

FANCY FRUIT

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A Newsletter for Commercial and Advanced Amateur fruit growers.

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Crop conditions

(Chloe Rose Henscheid, richa267@purdue.edu) & (Wil Brown-Grimm, wbrowngr@purdue.edu)

It's been a fruitful year here at the Meigs Horticultural Facility in Lafayette, Indiana. We are now harvesting primocane blackberries, most all grapes, early season apples, and on our fourth harvest of watermelons. The harvest so far has been plentiful and the just most delicious fruit across the board! Pears and paw paws are a week or two away from harvest. We have had a tremendous year and are looking forward to ending the season on a good note. Thank you all for following our fruit progress this year!



Watermelon: Maturation/ Ripe



Grapes: second-third harvest



Pear: Maturation



Apple (Rosalee): Maturation



Paw Paw: Maturation



Apple (Pixie Crunch): Maturation/ Ripe



Blackberry: Maturation/ Ripe

A Major Cool-Down On The Way

(Jacob Dolinger, jdolinge@purdue.edu)

Summer just had to throw us a going away party in the form of extreme heat! Temperatures soared into the 90s during the final week of August, with heat index values over 100°F for much of the state. Lafayette, South Bend, and Fort Wayne all set daily records on Tuesday, August 27th for maximum temperatures at 96°F, 96°F, and 97°F, respectively. In South Bend, the heat index soared to 108°F, which was the highest this month. Heat index values were similarly high at the end of August 2023, but prior to that, they have not been that high in August since 1995.

Those who desire cooler weather for outdoor activities and work will be happy to know the National Weather Service’s Climate Prediction Center (NWS CPC) is forecasting a likely chance of below normal temperatures for the entire Hoosier state for the first week of September

(Figure 1). We could see lows below 50°F—sweater weather!

As for precipitation, it’s the same as last week—there’s just not much coming our way. The CPC predicts a very likely chance that precipitation will be below normal for most of the state to start September (Figure 2). It’s typical that we dry out this time of year, but there are still some areas with long term soil moisture deficits. This means that a pattern like this, even if only for a few weeks, could inhibit the development of flash drought. There are already indicators for rapid onset drought risk across central and southern Indiana come September (Figure 3), so be sure to have a plan as soils dry out these next few weeks. Abnormally dry conditions (D0) are already present across much of western and northern Indiana as of August 27, and moderate drought (D1) now covers a few counties in eastern Indiana (Figure 4).



Figure 1: The National Weather Service’s Climate Prediction Center forecasts below normal temperatures for most of the eastern U.S., save Florida, for the first week of September.



Figure 2: The CPC is predicting a very likely chance of below normal precipitation for Indiana for the first week of September.

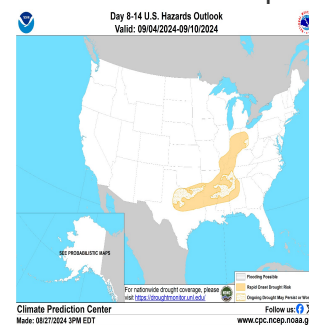


Figure 3: Rapid onset drought, also known as “flash drought”, will make a return to central and southern Indiana in the coming weeks as a much drier pattern takes hold.

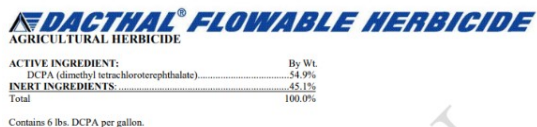
better than Pristine[®] and Abound[®] but were not as effective as Captan 80 WDG[®], Thiram SC[®], Tilt[®], and Switch 62.5 WG[®]. For more information, refer to his article, "[Evaluation of Fungicides for the Management of Neopestalotiopsis Leaf Spot 2021](#)".

Note that this article discusses the foliar portion of this disease. For example, the fungicides and cultivars discussed here are mentioned in relation to the foliar portion of the disease. There is also a dieback disease that may be caused by *Neopestalotiopsis*. Plants that show such symptoms should be sent to the PPDL on Purdue campus. More information about both phases of the disease can be found in the link below.

Dr. Dan Egel has provided a presentation titled '[A Midwestern Perspective on a New Strawberry Disease Caused by Neopestalotiopsis spp.](#)' that summarizes these findings. We hope this information proves helpful during this challenging time.

EPA Issues Order to Immediately Stop the Use of Dacthal Herbicide

(Stephen Meyers, slmeyers@purdue.edu)



In a press release on August 6, 2024, EPA announced the emergency suspension of all registrations of DCPA (marketed and sold as Dacthal[®] herbicide). The full press release can be viewed here: [EPA Issues Emergency Order to](#)

[Stop Use of Pesticide Dacthal to Address Serious Health Risk | US EPA](#)

Why did EPA do this?

EPA determined that exposure of pregnant mothers to DCPA can result in changes to fetal thyroid hormone levels, which in turn can result in low birth weight, impaired brain development, decreased IQ, and impaired motor skills.

EPA determined that even when personal protective equipment is used and the labeled re-entry interval (12 hours) is followed, the risk of exposure to field workers could be greater than 20 times what EPA estimates is safe for unborn babies.

Why did this happen now?

Although this decision seems sudden, EPA expressed concerns about DCPA in 2013 and requested additional data from the herbicide's registrant, AMVAC Chemical Corporation. In 2022, EPA issued a notice of intent to suspend production of DCPA, which I wrote about in a Facts for Fancy Fruit article here: [Future of Dacthal[®] Herbicide Uncertain | Purdue University Facts for Fancy Fruit](#). EPA suspended registration of Dacthal[®] in August of 2023 then lifted the suspension in November that same year. EPA intends to issue a notice of intent to cancel DCPA products in the next 90 days.

What does this mean?

All use of Dacthal must stop effective immediately.

We will update this information on the Midwest Vegetable Production Guide database (mwveguide.org) and in future revisions of the Midwest Fruit Pes

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