

Upcoming Webinars

 March 6 - Understanding Product Dating: Food Safety vs. Food Quality

- Byron Chaves-Elizondo, Assistant Professor and Extension Food Safety Specialist, University of Nebraska - Lincoln

 March 13 - Spuddles, Vader Tots and Small Fries: Let's Talk Potatoes!

- Susie Thompson, Plant Sciences Associate Professor, NDSU



- 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.

Acknowledgement: This project was supported by the U.S. Department of Agriculture's (USDA) Agricultural Marketing Service through 21SCBPND1069. Its contents are solely the responsibility of the authors and do not necessarily represent the official views of the USDA.



NDSU EXTENSION



Gardening With Arthritis and **Pain**

Esther McGinnis, Associate Professor and Horticulturist, NDSU

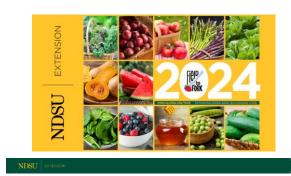


Nondiscrimination Statement

NDSU does not discriminate in its programs and activities on the basis of age, color, gender expression/identity, genetic information, marital status, national origin, participation in lawful off-campus activity, physical or mental disability, pregnancy, public assistance status, race, religion, sex, sexual orientation, spousal relationship to current employee, or veteran status, as applicable. Direct inquiries to Vice Provost, Title IX/ADA Coordinator, Old Main 201, (701) 231-7708, ndsu-eoaa@ndsu-edu.

NDSU EXTENSION





Gardening Is Good For Our Health

- Gardeners score higher in health indices (Van den Berg et al., 2010)
 Gardeners have more hand strength (Park et al. 2009)
- Nursing home residents are more engaged than those that don't garden (Powell et al. 1979)
- Increased functioning in dementia patients





Potential Barriers to Gardening

- Arthritis: collective term for over 100 conditions that involve inflammation of a joint and surrounding tissue
 - 50 million people
- Beyond arthritis, anyone that has pain with the following
 - Bending over
 - Kneeling
 - Pushing/pulling
 - · Lifting/carrying
 - Using tools



Outline





Is this your garden?

- In-ground garden may no longer work for you

 What type of garden will work for you as you age?

 What is the right size?

 - Is the garden location convenient?

 Proximity to water/automation





Knee Cutout Wheelchairs









Gardening While Sitting





Sit on the wide ledge







Courtesy of Hans Kande



Go Vertical!



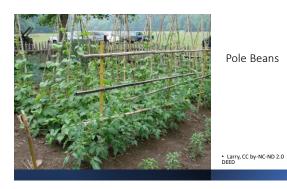
Grow Vining Crops



Trellis

Patrick, Flickr, CC by SA 2.0





Pole Beans



Cucumbers

Have your garden come to you!



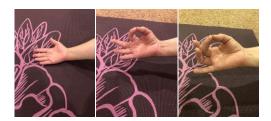






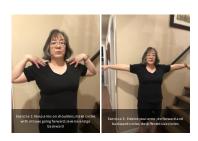


Arthritis Hand Warmups









Two Arthritis Shoulder Warmups Arthritis Hip Walk

• Sit in a straight-backed chair; walk forward by lifting one hip at a time; reverse and walk back



Arthritis Ankle Circle





- Exercise can be done from either a sitting or standing position; do slow circles with just the foot (not the leg); do the other foot
- Preceding exercises from Arthritis and Gardening: A Guide for Home Gardeners and Small-Scale Producers, AgrAbility and Arthritis Foundation

My Own Exercises









Exercise 2: Lie flat on the floor with your knees; gently lift your pelvis off the floor (10-30 secs.)



Side Stretches





Ergonomic Tools: designed for efficiency and comfort; minimize physical stress



Planting Bulbs or Transplanting



Shared Legacy Farms, YouTube



Shovels









D-Handles





Weeding



Stirrup/Hula Hoe



Hand Hoe



Pruning



Felco has numerous pruner models
Based on hand size
Right/left handed
Weight
Branch thickness
Revolving handle which reduces the necessary force





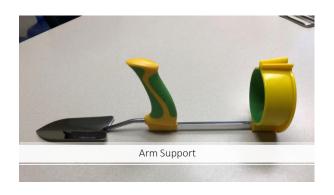


From Radius Garden

Pistol Grip Tools (The Wright Stuff)









Garden While Kneeling/Sitting





Garden While Sitting



Handy Cart



Questions?



NDSU EXTENSION