2022 Field to Fork
Upcoming Webinars

March 2  Good Gardening Practices: Safe and Healthy Produce
Barbara Ingham, professor and Extension food safety specialist, University of Wisconsin-Madison

March 9  Honey: Safety and Use
Shannon Coleman, assistant professor and Extension food safety specialist, Iowa State University
• Please complete the short online survey that will be emailed to you after today’s webinar. It will take just a couple minutes!
• Be sure to sign up for an opportunity to win a prize in the drawing. After submitting the survey, a form to fill out with your name/address will appear.

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February 23

Tips on Growing a Great Vegetable Garden

Tom Kalb, Extension horticulturist, NDSU
Tip 1

Location
Sun, water and drainage
Raised Beds

- Aesthetic
- Easy on the back
- No compaction
- Great drainage
- Warms up quickly
- Fewer weeds
Alkaline Copper Quaternary (ACQ)

- Recommended as a construction material for vegetable gardens.
- Contains no chemicals considered toxic by the EPA.

Environmental Soil Issues: Garden Use of Treated Lumber, Penn State University. 2002.
Other Lumber

Cedar
  ▪ Expensive

Untreated pine
  ▪ Short life

Railroad ties
  ▪ Toxic creosote
How wide?
Four feet

How deep?
6+ inches

Fabric?
Not necessary
Great Soil

- 1/3 Topsoil
- 1/3 Sand
- 1/3 Organic matter
Manure?

- Use composted manure
- Never use fresh manure after the garden is planted
- Thoroughly wash raw vegetables before eating
Soil Testing

- Get a soil test
- $19.50 investment
- Go 4–6 inches deep
Great Varieties

- Early maturing (100 days or less)
- High yields
- Resist diseases
- Outstanding flavor
- Locally adapted
HOME GARDEN VARIETY TRIALS

North Dakota Home Garden Variety Trials
To identify the best varieties for gardeners, it makes sense to test them in gardens.

Click here to receive the 2022 Seed Catalog

Looking Ahead to Spring 2022!

North Dakota State University works with volunteers every spring to identify the best varieties for gardeners. These trials have been conducted since 2008 with over 200 families participating every year.

The results from our 2021 trials are available.
The list of recommended vegetable cultivars for North Dakota in 2022 has been updated.

All gardeners in North Dakota are eligible to participate. We also work with gardeners in nearby counties of

www.ag.ndsu.edu/homegardenvarietytrials
Vegetable Cultivars for North Dakota

2022

The finance cultivars will lead to the finest garden. North Dakota State University and its landscapers of over 200 gardeners evaluate growing cultivars every summer. The following cultivars have excelled in those and others in the Midwest:

ASPARAGUS: Jersey Giant, Jersey Knight, Jersey Supreme, Milestone, Purple Passion.
CARROTS: Orange: Baltimore, Bolero, Candyman, Capri, Goldfinger, Flesco, Immunet 38, Laguna, Molokai, Napol, Nasco, Nova, Nuvole, Sacred Ama. Other: Cheddar Yellow, Purple Haze.
EGGPLANT: Black Beauty, Dinky, Fairy Tale, Millionaire, Orange Express.
GOURDS: Hail Thai Tair, Kit, Kiri, Subtropical, Variety, World America, Miro, Miro GQ, Nova Perla, Purple, Red Gurney, Tana, Togimunu, Tokyo Bokana, Vegetable Gold, Wi Shao Cao.
KOHLS: Early Winter Vienna, Kohler, Korsak, Winter Improved.
SWEET POTATO: Bojangles.
SWISS CHARD: Bolt, Big Leaf, Borsellino, Cavoli, Early, Improved Rave, Lovina, Oriza, Peppermint, Radiator.
HEARTBEAT: Brandywine, Cherokee Purple, Stuffed German, Wonder, Wisconsin 66.
TURNIP: Hakusai, Purple Top White, Globe, Tokyo Cross.

Seed Sources
The following is a sample of companies offering seeds. This list is provided for educational purposes only: no discrimination is intended and no endorsement is implied. Many other fine seeds are available.

AP Wholesale seed, www.apholse.com
Baker Creek Seed, www.bakers-creek.com
Burpee Seed, www.burpees.com
Eco Seed, www.ecoseed.com
Green’s Seed and Nursery, www.greenseeds.com
Harris seeds, www.harriss.com
High Mowing Seeds, www.highmowing.com
100 Seed, www.100seed.com
Johns’ Select Seeds, www.johnsselectseeds.com
Jordan’s Nuts, www.jordansnuts.com
Jung Seed, www.jungseed.com
Oseburn Seeds, www.oseburnseeds.com
Panera Garden Seeds, www.paneragarden.com
Prairie Road Seed, www.prairieroadseeds.com
Southwestern Exchange, www.southwesternexchange.com
Stokes Seeds, www.stokes.com
The Seed Co., www.theseedco.com
Tunbridge’s Mill Seed, www.tunbridgewiremill.com
Verity Seeds, www.verityseeds.com

All gardeners are invited to join our backyard researchers. Go to www.ag.ndsu.edu/gardenhome varietals/
Tomato
Tomato Vine Types

- **Determinate**
  - Compact vines
  - No pruning required; trellising optional
  - Early and concentrated yields

- **Indeterminate**
  - Tall, climbing vines
  - Requires pruning and trellising
  - Larger, more flavorful fruit over an extended period
Popular Tomato Varieties

- **Early Girl** (I) – early
- **Celebrity** (D) – reliable
- **Big Beef** (I) – beefsteak
- **Mountain Fresh Plus** (D) – fresh market
- **Supersweet 100** (I) – cherry
- **Roma** (D) – canning
Big Beef Plus
Sungold
Chef’s Choice
Bean
Filet Beans
American Dream
Cucumber
Buttercrunch
Crisphead / Batavia
Muir, Nevada
Peas
Sugar Ann
Neon
Lemon Basil
Tip 4

Watering
Watering

- Avoid overhead irrigation
- Irrigate in morning
- Water deeply, not frequently
- Mulch
Prevent Pests

- Physical barriers
- Control weeds
- Remove crop residue
- Avoid routine spraying
Natural Insecticides

- *Bacillus thuringiensis* (Bt)
- Spinosad
- Neem
- Insecticidal soap
Carbaryl
Pyrethroids
Prevent Diseases

- Disease-resistant varieties
- Space plants properly
- Avoid overhead irrigation
- Preventative sprays
  - Chlorothalonil, copper, sulfur
- Clean up the garden
Tip 7

Harvesting
Tip 8

Extend the Harvest
Spinach
Radish
Tatsoi
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