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Crop Conditions

(Bruce Bordelon, bordelon@purdue.edu, (765) 494-8212)

Apple harvest is ongoing with Pixie Crunch being picked this week. Grape harvest continues as the warmer conditions hasten ripening. Most growers are getting into late season varieties. Powdery mildew on grapes is worse than we've seen it in quite a while. Primocane blackberry harvest continues and most cultivars are still blooming so there is potential for another month of harvest. Hopefully cooler weather will improve fruit quality. Red raspberry harvest is about over. Paw paw harvest is on-going as warm temperatures hasten fruit drop.

Dr. Rick Foster spoke to the Hort 318 class this week about managing corn ear worm. The class also planted a fertilizer trial with cabbage, cauliflower, peas and beets.



Pixie Crunch apples at harvest



Chambourcin grapes ready for harvest soon



Powdery mildew outbreak on Chambourcin grapes



Nice primocane fruiting blackberry



Primocane fruiting blackberry in flower



Ripe paw paw



Paw paw harvest continues



Dr. Rick Foster discusses corn ear worm management with Hort 318 students



Cole crop planting for Hort 318

Harvest Continues

(Janna L Beckerman, jbeckerm@purdue.edu, (765) 494-4628)

As harvest continues, so does the summer rot saga, especially bitter rot. Multiple orchards are reporting significant to complete loss of Honeycrisp throughout the Midwest, in addition to other varieties. Honeycrisp is by far the worst hit, but it seems that Golden Delicious, Granny Smith, Cameo, Ida Red, Empire, Fuji and Gala have had problems in the past. If you are having problems on other varieties, please let me know. We have a trial underway to see if a preharvest application of captan or Merivon helps improve long-term storage options. I'll have the data to you for the winter horticultural congress in Indianapolis.



Apple black rot 3 varieties



Apple Honeycrisp brown rot



Apple Honeycrisp bitter rot sporulating



Apple white rot

Late Season Disease Management in Grapes

(Bruce Bordelon, bordelon@purdue.edu, (765) 494-8212)

We are seeing a lot of powdery and downy mildew on grapes this year. These diseases often get established in the late season after harvest. It is important to maintain healthy foliage all the way until frost to maximize winter hardiness. So managing these diseases is important in years like this. Growers should consider a late season application of fungicides to keep these diseases under control to protect the foliage and assure adequate cold acclimation. Downy can be controlled after harvest (when PHIs are no longer a concern) with phosphorous acid products,

mancozeb, captan or one of the newer products such as Presidio, Ranman or Zampro. However, none of those fungicides will control powdery mildew (which is much worse in our plantings). So a tank mix including one of the above with a DMI fungicide such as Rally or Tebuazol would be a good approach. There are several other options for powdery mildew such as Torino, Endura, Quintec, or Vivando, or even sulfur on sulfur-tolerant varieties.

If fruit has not been harvested, then options are limited to a hand full of products with short PHIs: phosphorous acid or captan for downy mildew, and Torino or sulfur for powdery mildew.



Powdery mildew on grapes



Downy mildew on grapes

Indiana Grown for Schools

(Bruce Bordelon, bordelon@purdue.edu, (765) 494-8212)

I wanted to let you know that ISDA/IG was recently awarded a grant in partnership with the Indiana State Department of Health, Indiana Dept of Education and Purdue Extension to create an all-inclusive local food sourcing guide for schools called **Indiana Grown for Schools: School Food Service Resource Guide**. This 2 year project will start with gathering information from Indiana farmers, producers and distributors then compiling it into a county by county guide that will be dispersed to all schools in the state of Indiana. Needless to say, we are pretty excited about how many people will be positively impacted with this project.

For more information about the grant to promote locally sourced foods in schools, click here:

<https://calendar.in.gov/site/isdh/event/state-health-department-awarded-grant-to-promote-access-to-indiana-sourced-food-in-schools/>

In order to have as many participants as possible, I am reaching out to Indiana Grown partners to ask for them to share this survey within their network. To make this program successful, and to include as many farmers and producers as we can, we need your help!

Survey link:

<https://goo.gl/forms/GFyrZrIUjxA0xZhX2>

Please reach out to me if you have any questions. The survey also has some helpful links about [Indiana food safety requirements](#)- which may help those who are still unsure as to whether or not they qualify to sell to schools in Indiana.

Thank you for your time and assistance,

Heather Tallman

Indiana Grown

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Upcoming Events

(Lori K Jolly-Brown, ljollybr@purdue.edu)

September 24, 2018 Purdue Fall Winegrape Workshop

From Vineyard to Winery

Registration required, contact Jill Blume

blume@purdue.edu

September 28, 2018 Produce Safety Alliance Grower Training

Southwest Purdue Ag Center, Vincennes, IN

Contact Scott Monroe, 812-886-0198

October 17, 2018 Indiana Flower Growers Conference

Daniel Turf Center

Contact Lori Jolly-Brown ljollybr@purdue.edu

January 8, 2019 Illiana Vegetable Growers Symposium

Teibel's Family Restaurant, Schererville, IN

Contact Liz Maynard emaynard@purdue.edu

<https://ag.purdue.edu/hla/Extension/Pages/IVGS.aspx>

February 12-14, 2019 Indiana Hort Congress

Indianapolis Marriott East Indianapolis, IN

Contact Lori Jolly-Brown, ljollybr@purdue.edu or 765-494-1296

<http://www.inhortcongress.org>

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