2019
Spring Webinar Series
2 p.m. CST

FIELD to FORK

EXTENDING KNOWLEDGE ➔ CHANGING LIVES

NDSU EXTENSION
Upcoming Webinars

• March 13 – Let’s Not Waste Food: Exploring Food Preservation and Composting
  – Julie Garden-Robinson, Food and Nutrition Specialist

• March 20 – One Potato, Two Potato, Three Potato, Four: Best Practices to Produce More
  – Susie Thompson, NDSU associate professor, Potato Breeding
Zoom Controls
Please Complete the Survey

• 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 grant 14-SCBGP-ND-0038.
Cool Fruits for Cold Climates:

- Selections from the Northern Hardy Fruit Evaluation Project

Kathy Wiederholt
Fruit Project Manager
NDSU - Carrington Research Extension Center
Regions of North Dakota

- Missouri Plateau
- Coteau
- Drift Prairie
- Red River Valley
CREC Hardy Fruit

- Apples
- Aronia
- Cherry trees
- Hardy SK Cherry
- Black Currants
- Red Currants
- White Currants

- Elderberry
- Gooseberry
- Haskap
- Honeyberry
- Juneberry
- Plums
- Grapes
Black, Red and White Currants
Black, Red and White Currants

• **Yield**
  - Black: 3-9 lbs/plant *dry land*
  - Red: 10-20 lbs/plant *dry land*

• **Notes**
  - Possible spring frost/flowering issues
  - Very high in vitamins and anthocyanins
  - Popular in European area, but almost unknown in US.
  - Hand harvest *late-July to mid-August*
Haskaps / Honeyberries
Haskaps / Honeyberries

• Yield
  – Russian: 3-6.5 lbs/plant (*var. dependent*)
  – Canadian: 3.0-5.9 lbs/plant (*Pollinizer issue?*)
  – Japanese: 1-5.7 lbs/plant (*4 yr old*)

• Notes
  – Cold-hardy bloom period
  – Early season production *mid June-July*
  – Some fruit clings, some drops early
  – Hand harvest – *many varieties shake off*
  – Birds! Netting required
Canadian Hardy Cherry
Canadian Hardy Cherry

• Yield
  – Carmine Jewel: 30 lbs/plant - 4\textsuperscript{th} year
    • 13-18% sugars
  – Crimson Passion: 9 lbs/plant - 3\textsuperscript{rd} year
    • 15-20% sugars

• Notes
  – Hardy, few plant diseases
  – Bark is loved by voles and mice
  – 2018 – 7\textsuperscript{th} year of SWD fruit damage
  – Easy to pick \textit{mid-late July}
  – Market not as developed in N Dakota
Juneberries

5 varieties – 100 plants in Variety Trial
Juneberries

• **Yield**
  - 4th year – 1.8 lbs/plant (2010)
  - 7th year – 3.8 lbs/plant (2013)
  - 10th year – 7.6 lbs/plant (2016)

• **Notes**
  - Well-known, well-loved
  - Native diseases
    • Wooly elm aphids, thrips, leaf & berry spot fungus, rust
  - Hand harvest *mid-July*
  - ‘Smoky’ – *Not recommended*
Aronia
Aronia

• **Yield**
  • 5th year: 13.9 lbs/plant
  • 9th year: 15.8 lbs/plant
    • Sweet: 17-18% sugars

• **Notes**
  • Very productive
  • Most healthful berry known
  • Market: wine, jelly, nutraceuticals
  • Insects: on leaves
    • *Pear slug sawflies and Lacebugs*
  • Hand harvest  *mid-September*
Grapes

- Bluebell
- **Brianna**
- **ES 6-16-30**
- Frontenac
- Frontenac Gris
- King of the North
- LaCrescent
- Louise Swenson
- **Marquette**

- MN 1200
- Petite Amie
- Prairie Star
- Sabrevois
- **Somerset Seedless**
- St. Croix
- St. Pepin
- **Valiant**
- Clinton
Thank you!

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