diseases)

- Marty Chilvers - Michigan State University

2-Legged Pests

- James Dedecker - Michigan State University Extension

4-Legged Pests

- James Dedecker - Michigan State University Extension

6-Legged Pests

- Zsafia Szendrei - Michigan State University

Hightunnel & Greenhouse Vegetables

Greenhouse Tomato Production and Just a Little on Pruning Greenhouse-Grown Cucumbers

- Dr. Rick Snyder - Mississippi State University

Producing High-Quality and Uniform Vegetable Transplants

- Dr. Roberto Lopez - Michigan State University

When Bad Things Happen To Good Tomatoes?

- Dr. Rick Snyder - Mississippi State University

Wednesday

9:00 AM - 11:00 AM

Onion

Onion Thrips Update and Maggot Control in a World Without Lorsban

- Brian Nault - Cornell University

Venturing into Organic Thrips Control in Onions

- Zsafia Szendrei - Michigan State University

Onion Pathology Update

- Mary Hausbeck - Michigan State University
- Doug Higgins - Michigan State University

Onion Weed Control Update

- Sushila Chaudhari - Michigan State University

Vine Crops

Vine Crop Production 101

- Benjamin Phillips - Michigan State University Extension

Phytophthora Crown Rot and Fruit Rot, and Powdery Mildew for Fresh Market Growers

- Mary Hausbeck - Michigan State University
- Doug Higgins - Michigan State University

Wilt it Ever Stop? Managing Wilts Caused by Insects

- Zsafia Szendrei - Michigan State University

VEGETABLE

2:00 PM - 4:00 PM

Celery

Celery Pathology Update

- Mary Hausbeck - Michigan State University
- Annika Peterson - Michigan State University

Celery Weed Control Update

- Sushila Chaudhari - Michigan State University

Oilseed Radish Cover Crops and Northern Root Knot Nematode

- Marisol Quintanilla-Tornel - Michigan State University

Greens & Herbs

Controlled Environment Specialty Greens

- Chris Currey - Iowa State University

Controlled Environment Herbs

- Chris Currey - Iowa State University

Protect Your Pesto: Strategies to Limit Basil Downy Mildew

- Mary Hausbeck - Michigan State University

Microgreen Production Crash Course

- Brian Bates - Bear Creek Organic Farm

Thursday

9:00 AM - 11:00 AM

Mechanical Cultivation

Californian Perspectives on Camera Guidance and Robotic Cultivation in Veggies

- Steven Fennimore - University of California, Davis

Grower Panel: Farmer Perspectives on Mechanical Cultivation at Various Scales

- Hans Bishop - PrairieErth Farm
- Jared Oomen - Oomen Farms

2:00 PM - 4:00 PM

Organic Vegetable Production

Understanding a Soil Test for Organic Farming

- Donna Brandt – University of Missouri

From Steam to Steal, System Approaches to Weed Management

- Andre Cantelmo – Heron Pond Farm

Key Ah-hah Moments Toward Better Farm Management

- Andre Cantelmo – Heron Pond Farm

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REGISTRATION, LODGING

Pre-register for the EXPO

Register Online at <https://glexpo.com/gl-expo-registration/>

One registration fee covers admission to the trade show and all education sessions offered by both conferences. You can register by using the form on the back cover, the link above, or the REGISTRATION menu at GLEXP.O. COM. The same form registers you for the Great Lakes Fruit, Vegetable and Farm Market EXPO and the Michigan Greenhouse Growers EXPO.

See the registration form on the back cover for registration fees. The regular registration fees include free subscriptions to the publications listed on the back of the registration form. The fruit, vegetable and fruit/vegetable options under the regular registration fees also include membership in the Michigan State Horticultural Society and/or the Michigan Vegetable Council.

Pre-register by November 15, 2021 for lower registration fees and to save time when you arrive at the EXPO. You save \$20 on regular registration fees and \$5 on Thursday Only and Spouse registration fees if you register by November 15, 2021. Pre-registration also assures you can purchase tickets for the special events you want to attend.

If you pre-register by November 15, 2021, your receipt, name badge, and any special event tickets you order will be mailed to you prior to the EXPO. When you arrive in Grand Rapids, visit the Pre-Registration table in the Grand Gallery to skip the lines by picking up your badge holder and program and go directly to the trade show or education sessions.

Register at the EXPO

For the convenience of those arriving in Grand Rapids the day before the EXPO opens, **early registration will be open on Monday, December 6 from 4 p.m. to 6 p.m. During the EXPO, registration will open at 7:30 a.m. each day.** Registration will be open until 5 p.m. on Tuesday and Wednesday and until noon on Thursday. The registration area will be located in the Grand Gallery of DeVos Place Convention Center. The entrance to DeVos Place is on Monroe Street. The enclosed walkway from the Amway Grand Plaza Hotel can also be used to enter the convention center.

Special Thursday Registration Fee

A special registration fee is available for admission to the trade show and education sessions on Thursday. The fee is \$50 for pre-registration and \$55 for registration at the EXPO. This special registration fee is good for Thursday ONLY. If you pre-register at the reduced rate and decide to attend on Tuesday or Wednesday, you will have to pay the regular onsite registration fee. The trade show will be open from 8 a.m. to 1 p.m. on Thursday. A Thursday-only registration does not include the free subscription offers that are included with the regular registration fees. It also does not include membership in the Michigan State Horticultural Society or the Michigan Vegetable Council.

LODGING

Amway Hotel Collection

We recommend the hotels of the Amway Hotel Collection for your lodging needs. Unfortunately, most of our room blocks at these hotels were sold out before this brochure went to press. We book nearly all the rooms in the

Amway Grand Plaza and have large room blocks in the Courtyard by Marriott Downtown and the JW Marriott. For the dates that are sold out, these hotels may have a limited number of rooms available at their standard rates.

To check online for the availability of rooms at convention rates in the Amway Hotel Collection, use the link on the EXPO's website to their Passkey website. Here's information on convention room rates for the hotels of the Amway Hotel Collection (mention group code GREAT LAKES EXPO):

Amway Grand Plaza Hotel (connects to DeVos Place Convention Center through an enclosed walkway); 187 Monroe Avenue NW (auto lobby entrance is on Pearl Street), Grand Rapids 49503; 800-253-3590, 616-774-2000 **Hotel SOLD OUT for 2021**

Courtyard by Marriott Downtown (connects to the Amway Grand Plaza Hotel through an enclosed walkway); 11 Monroe Avenue NW, Grand Rapids 49503; 877-901-6632, 616-242-6000; convention room rates are \$138 for up to four persons, with a \$10 daily charge for self-parking. **HOTEL SOLD OUT FOR 2021**

JW Marriott (across the street from the Amway Grand Plaza Hotel); 235 Louis Street NW, Grand Rapids 49503; 877-901-6632, 616-242-1500; convention room rate is \$201 for up to four persons, with a \$10 daily charge for self-parking.

ROOM CANCELLATIONS AT THE AMWAY GRAND PLAZA HOTEL, COURTYARD BY MARRIOTT AND JW MARRIOTT:

These hotels will charge one night's lodging for each room canceled after November 16, 2021. Note that some additional rooms at convention rates might become available around the deadline for room cancellations.

RESERVATIONS THAT INCLUDE TUESDAY EVENING WILL REQUIRE A TWO-NIGHT MINIMUM STAY.

OTHER HOTELS OFFERING CONVENTION RATES

(mention group code **GREAT LAKES EXPO**)

Holiday Inn Downtown (about three blocks west of DeVos Place Convention Center); 310 Pearl Street NW, Grand Rapids 49504, 616-235-7611; convention room rates are \$116 for a standard double/double room and \$152 for a feature double/double room (make reservation by November 22).

FOR A COMPLETE LIST OF AREA HOTELS, CALL EXPERIENCE GRAND RAPIDS AT 800-678-9859 OR VISIT EXPERIENCEGR.COM.

IMPORTANT: It has come to our attention that a company is inaccurately representing itself as the Great Lakes EXPO's "housing vendor" and is contacting Great Lakes EXPO exhibitors and attendees, offering to make hotel reservations on your behalf in the EXPO's room block.

The Great Lakes EXPO is NOT utilizing the services of ANY housing vendor. Do not make your hotel reservations through any outside entity. If you provide your credit card information to any of these unauthorized vendors, your card may be charged but you may not have a reservation when you arrive in Grand Rapids.

If you have any questions about the Great Lakes EXPO's hotel block, please contact Brandy McCallum-Martin Convention Services Manager, at Experience Grand Rapids, 616-233-3543 or bmccallum@experiencegr.com.

2021 EXHIBITORS

A & B Packing Equipment
A & L Great Lakes Laboratories Inc
A.M.A. Horticulture Inc.
A1 Mist Sprayers (Co.name: Valley Industries)
Action Mold & Machining
ADAMA
Adams County Nursery
Advancing Alternatives
Advantage Label & Packaging
Ag Nutrition, LLC
Ag-Liner, Inc
AgroFresh
Agro-K Corporation
AgroLiquid
AgTec Sprayers - (Superb Horticulture)
AIM4G LLC
AI - Par Peat
Alliance Analytical Laboratories
All-Weather Seal
Alta Material Handling
American Fruit Grower (Meister Media Worldwide - see also American Vegetable Grower)
American Takii Inc
American Vegetable Grower (Meister Media Worldwide - see also American Fruit Grower)
AquaPulse Systems
Aqueus LLC
Argent Tape and Label
Arlene Resource Management
A-ROO Company LLC
ASA-Lift
Avian Enterprises, LLC
Barkow Law Company, PLLC
Barrett Donut Mixes. Inc.
Bartlett Instrument Company
BASF
Bay Shore Sales
Bayer Crop Science
Bayer Ornamentals
BDi Machine Sales Co.
Bejo Seeds Inc
Berkel Midwest Sales & Service
BFG Supply Company
Biobest
BioSafe Systems
BioWorks, Inc
Bowsmith Inc
BRANDT
Brown Dairy Equipment Company
BW Integrated Systems
C & O Nursery
Certis Bio
Chem Fresh / C-LFM
ChoiceOne Bank
Clifton Seed Company
Consumers Energy
Corr Choice
Corteva Agriscience
Country Folks Grower
Country Home Creations
Crookham Company (was abbott/cobb)
Crushing Mechanics No Carpet needed
Cushman Creek Supply
Custom Conveyor Concepts
David Chapman Agency
Decco US Post-Harvest Inc.
DeGrandchamp Farms Inc.
Dillman Farm, Inc
Dinky Flat Filler
Discount Bakery Equipment
Doug Brown Packaging Products
Douglas Plant Health
Drape Net North America
Durand-Wayland, Inc
Ecojiva, LLC
Elmwood Ag Services
Endeavor Ag & Energy
ESS Universal
Evans Manufacturing Company
Farm Bureau Insurance
Farm News Media (Great Lakes Ag Labor Services)
Farm Services Inc
Farmco Distributing Inc
Farmer's Choice Food Brands Inc
Filler Specialties
Fine Americas Inc
Fisher Refrigeration Inc
FMC Corp. Agricultural Solutions
Food Bank Council of Michigan
Forrest Keeling Nursery
Fresh QC / VirtualOne Software
GDS Associates, Inc
George F. Ackerman Co, Inc
Georgia-Pacific Corrugated
Gilbert Sales & Service
Gillison's Variety Fabrication, Inc
Gintec Shade Technologies, Inc
Glacier Valley Ent.
Good Fruit Grower
Gowan Seed Company
Gowan USA
Great American Media Services
Great Lakes IPM
GreenStar Cooperative, Inc
GreenStone Farm Credit Services
Gripple Inc.
H2A Complete II
Haley Manufacturing, Inc
Harbor America
Harris Seeds
Harvest Lugs (dba Summa Plastics)
Harvest Solar
Haven Harvesters
Head Honchos, LLC
Heartnut Grove - WWT
Helena Agri-Enterprises, LLC
Hello Nature
Herbruck Poultry Ranch, Inc
Hillside Orchard Farms
Hilltop Fruit Trees LLC
HJV Equipment
HM.CLAUSE Inc
Holland Transplanter Co.
Hollar Seeds
HopsHarvester
Hull Lift Truck Inc.
Huron Fruit Systems
Hybrid Seed Co.
Industrial Brush Corporation
International Paper
International Plant Management
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Jessen Coaching
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KAF Sales & Marketing
Kent Equipment
Kietzer Farms
Kooljet Refrigeration
Koppert Biological Systems
KPC

2021 EXHIBITORS

Krieger's Nursery
Kronen Corp.
LaGasse Machine & Fabrication, Inc
Lakeview Greenhouses & Farm Ltd.
Lallemand Plant Care (was Jet Harvest)
Leach Food Equipment Distributors
LeafFilter Gutter Protection
Louis Gelder & Sons
MACMA
MAS Labor
Mast Young Plants
May Farms
MazePlay Inc.
Michigan Dept of Agricultural & Rural Development-Pesticides & Plant Pest Mgmt Division
Mechanical Transplanter Co
Meister Media Worldwide
Michigan Ag Today
Michigan AgrAbility
Michigan Agritourism Association
Michigan Apple Committee *2020 sponsorship only
Michigan Asparagus Advisory Board
Michigan Cherry Committee
Michigan Dept of Ag
Agricultural & Foreign Labor Services - MI Dept of Labor & Economic Opportunity
Michigan Farm Bureau
Michigan On-Farm Produce Safety Team - NPO
Michigan Peat
Michigan State Horticultural Society Trust
Michigan Valley Irrigation
Michigan Vegetable Council
Mid-Michigan Agronomy
Migratory Bird Management LLC
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MM Sprayers USA
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Modern Woodmen Fraternal Financial
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Monte Package Company
Morgan Composting
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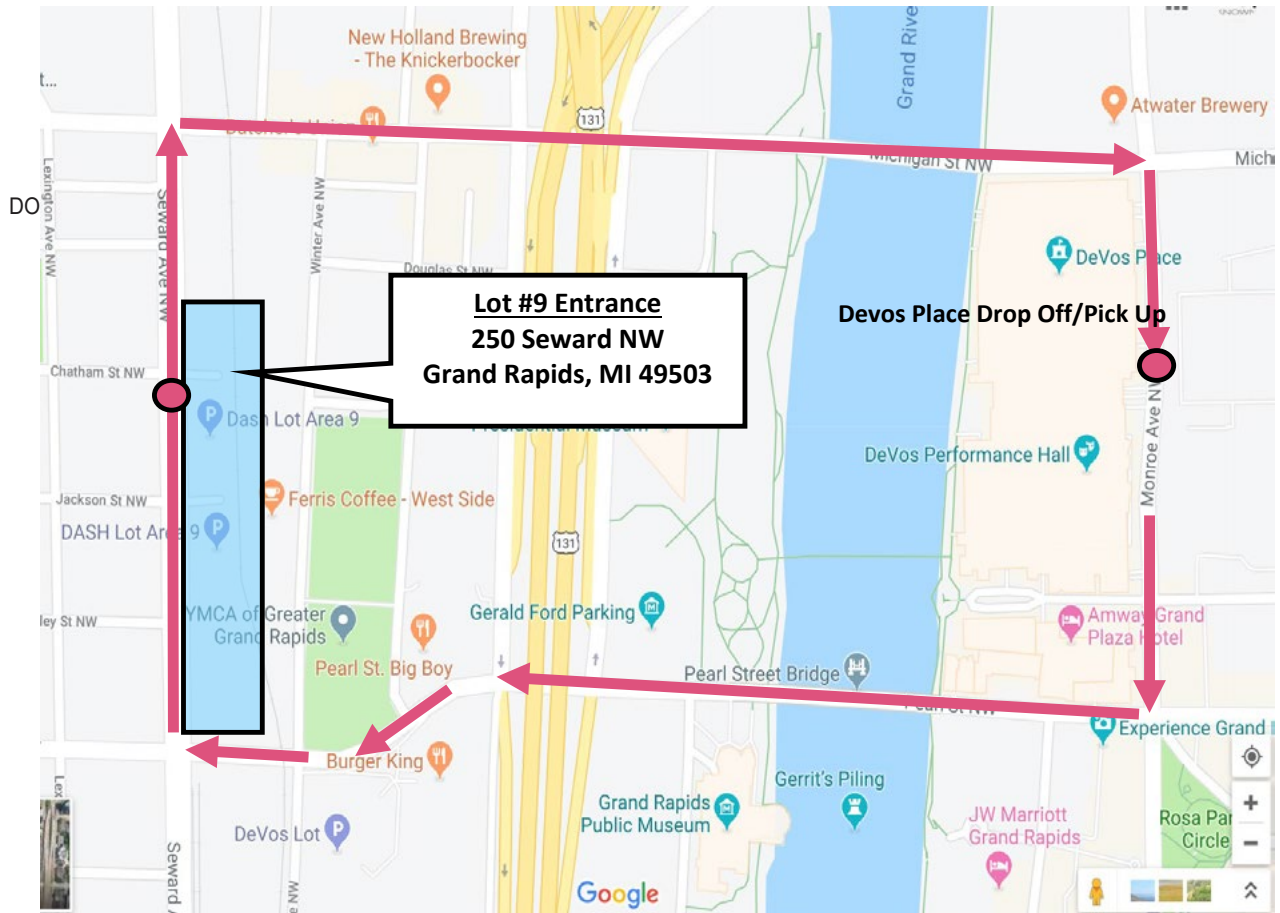
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National MarketMaker Network
Nichino America
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NutriAg Ltd
Nutrien Ag Solutions
Ocean Organics Corp
OESCO, Inc
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Osborne Quality Seeds
Outdoor Adventures
Oxbo International Corp.
Pace International
Packaging Personified, Inc.
PanAmerican Seed
Paul Boers Manufacturing
Peach Ridge Orchard Supply, Inc
Phil Brown Welding Corp.
Phytocultures LTD
Plant Products USA
PlantTape
Precise Manufacturing / Ridge Automation
Precision Mazes
Premier Containers (1983) Inc
Premier Tech Horticulture
Provide Agro Corporation & NM Bartlett Inc
Pursell
Putnam Plastics - Farm Products
Pyramid Publishing
Quest Products LLC
Reeman Farm Equipment
Reister's Grower Services
RH Wiles Sales
Ridge Quest/Deploy Technologies
Rimol Greenhouse Systems
Rispen Seeds Inc
River City Insurance Group
Rockford Package Supply
Roof Basket Works
Rose Timmer and Associates
Rowleys Wholesale
Rupp Seeds Inc
Sakata Seed America
Seal-Tec
Searles Cleaning Systems

Seedway,
Shawnee Canning Co. Inc.
Silveus Insurance Group
Spectrum Technologies, Inc
Spray Innovations
Spring Brook Supply
ST Biologicals
Stan Peterson Fruit Tree Sales
Stokes Blueberry Farm & Nursery
Stokes Seeds Inc
Storage Control Systems, Inc.
Summit Tree Sales
Summit Laboratory
Sustainable Produce Containers/Sun Sugar Farms
Syngenta Crop Protection, LLC
System Clean Inc.
T3 Technologies Inc.
Techmark
Tew Manufacturing Corp
The Blueberry Store
The Jump Pad
Thomas Bros Equipment Sales
ThorPack, LLC
Thunderbird Plastics
Timac Agro USA
Time Portal LLC
TOMRA Food
TotalGrow Lights
Tree Connection
Trickl-Eez Irrigation Inc.
TriEst Ag Group
Triple K Irrigation
UPL
USDA - NASS Great Lakes Region
Valent U.S.A.
Van Well Nursery
Vandenberg Horticulture
Verdesian
Vestaron
Vilmorin North America
Waffler Nursery
Wahlfield Drilling Co Inc
WECO The Science of Optical Sorting
Wilbur-Ellis
Willow Drive Nursery
Willsie Equipment Sales Inc
Windridge Implements
Zirk Welding & Irrigation Inc

\$2.00 Parking & Free Shuttle to the Devos Place!

To help our attendees with more affordable parking options Great Lakes Expo will offer free trolley service for our attendees to and from the DeVos Place!

We will run a dedicated Trolley from DASH Area Lot #9 (just a few blocks over the river) to the front of DeVos Place Convention Center. The Shuttle will run every 7-10 minutes on a loop during published times.



- LEGEND**
- Trolley Route
 - Trolley Stops
 - DASH Parking Lot



Parking Services Department
50 Ottawa Ave. NW
Grand Rapids, Michigan 49503
(616) 456-3290

SCHEDULE:

Monday, December 6	8:30 am to 6:30 pm
Tuesday, December 7	7:00 am to 6:30 pm
Wednesday, December 8	7:00 am to 6:30 pm
Thursday, December 9	7:00 am to 5:00 pm

The Complimentary Trolley pictured below will run on a 7- 10 minute loop. Each day the shuttle will start at the published times with the last shuttle leaving at the listed time.

There are also fee based parking lots under and around Devos Place is you choose not to use the shuttle. The show **DOES NOT** reimburse or validate **ANY PARKING**.

FREE SUBSCRIPTION INFORMATION

Fruit (#1), Vegetable (#2), Greenhouse (#3), and Fruit/Vegetable (#4) Regular Registration Fees include the following free subscriptions:

1. U.S. residents receive FREE one-year subscriptions to **Fruit Growers News** and **American Fruit Grower**. Residents of Canada receive a FREE one-year subscription to **The Grower** (published by the Ontario Fruit and Vegetable Growers' Association). MSHS Life Member registrations also receive these subscriptions.
2. U.S. residents receive FREE one-year subscriptions to **Vegetable Growers News** and **American Vegetable Grower**. Residents of Canada receive a FREE one-year subscription to **The Grower** (published by the Ontario Fruit and Vegetable Growers' Association).
3. U.S. and Canadian residents receive a FREE one-year subscriptions to **GrowerTalks**. U.S. residents also receive a FREE one-year subscription to **Greenhouse Grower** and **Greenhouse Product News**.
4. U.S. residents receive FREE one-year subscriptions to **Fruit Growers News**, **American Fruit Grower**, **Vegetable Growers News** and **American Vegetable Grower**. MSHS Life Member/ Vegetable registrations also receive these subscriptions.

☐ **Please check here if you do not want these free publications.**

OPTIONAL FREE SUBSCRIPTIONS: Check the box if you are a U.S. resident and want to receive:

☐ **Country Folks Grower**

☐ **Growing**

☐ **The Grower's 2022 Expo Show Issue** (Ontario Fruit & Vegetable Grower's Association)

PERMISSION TO USE PHOTOS: Please be aware that this registration form also serves as an agreement to appear in photographs taken at the 2021 Great Lakes Fruit, Vegetable & Farm Market EXPO and the Michigan Greenhouse Growers EXPO. These photos may be used for publicity or general information purposes and may be seen by the general public.

HOTEL: Do you plan to stay at one of these hotels during the EXPO? ☐ Amway Grand Plaza ☐ JW Marriott ☐ Courtyard by Marriott

Your receipt, name badge and any special event tickets you purchase will be mailed to you if registered by 11/15/21. Any registrations received after 11/15/21 will have the ability to self-print at Self-print Kiosks in the Amway Grand Plaza Hotel 2nd floor near the Skywalk entrance, as well as in the Grand Gallery at the DeVos Place. These self-print kiosks will be open starting Monday, December 6 at 4:00 PM. If you need additional assistance staff members will be present to provide help with badge printing. Full refunds will be provided if a cancellation request is received by 12/7/21.



Great Lakes EXPO
376374 Five Mile Rd. #399
Livonia, MI 48154

REGISTER ONLINE AT glexpo.com/gl-expo-registration

2021 REGISTRATION FORM

Pre-Registration Deadline for lower registration fees and to receive name badges by mail is November 15, 2021. Online registration is open through this date.

A SEPARATE FORM IS REQUIRED FOR EACH REGISTRANT EXCEPT FOR SPOUSE AND CHILDREN. PLEASE COPY FORM IF NECESSARY. You can also register or print a registration form from the Great Lakes EXPO website at GLEXP.O.com. Registration questions: Call 734-239-8027 or email jtalik@glexpo.com.

REGULAR REGISTRATION FEES*

See back of form for free subscription offers.

	By 11/15/21	Onsite	Total
<input type="checkbox"/> Fruit (#1 on back of form)	\$85	\$105	\$ _____
<input type="checkbox"/> Vegetable (#2 on back of form)	\$85	\$105	\$ _____
<input type="checkbox"/> Greenhouse (#3 on back of form)	\$85	\$105	\$ _____
<input type="checkbox"/> Fruit/Vegetable (#4 on back of form)	\$95	\$115	\$ _____

***Business Discount** – Farm, farm market and greenhouse businesses with 4 or more regular registrations can deduct \$10 from each registration. This is only available through pre-registration and does not apply to special registration categories. To receive the discount, registrations must be submitted together online or by mail or fax.

SPECIAL REGISTRATION FEES

<input type="checkbox"/> Thursday Only	\$50	\$55	\$ _____
<input type="checkbox"/> Horticultural Society Life Member (New Life Memberships are not available (See #1 on back of form))	\$50	\$65	\$ _____
<input type="checkbox"/> Horticultural Society Life Member & Vegetable Registration (See #4 on back of form.)	\$60	\$75	\$ _____
<input type="checkbox"/> College Student and MSU Staff (Students must provide a copy of college ID)	\$25	\$25	\$ _____
<input type="checkbox"/> Spouse (Name: _____)	\$35	\$40	\$ _____
<input type="checkbox"/> Children 18 and under are Free Name(s) and Age(s): _____	Free	Free	Free

BUS TOURS and SPECIAL EVENTS

Indicate number of tickets for each event and total amount. Email or fax required at top of form if you register for a bus tour.

Monday, December 6

<input type="checkbox"/> Farm Market Bus Tour	_____ @ \$155*	\$ _____
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* Late Registration after 11/15: \$189 and subject to availability

Wednesday, December 8

<input type="checkbox"/> Prayer Breakfast (7:00 am)	_____ @ \$22	\$ _____
<input type="checkbox"/> Expo Banquet (6:30 pm)	_____ @ \$40	\$ _____

CONTRIBUTION FOR FRUIT AND VEGETABLE RESEARCH AND EDUCATION

The following funds provide financial support for research and educational projects beneficial to fruit and vegetable growers. Contributions to these funds are deductible on federal income tax returns. You will receive a receipt by mail for your tax deductible contribution.

<input type="checkbox"/> Contribution to the Michigan State Horticultural Society Trust Fund	\$ _____
<input type="checkbox"/> Contribution to the Michigan Vegetable Council Fund	\$ _____

TOTAL AMOUNT DUE (All payments must be made in U.S. Dollars) \$ _____

PRE-REGISTER BY 11/15/2021 TO SAVE \$\$\$ AND TIME

Save \$\$\$\$: \$20 savings on regular registration fees. **Save Time:** Your receipt, name badge and any special event tickets you purchase will be mailed to you if registered by 11/15/21. Any registrations received after 11/15/21 will have the ability to self-print at Self-print Kiosks in the Amway Grand Plaza Hotel 2nd floor near the Skywalk entrance, as well as in the Grand Gallery at the DeVos Place. These self-print kiosks will be open starting Monday, December 6 at 4:00 PM. If you need additional assistance staff members will be present to provide help with badge printing. Full refunds will be provided if a cancellation request is received by 12/7/21.

Registration and Membership Information: Your registration, except for Thursday Only registrations, provides admission for all three days to the trade show and all education sessions. The bus tours and special events require additional registration fees. For everyone paying the Fruit or Vegetable Regular Registration fee, registration includes membership in the Michigan State Horticultural Society (Fruit) or the Michigan Vegetable Council (Vegetable). The Fruit/Vegetable Regular Registration fee includes membership in both organizations.

CHECK ALL THAT APPLY:

- ☐ FRUIT GROWER (also check crops grown)
☐ Apples ☐ Cherries ☐ Peaches ☐ Pears ☐ Plums
☐ Blueberries ☐ Grapes ☐ Strawberries
☐ Raspberries/Blackberries ☐ Other Small Fruit
☐ Organic Fruit
- ☐ VEGETABLE GROWER (also check crops grown)
☐ Asparagus ☐ Carrots ☐ Celery ☐ Cole Crops ☐ Peppers
☐ Pickling Cucumbers ☐ Pumpkins ☐ Squash ☐ Onions
☐ Potatoes ☐ Snap Beans ☐ Sweet Corn ☐ Tomatoes
☐ Other Veg Crops ☐ Organic Vegetables

FARM SIZE

- ☐ < 10 Acres ☐ 10-200 Acres ☐ > 200 Acres

GREENHOUSE GROWER

FARM MARKETER

AG SUPPORT BUSINESS

CONTACT INFORMATION

Print Name as it appears on credit card _____

Billing Street Address of Credit Card _____

Billing City/State/Zip _____

Email _____ Telephone _____

PAYMENT INFORMATION

Payment must accompany this form: Mail to: Great Lakes Expo,
376374 Five Mile Rd. #399, Livonia, MI 48154.

Email: jtalik@glexpo.com

Payment by Check: Check # _____

Make check payable to: Great Lakes EXPO

Payment by Credit Card: ☐ Visa ☐ Mastercard

☐ Discover ☐ American Express

Card Number _____

CVV Code (3 or 4-digit number on back of card) _____ Exp. Date _____

Cardholder Signature _____