

# Midwestern Hemp Database Project Overview



**Illinois Extension**

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

## Thank you for your interest in the Midwestern Hemp Database!

The goal of this project, which is a collaboration between land grant institutions and private laboratories in the Midwest, is to provide regional insight into agronomic performance and cannabinoid development of industrial hemp cultivars.

Producers across the region are currently growing many cultivars from different suppliers without access to reliable data about their performance. The impending adoption of [USDA domestic hemp production rules](#) in early 2021 has also made access to performance data vital.

Producers who participate in this program have the exciting opportunity to receive significantly discounted cannabinoid profiling for CBC, CBD, CBG, CBN, CBDA, CBGA, CBDVA,  $\Delta 8$ THC,  $\Delta 9$ THC, THC-A, and THCV. The reduced cost is only \$35 per sample.

This project is made possible through an extremely generous partnership with several



*Photo by Phillip Alberti.*

private laboratories including: Rock River in Wisconsin and ACT Laboratories in Illinois.

**Questions?** Please contact [Phillip Alberti](#) at [palberti@illinois.edu](mailto:palberti@illinois.edu) or (217) 300-7392.

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## DO I QUALIFY?

Are you a licensed hemp grower in Illinois, Wisconsin, Michigan, Indiana, Kentucky, Ohio, or Iowa? If so, keep reading.

To receive discounted cannabinoid profiling, we will collect information on your production system (row spacing, fertility, tillage, cover crops, etc.) and agronomic performance (planting/transplant date, flowering date, yield etc.), cultivar name, and cultivar source. This will then be made available to the public through a data sharing tool, the Midwestern Hemp Database Project.

## HOW DO I KNOW IF I'M ELIGIBLE?

Fill out [this online survey](#) for each field as soon as possible to determine eligibility and start your application. Fill out a separate survey for each non-contiguous field you wish to be considered for this study.

Information about state, county, soil texture, cultivar, seed/transplant source, previous crop, etc. will be collected to determine eligibility.

## HOW WILL I BE NOTIFIED OF PROGRAM ACCEPTANCE?

Prospective participants will be notified shortly after the admissions period closes July 16, 2021. From there, investigators will determine eligibility of applicants and send required materials.

Once accepted, participants will have accounts set up through their selected participating laboratory, [Rock River Laboratory Inc.](#) in Wisconsin or [ACT Laboratories](#) in Illinois, for sample submission and analysis. The results from cannabinoid analysis, along with other data (agronomic practices, seed supplier, cultivars, etc.) will be made publicly available on the [Midwestern Hemp Database Project](#) website.

## WHAT IS EXPECTED OF PARTICIPANTS?

If selected to participate, growers will be expected to keep records detailing all information pertaining to the project, including between row

spacing, within row spacing, planting/transplant date, 50% flowering date, flowering duration, plant height, disease and pest issues, cannabinoid production, and plant yield (lbs./acre) when appropriate. The requested information will be entered online for tracking throughout the growing season. Growers are expected to stay up to date on data collection and entry for continued acceptance into the program.

Growers who do not follow these criteria will not be eligible for the discounts nor will they be allowed to participate in future growing seasons.

## HOW DOES SAMPLING WORK?

To participate in this study, specific instructions about floral sampling and shipping must be followed in order to apply the discount to your analysis. We ask that participants agree to a minimum of two samples submitted per cultivar per location.

## Project Collaborators

### University Collaborators

*Shelby Ellison, University of Wisconsin-Madison*  
*James Dedecker, Michigan State University Extension*  
*Marguerite Boldt, Purdue University Extension*  
*Bob Pearce, University of Kentucky*

*James Morris, Ohio State University*  
*Esther Shekinah, Micheal Fields Agricultural Institute*

### Laboratory Collaborators

*Rock River Laboratory LLC, Dustin Sawyer & Scott Fleming*  
*ACT Laboratories, Amber Middlebrook*



## HOW DOES SAMPLING WORK CONT.

As part of the partnership with Rock River Laboratory and ACT laboratories, cannabinoid analysis will only cost \$35 per sample/location. A minimum two-time aggregate sample taken per cultivar, per location is required to participate in this study.

**Sampling timing:** Cannabinoid time course sampling will start after onset of flowering for each cultivar. Floral samples will be collected from the same plant at multiple time points throughout flowering. The flowering period lasts approximately eight weeks, beginning with the first visible flower and lasting until harvest. Sampling may start three weeks after the flowering period begins.

Ultimately, the total number of samples collected at each location will be up to the grower's willingness to pay for the testing; this is provided they meet the minimum of two time aggregate samples taken per cultivar, per location to participate in this study. Participants in this project will follow specific sampling protocols agreed upon by researchers collaborating on this project.

## WHAT HAPPENS TO THE INFORMATION YOU SUBMIT?

If you choose to submit information to us, any private identifying information (name, license number, etc.) will not be available in the publicly accessible database and will be used only for the purposes for which it was provided, and will not be shared with another entity, except as prescribed by law.

All other information (seed source, cultivar, planting date, sampling date, cannabinoid production, yield, etc.) collected will be entered into a publicly accessible database.

All information collected at this site becomes public record that may be subject to inspection and copying by the public, unless an exemption in law exists.

By participating in this research study, you acknowledge that your participation is voluntary, and you consent to the collection of all data, and consent to making the data indicated publicly available. You also consent to analysis of plant material by the laboratories indicated in this proposal.

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