Many gardeners dream of a day when they can build a greenhouse in their own backyard! The promise of a tropical year-round oasis, especially in the middle of winter, sounds amazing. While greenhouses seem out of reach for many, for some, they don’t have to be! Learn about the planning and components needed to build a greenhouse of your own – from foundation to glazing to heating. Then learn the basics of growing plants in a hobby greenhouse – from seedlings to succulents to an orchid collection!
Symposium Information

**Time:** Check-in and coffee begins at 8:15 AM. Presentations begin at 9:00 AM and run through 3:00 PM.

**Registration:**  
- **Early Bird:** $40 (before March 11th)  
- **Late:** $50 (call for availability)  

*Registrations limited to first 150 participants.*

Check-in will be on the second floor of the DMACC building, 600 N. 2nd Ave. W., Newton, Iowa 50208.  
*Enter Main DMACC doors on south side of building. Take stairs or elevator to the second floor.*

**Session selections:** Please rank your first, second and third choice, by marking a 1, 2, or 3 for each session choice on your registration forms. *Sessions will be filled on a first-come first-served basis as registration forms and payment are received in our office. If you do not rank the sessions in order of preference (1, 2 & 3), sessions will be assigned based on availability.*

**Walk-ins and late registrations:**  
Walk-in and late registrations will only be accepted on a space available basis. Lunch and some sessions may not be available for walk-ins. Walk-in and late registration fee: $50

**Lunch:** Available to all paid pre-registered participants.

**Cancellations and refunds:** Cancellations made before March 18, 2022 will receive a refund of their registration fee minus a $15 processing fee. Please note that refund checks take 2-4 weeks. No refund will be available for cancellations on or after March 18.

**Weather related changes:** Necessary notifications would be posted on the following Facebook pages:  
- Jasper County Master Gardeners  
- Iowa Master Gardeners

**General Information:** Conference rooms vary in temperature, please dress in layers!

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**Morning Breakout Sessions (10:45-11:45 am)**

**Yoga for Gardeners**  
*Veronica Grim*  
Gardeners can take advantage of all the benefits of yoga: Strength, Flexibility, Balance & Relaxation. We'll practice poses that are best for gardening enthusiasts.

**Making Landscapes Work for Wildlife**  
*Adam Janke and Kaycie Waters*  
Learn about simple steps to bring landscaping alive with birds, butterflies, and more. Explore ways to beautify the yard and provide critical habitats for migratory and resident birds year-round.

**Visual Impact: Tulips to Annuals**  
*Chandler Nunnikhoven*  
Want to tip toe through the tulips? Learn from City of Pella parks manager, Chandler Nunnikhoven on the tips, tricks, and methods on how Pella flowers look great every year. He will be covering the thought process behind choosing tulips and annuals for the various beds on bloom time, color impact, and site characteristics. You might even get a sneak peek at what is to come in this year’s growing season and some exciting new tulip varieties planted last fall for the upcoming Tulip Time.
P3: Pollinators, Plants, and People (Class size limited)

Lynn Campbell, Monarch Consortium

Did you know? Monarchs need milk weed and you can help them right now! Did you know? Native bees are important pollinators for OUR food supply. Join us to learn about: 1) Butterflies and native bees, 2) Plants are important to both pollinators and people, and 3) Ways that you can help with Pollinator Conservation! You will observe live monarch eggs, caterpillars chrysalis, monarch butterflies, and native bees. You will make a native bee nest that you can hang in your yard. You can be part of the solution!

Hops in the Home Garden

Kari Byrum

Hops and craft beer have never been more popular, but did you know they make a great garden plant too? Learn all about growing hops in Iowa from Cedar Falls Hops' Keri Byrum.

Lunching on the Landscape: An Introduction into Wild Foods

Chelsea Ewen Rowcliffe, Naturalist, Mitchell County Conservation Board

There is an entire grocery store of delicious, local, wild foods just waiting outside your backdoor! Join Mitchell County Conservation Naturalist, Chelsea Ewen Rowcliffe, to get a “taste of the wild”! This session will pique your curiosity with some common wild edibles; focusing on how to identify key features of wild edible plants, knowing when and what to sustainably harvest, how to prepare, and even sample some wild flavors.”

The Plants That Make Beer

Aaron Ostrem - Brand Ambassador - NoCoast Beer Co

We will be taking a look at the plants that combine to create one of the world's oldest and most iconic beverages. Take a tour through the grains used to brew beer and how they are processed from field to pint glass. The session will be topped off by tasting of some classic beer styles that were developed in different geographic regions throughout history. Cheers! (Must be 21 and show ID to taste)

Water Features for your Garden

By Jamie Beyer, Water Feature Consultant/Installer

There is a water feature for every landscape. Water Gardens are certainly popular, but not for everybody. A simple splash fountain or pondless waterfall may be the perfect addition, but without as much work. The sparkle and sound of water adds another dimension in all landscapes. What needs to be considered will be discussed for all types of water features. The maintenance involved with several different types of water features including water gardens will be an important part of the discussion. Jamie will tweak your interest in water in this presentation. Bring your questions and comments.

Pest Management for Fruit Trees

Suzanne Slack

Pest management for those looking for recommendations to spruce up backyard fruit trees. This session is ideal for those without a pesticide license. We’ll cover the basics of diseases from young to old trees with a focus on apple, pear, cherry, and plums.
SESSION SELECTIONS:

Some class sizes are limited
Please rank your first, second, and third choice for each session
by writing a 1, 2, or 3 by your selections

Sessions will be filled on a first-come first-served basis as registration forms and payment are received in our office.

If you do not rank the sessions in order of preference (1, 2, & 3), sessions will be assigned based on availability.

MORNING KEYNOTE (9:00 am—10:30 am)
Home Greenhouse Gardening (Keynote)

MORNING SESSION (10:45 am—11:45 pm)
______ Yoga for Gardeners (Class size limited)
______ Making Landscapes Work for Wildlife
______ Visual Impact: Tulips to Annuals

AFTERNOON SESSION A (12:30 pm—1:30 pm)
______ P3: Pollinators, Plants, and People (Class size limited)
______ Hops in the Home Garden
______ Lunching on Landscapes: An Introduction into Wild Foods

AFTERNOON SESSION B (1:45 pm—2:45 pm)
______ The Plants That Make Beer
______ Water Features for Your Garden
______ Pest Management for Fruit Trees

Sponsored by:

Registration Form

All registrations must be received by Friday, March 11, 2022

Name:____________________________________________________
Address:__________________________________________________
____________________________________________________________________________________
City, State, Zip:____________________________________________________
Phone Number:________________________________________________
Email:____________________________________________________
County:_____________________________________________________

A lunch will be provided. Special dietary options listed below
____ I need a vegetarian / vegan lunch
____ I need gluten-free lunch

Symposium Registration Instructions:

$40 (Lunch included)
Late Registration fee: $50
(March 11, 2022 or after - call for availability)

1. Fill out this form: Make sure you rank your choices.
   Mark your 1st, 2nd, & 3rd choice in each session.
2. Make checks payable to:
   Iowa State University Extension & Outreach, Jasper County
3. Mail payment and this registration form to:
   Iowa State University Extension
   550 N. 2nd Ave W.
   Newton, Iowa 50208

Questions? Call: 641-792-6433
Carol Camp campc@iastate.edu
www.extension.iastate.edu

The fees for service will be used to offset direct expenses and to support the Master Gardeners, Agriculture and Natural Resources County Extension Programs.