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Crop Conditions

(Bruce Bordelon, bordelon@purdue.edu, (765) 494-8212) &
(Lori K Jolly-Brown, ljollybr@purdue.edu)

Apples look good and are sizing well.

Brambles are not having a great year. Winter injury was severe and the wet spring has led to a significant amount of Raspberry (Septoria) leaf spot.

Grapes are doing okay, despite significant winter injury. Appropriate pruning resulted in full crops of most varieties. Japanese beetles and 2,4-D damage are evident.

Pawpaws have good fruit set but we are seeing severe decline in health in our planting. Some trees are dying and at this point we don't know the cause. There's also been quite a bit of wind damage this year.

Strawberries in our planting look terrible. They have low vigor and very little runner development. Time for replacement with a variety that is resistant to leaf diseases.



Apples



Raspberry



Grapes



Pawpaws



Strawberries

Indiana Climate and Weather Report

(Beth Hall, hall556@purdue.edu)

7/18/2019

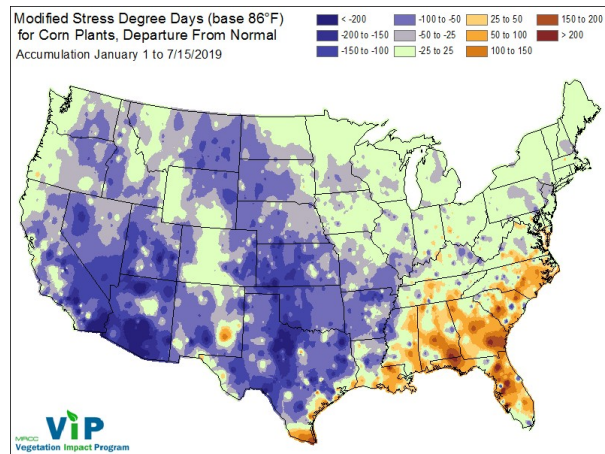
Beth Hall, PhD

Director, Indiana State Climate Office

While the remnants of Hurricane Barry brought some much-needed precipitation to the state, the next few weeks look to be on the dry side.

Temperatures are also expected to be warmer than normal, so heat stress may become an issue for plants and animals. The Midwestern Regional Climate Center's (MRCC) Vegetation Impact Program (VIP) provides a modified stress degree-day (mSDD) tool

(<https://mrcc.illinois.edu/VIP/indexSDD.html>) for corn plants that accumulates degree-day units when temperatures exceed 86°F. Modified SDD departures indicate most of Indiana to be near normal, however, excessive heat is in the forecast so mSDDs are expected to accumulate quickly.



Drought-like conditions are developing, particularly in northern Indiana. While the excessive spring and early-summer rains saturated soils, the sudden dryness is causing some stress where plant roots were not able to deeply establish. These changing weather conditions could leave plants more susceptible to external stresses from pests and diseases.

Fun Fact: Indiana experiences an average of 7-14 days with a Heat Index greater than or equal to 90°F and 3-7 days with a Heat Index greater than or equal to 100°F (source: MRCC Heat Index Climatologies;

<https://mrcc.illinois.edu/clim/heatIndex/index.jsp>)

So far in 2019, the Indianapolis weather station has recorded 14 days with a Heat Index over 90°F and 2 days with a Heat Index at or above 100°F.

Indiana Pesticide Clean Sweep Project

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

WHAT: An **Indiana Pesticide Clean Sweep Project** designed to collect and dispose of suspended, canceled, banned, unusable, opened, unopened or just unwanted pesticides (weed killers, insecticides, rodenticides, fungicides, miticides, etc.) is being sponsored by the Office of Indiana State Chemist (OISC). This disposal service is free of charge up to 250 pounds per

participant. Over 250 pounds there will be a \$2.00 per pound charge. This is a great opportunity for you to legally dispose of unwanted products at little or no cost.

WHO: All public and private schools, golf courses, nurseries, farmers, ag dealers, cities, towns, municipalities and county units of government or others receiving this notice are eligible to participate.

WHEN: 9:00 a.m. to 3:00 p.m., Local Time

WHERE: **August 13, 2019: Monroe County Fairgrounds in Bloomington, IN**

August 14, 2019: East Side Park/Daviess County 4-H Building in Washington, IN

August 15, 2019: Shelby County Fairgrounds in Shelbyville, IN

August 20, 2019: LaPorte County Fairgrounds in LaPorte, IN

August 21, 2019: Huntington County Fairgrounds in Huntington, IN

August 22, 2019: Hendricks County Fairgrounds in Danville, IN

HOW: Complete the **Pesticide Clean Sweep Planning Form** (see link below) to the best of your ability.

Mail, fax or e-mail the completed form to Garret Creason at 765-494-4331 or

gcreaso@purdue.edu no later than **Mon.,**

August 1, 2019. Then bring your labeled, leak free and safe to transport containers to the collection site. DO NOT mix materials. In case of an emergency, you should bring with you a list of products you are carrying and a contact phone number.

*NOTE: OISC reserves the right to cancel this Pesticide Clean Sweep Project if there is not adequate demand. Participants submitting the enclosed planning form by August 1, 2019, will be contacted immediately if cancellation is necessary.

Robert D. Waltz, Ph.D. State Chemist & Seed Commissioner

Office of INDIANA STATE CHEMIST AND SEED COMMISSIONER

Protecting Indiana's Agriculture and Environment
– Feed, Fertilizer, Pesticide and Seed

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[Clean Sweep Planning Form 2019](#)

Events

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

August 1, 2019 Small Farm Ed Field Day

Daniel Turf Center, Purdue Student Farm

Contact Lori Jolly-Brown, ljollybr@purdue.edu

The Small Farm Education Field Day presented by Horticulture & Landscape Architecture will have classroom educational sessions at the Daniel Turf Center followed with lunch catered by Juniper Spoon at the Purdue Student Farm. Tours, workshops and vendors!

Rototiller vs. power harrow demonstration

High tunnel tomato and pepper production

Solar dryers for post-harvest processing of fruits, vegetables

Wash pack demonstration

Food safety plans and certification process for gardeners

Dynamic enterprise budgets

Scheduling crops in high tunnels

Cover crop choices

Soil restoration in urban farms

August 13, 2019 Vegetable Field Day/Sweet

Corn Taste Testing

Pinney Purdue Ag Center, 11402 S. County Line Rd., Wanatah, IN

Nikky Witkowski, nikky@purdue.edu, (219) 465-3555

September 5, 2019 Hydroponics & Greenhouse workshop

Purdue University, Deans auditorium, HLA greenhouse

Contact Lori Jolly-Brown, ljollybr@purdue.edu

Participants will learn about optimal conditions for growing hydroponic lettuce, including nutrient recipes, production systems, artificial lighting practices and optimal temperatures for lettuce. Workshop attendees will also have the

opportunity to tour the department's greenhouse and hydroponic facilities where several hands-on activities will take place. Krishna Nemali, professor of controlled environment agriculture, will lead the workshop. Nemali's research centers on enhancing sustainable growing practices in controlled environments, like greenhouse and indoor vertical farms.

October 17, 2019 Indiana Flower Growers association conference

Purdue University, Daniel Turf Center

Contact Lori Jolly-Brown, ljollybr@purdue.edu

Horticulturists and greenhouse operators will have an opportunity to network with industry experts and Purdue Extension specialists. Educational sessions to include technology and automation, electrical conductivity sensors, marketplace opportunities, greenhouse

production, worker production standards, as well as networking with other flower growers across the state.

January 7, 2020 Illiana Vegetable Growers Symposium

Teibel's Family Restaurant, 1775 US 41, US 30 & US 41, Schererville, IN

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

February 11-13, 2020 Indiana Horticultural Congress

Indianapolis Marriott East Hotel:

Contact Lori Jolly-Brown, ljollybr@purdue.edu

Home

The Indiana Horticultural Congress, presented by Purdue University, is an educational meeting designed to meet the needs of fruit, vegetable, wine, organics, greenhouse, high tunnel, specialty crop growers and marketers in Indiana and surrounding states. Over 500 registrants and more than 70 vendors attend each year.

February 11-13, 2020 Indiana Green Expo
Indiana Convention Center, Indianapolis, IN
Indiana's largest, most comprehensive green industry event of the year!

Offering over 75 educational seminars plus a Spanish track, certification opportunities, in-depth workshops, numerous CEUs and CCHs to be earned, and a two-day trade show!

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