

**WSU Mount Vernon NWREC Summer Field Day
13 July 2017**

Field Day Agenda. 3:00 – 6:30 pm

The 2017 Summer Field day will showcase the Washington State University (WSU) Mount Vernon Northwestern Washington Research and Extension Center (NWREC) with outreach activities including commodity specific discussions featuring current research in potatoes, seeds, weeds, vegetables, cider, small fruit, grains, and dairy and livestock produced in the Skagit Valley. English-Spanish translation services will be provided.

Pre-Field Day Meetings:

- I. *Farm Advisory Meeting – 8am*
- II. *Future of Plant Pathology Meeting – 1pm*
- III. *NARF Board and Faculty Meeting – 2pm*

Formal Field Activities:

IV. Welcome, Introductions, Field Day Logistics - Chad Kruger 3:00 – 3:15 pm

Pesticide Credits – 2 (requires attending V and VI)

V. Research Station Showcase. 3:15 – 4:45 pm (Figure 1, Table 1)

Graduate student and faculty field research tour. Four stops, each with multiple speakers/stop. Brief introductions / and overviews of student and faculty research projects. (In-depth discussions will be held during the poster session following the tour).

VI. In-Depth Research Discussions: Poster Session / Continue Field Visits / Discussions. 4:45 – 5:30 pm

- Poster Session – Graduate students/researchers will provide in-depth discussions of their work in the Sakuma Auditorium.
- Optional Visits / return to experimental sites or on-station commercial research trials if desired

VII. Dinner and Gathering. 5:30 – 6:30 pm (Brief Program at 5:45)

- Chad Kruger, WSU Mount Vernon Director
- Rich Koenig, WSU CAHNRS Associate Dean
- Tom Thornton, NARF President.
- Special Presentation: Debbie Inglis and Lindsey duToit

Research Programs – Presentation / Poster Topics

**Subject to changes and substitutions*

Vegetable and Cider Horticulture

- Abigail Attavar and Pinki Devi. Vegetable propagation by grafting and its importance to growers
- Travis Alexander. Sensory evaluation of hand and machine harvested cider apples
- Shuresh Ghimire. Evaluating biodegradable plastic mulches for sweet corn production

Vegetable Pathology

- Dr. Debra Inglis. Foliar and tuber reactions of five fresh market potato cultivars with three Potato virus Y strains
- Dr. Lydia Tymon. The use of fungal endophytes as antagonists to *Verticillium dahliae*

Vegetable Seed Pathology

- John Weber. Effect of Contans WG and burial of sclerotia on survival of sclerotia of the white mold pathogen, *Sclerotinia sclerotiorum*, in the Columbia Basin of Washington
- Alex Batson. Identifying genetic factors that enable *Fusarium oxysporum* f. sp. *spinaciae* to infect spinach
- Shannon Carmody. Seed treatments to eradicate *Pyrenopeziza brassicae* from infected mustard (*Brassica juncea*) seed

Small Fruit Horticulture

- Rachel Rudolph. The effects of alleyway cover crops on *Pratylenchus penetrans* in florican red raspberry (*Rubus idaeus*) in the Pacific Northwest
- Matt Arrington. Foliar applications of calcium and boron in blueberry for improved fruit set
- Huan Zhang. Establishing raspberries with biodegradable mulches
- Clara Tevelde. Blueberry cultivar trial

Small Fruit Pathology

- Olga Kozhar. What do we know about population structure of *Botrytis cinerea* infecting small fruit in the Pacific Northwest?
- Dr. Dalphy Hartevelde. Mummyberry of blueberry.

Weed Science

- Wiharti Purba. Control of broadleaf dock

Entomology

- Dr. Beverly Gerdeman. Potential for early season control of spotted wing drosophila by predatory flies, Scathophagidae as a secondary benefit of manure amendments in red raspberry.

Food / Fermentation Science

- Bri Ewing. Managing Apple Maturity and Storage to Increase the Quality of Virginia Hard Ciders

Bread Lab

- Brigid Meints. Exploring the Nutritional Properties of Colored Barley (*Hordeum vulgare* L.)
- Bethany Econopouly. Buckwheat wheat breeding

CSANR

- Kate Smith. Next Generation Farmers: Impacts and Effectiveness of an Organic Bilingual Farm Incubator Program
- Tim Ewing, Georgine Yorgey and Chad Kruger. Anaerobic Digestion Systems
- Chris Benedict and Chad Kruger. Manure-derived fertilizer use in berry production systems