

Over the Back Fence

Agriculture and Natural Resources Extension Newsletter

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Ag Days Fall 2022



On Wednesday and Thursday, October 5th and 6th over 400 third grade students in Harrison County were invited to attend the Annual Ag Day at the Harrison County Fairgrounds. The event was organized by many wonderful community organizations and hosted by Purdue Extension Harrison County. Students visited many sessions presented by volunteers and agriculture enthusiasts. Sessions included: Officer Jim Schreck and Smokey presented ATV Safety and Search & Rescue; 4-H Educators Anna Denny and Sam McCollum and 4-H State Ambassador Johnathan Durbin introduced students to 4-H; Livestock ID was taught by students of North Harrison FFA; Soil and Water presenters Erica Wyss, Marla Sieberns, Chris Miller and Virginia Morris taught soil facts; Harness Horse Youth Foundation, Ellen Taylor introduced students to equine athletes; Fruits of Your Labor, presented by Master Gardeners Wanda Phillips, Durinda McKay, and Robin Meredith and Extension Educator Tara Beckman showed how food goes from garden to plate; Michelle Amos of Little Loom House presented fiber arts; Dennis Schmelz of Spring Valley Bee Keepers shared the importance of pollinator care; and Corydon Central FFA members taught Embryology. South Central, North Harrison and Corydon Central FFA Chapters served as group leaders and helped prepare lunch items during the day.

POSITION OPEN

Extension Educator - Ag and Natural Resources - Harrison County

Extension Educators provide the link between Land Grant University research and Indiana residents by creating innovative learning opportunities that address local issues. Dedicated to helping improve the quality of life for current and future residents, Educators collaborate with local, county and state agencies, partner organizations, businesses and schools to analyze needs, develop, implement and oversee vibrant and sustainable research based educational programs, and provide resources and expertise to the local community.

Have a passion for people, education, and agriculture? Come and work with us.
<https://careers.purdue.edu/job-invite/21459/>.

AG Days Fall 2022 cont.



During lunch, Marcia Harmon-Gliottone and Jean Geswein presented, Harrison-the boy who disliked agriculture. Harrison is a third grade boy who thinks agriculture is unimportant. He tries to get ready for school and then realizes, after talking with his mom, that he cannot eat breakfast, wear clothes and shoes, or even feed his dog without agriculture. The students were provided lunch that consisted of a hotdog, bag of popcorn, cheese square, clementine, ice cream and a bottle of water. A special thank you to the organizations who sponsored and participated in this event.

- Harrison Co. Farm Bureau, Inc. Preferred Popcorn
- Day Farms
- Harrison County Master Gardeners
- Harrison County Cattlemen's Association
- Harness Horse Youth Foundation
- IndianaFarmBureau
- Harrison County Fairgrounds Corydon Indiana
- Harrison County Soil & Water Conservation District
- South Harrison Community School Corporation
- North Harrison Community Schools
- Purdue Extension Harrison County

Thank You!

Thank you so much to the Barks Family for bringing their cow, Baby Girl to Ag Day at the Harrison County Fairgrounds. Adam Barks, who is only 9 years old, is doing a presentation about raising and caring for a cow. Baby Girl looks very interested in helping with the presentation! We are lucky to have so many good people in Harrison County who are willing to help out and participate in events like Ag Day. Keep it in your mind and heart, that even at 9 years old, you can do anything you set your mind to! Don't work too hard, Adam and thank you for being a part of Ag Days.



Premier Companies, headquartered in Seymour, has made a huge investment in Southeast Indiana through a \$50,000 annual gift to the Indiana 4-H Foundation to support agriculture youth development programming. We are thankful to Premier Companies and the Indiana 4-H Foundation for providing funding for agriculture related programming in Harrison County. We received \$5000 for an inflatable soil tunnel. Our 3rd grade Ag Day students were the first to see this awesome teaching tool.



Welcome to Our New Staff



Hi, my name is Katie Davidson. I am a Community Wellness Coordinator (CWC), covering Floyd, Clark, and now Harrison Counties! As a CWC, I work to lower barriers people have to making healthier choices. I work with groups like farmers markets, community gardens, schools, and food pantries to problem solve and create lasting changes to the policies, systems, and environments that exist around us. I live in Clark County, and in my spare time I enjoy walking on the Ohio River Greenway with my husband and two dogs, or reading a book outdoors wherever I can. I am looking forward to working with your organization in the future to make the healthy choice an easier choice for your clients!



My name is Cindy Finerfrock. I am excited to join the Harrison and Floyd County Extension offices as your new NEPA/ Nutrition Education Program Advisor! I was born and raised in the military. I received my Home Economics degree from the University of Dayton, Ohio. My husband and I have lived in Indiana for over 17 years. I am here to help you learn more about nutrition and improve your family's health. We provide FREE, practical, hands-on programs for SNAP recipients, limited-resource individuals of all ages, and eligible schools. Programs include: How to stretch your food dollar, Planning fast easy meals, and Making vegetables fun & tasty....just to name a few! You can start your health journey today. For free and fun classes. Visit: eatgathergo.org to check it out!



Hi, my name is Jocelyn Faith and I am the Administrative Program Assistant. I will soon be graduating college with a Bachelors degree in Organizational Leadership and Supervision with a Human Resources certificate from the Purdue Engineering and Technology school. I grew up in Harrison County and I currently reside here as well. In my spare time I work on my family's farm, travel, and go on walks with my Goldendoodle and Golden Retriever. I have been involved in 4-H for over 10 years showing livestock, entering projects, and helping others learn. I am so excited to apply what I have learned to this program.



Extension Challenge Kits

October was Apple Month! Purdue Extension Harrison County had an Apple Culinary Challenge. 1 Million Crunchers from Minnesota, Wisconsin, Illinois, Indiana, Michigan and Ohio crunched on Thursday, October 13th, 2022 for the Great Lakes Great Apple Crunch! National Apple Day was October 21st. Thank you to everyone who participated in our October Apple Crunch Culinary Challenge. Adults and youth shared some wonderful and creative ideas and recipes.

OCTOBER APPLE CRUNCH CHALLENGE!

Sponsored by: Purdue Extension Harrison County Health and Human Sciences Educator, Tara Beckman

PURDUE UNIVERSITY Extension

INDIANA GREAT APPLE CRUNCH

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DNR Tree Seedlings



The DNR Forestry tree seedling orders began on October 1. Conservation tree planting is one of our oldest and most supported forest stewardship programs. DNR Forestry's nursery program grows and distributes high quality plant materials for conservation plantings such as timber, wildlife, windbreaks, soil and water protection, reclamation, carbon sequestration, and education.

1. Orders will be accepted Oct. 1, 2021 - May 1, 2022 depending upon inventory.
 2. Orders can be placed by phone, mail, or online at [INForestryx.com](https://www.in.gov/INForestryx.com) beginning on Oct. 1, 2021.
 3. If ordering by mail, do not send payment with your order. You will receive an invoice showing the quantity we could supply, the amount due, and the due date.
 4. Paid orders are available for pickup or shipping beginning late February through May depending upon the weather.
- Instructions for ordering tree seedlings can be found at <https://www.in.gov/.../tree-seedling-nurseries/instructions/>

Look for our November Pumpkin Challenge coming Nov 1st!

STEM: PUMPKIN PROPULSION
SCIENCE, TECHNOLOGY, ENGINEERING, & MATHEMATICS

CHALLENGE: USE THE SUPPLIES INCLUDED TO DESIGN AND CREATE A CATAPULT, CAR, BOAT, SLINGSHOT, ETC. THAT WILL LAUNCH YOUR CANDY PUMPKINS AS FAR AS POSSIBLE

DESIGN ENGINEER FUN PROBLEM SOLVE
MATHMATICS CREATE

Submit: picture of your design, furthest distance your pumpkin traveled, details of how you created your design, and challenges you encountered. Video of launch can be submitted, too. You can bring info to the Extension Office OR email jage@purdue.edu and faith2@purdue.edu

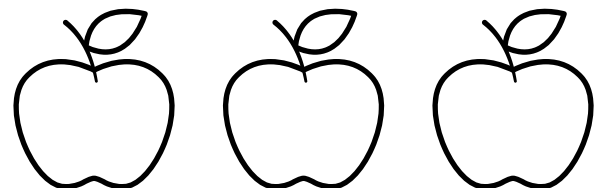
NOVEMBER CHALLENGE

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IN Orchard Guide



Check out Indiana Grown's new Orchard Guide to find an Indiana Grown orchard near you → bit.ly/3RGBFx4



Grow It, Cook It, Craft It: 101 Uses for Squash & Pumpkins

Harrison County Master Gardeners October installment of the Fall Guest Speaker Series was a successful and informative session as well as a fun evening, Thursday, October 20th. This one was “Grow It, Cook It, Craft It: 101+ Uses for Fall Squash and Pumpkins”

- **Grow It:** Heidi Potter, Agriculture and Natural Resources Educator, Purdue Extension Clark County, gave an informative lesson on planting, growing, maintenance, and harvesting of winter squash and pumpkins. She also gave tips on pest control, seed saving, and showed examples of various heirloom varieties. Each attendee was given a variety pack of seeds to plant at home.
- **Cook It:** Tara Beckman, Health and Human Sciences Educator, Purdue Extension Harrison County, demonstrated safe and simple preparation and cooking techniques for winter squash and pumpkins, including baking, savory and sweet seasoning and roasting, as well as pureeing for soup. She served samples of several delicious winter squash recipes, discussed various edible varieties, and shared nutrition information.
- **Craft It:** Attendees also took home a DIY pumpkin decorating kit and got tips for creative ways to craft and decorate with pumpkins and squash.



Please join us for our next installment of the Harrison County Master Gardeners Fall Guest Speaker Series at 6:30 on November 17th at Harrison County Extension Office, 247 Atwood Street. HCMG President, Ken Tingler, will be discussing everything you need to know about deer, their habits, and how to coexist with them as a gardener in his session "Deer-Proofing Your Garden"

Congratulations!

We are proud to announce that we have several newly certified Harrison County Master Gardeners who graduated from the Spring 2022 MG Training and are now Certified EMGs. Congratulations to Sarah Keinonen, Brandi Pirtle, Bev Tucker, George Voorhees, and Jess Wolvin. We also have three Master Gardeners who have advanced to the next level of training and certification. Wanda Phillips is now Advanced EMG Bronze, Kim Tate is now Advanced EMG Silver, Karen Schwartz is now Advanced EMG Gold 1000 with over 1500 hours of service to the Extension Master Gardeners.



IN DNR

Studies have shown that time spent outdoors can make a positive impact on our mood and mental health. The “earthy” scents often associated with walking in nature have been known to give feelings of comfort and relaxation, and remind us of childhood memories. The amazing fragrance of walking through a pine grove, or the smell of the crunchy, fallen leaves under foot in autumn can give us a feeling of being one with nature; it can remind us that breathing in nature not only feels good, but is also good for us. Find a DNR property to explore nature at on.IN.gov/recfinder.

Harrison County Master Gardeners

I couldn't have scripted this any better...Last night when I was putting the Pollinator Garden to bed for the winter a guy came through and told me how much they appreciated those flowers at the pool. I told him that I had just put to bed the Botanical gardens @ the fairgrounds the night before. He told me that they also walk down there all the time and they just love the flowers and all the identifying signs...THIS IS WHY WE DO THIS...We will never know how many people visit and learn from our gardens... thx for your continuing support! ks
-Karen Schwartz

HARRISON COUNTY MASTER GARDENERS



FREE MONTHLY GUEST SPEAKER SERIES

Open to the Public



NOVEMBER 17TH

DEER-PROOFING YOUR GARDEN

Speaker: Ken Tingler
President: Harrison County Master Gardeners

6:30p-7:30p

HARRISON COUNTY EXTENSION OFFICE
247 ATWOOD STREET
CORYDON, IN 47112

No Need to RSVP
Just Come and Join Us!

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HARRISON COUNTY MASTER GARDENERS



FREE MONTHLY GUEST SPEAKER SERIES

Open to the Public



DECEMBER 15TH

What's New for Daylilies

Speaker: Ron Byerley
Hutch N Bunch
Rabbitry and Daylilies

6:30p-7:30p

HARRISON COUNTY EXTENSION OFFICE
247 ATWOOD STREET
CORYDON, IN 47112

No Need to RSVP
Just Come and Join Us!

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If you've ever considered becoming a Master Gardener or would like to learn more about our many projects and ways we serve our local community, this is the place to be! We meet the third Thursday of each month at the Harrison County Extension Office. Come to our meeting to learn more about what we do and how to become a Master Gardener. Our meetings and classes are open to the public, including featured guest speakers in the fall. Contact Ken Tingler for more information 812-734-0373



Invasive Species Alerts

THURSDAY, NOVEMBER 3, 2022 AT 11 AM

How Long Must I Protect My Ash Trees from Emerald Ash Borer? Online Event

Join entomologist Cliff Sadof as he talks about protecting ash trees from emerald ash borer as part of the Emerald Ash Borer University fall seminar series.

Register:

<https://msu.zoom.us/j/8H4v4HsnJA>



Pack Memories, Not Invasive Pests This Fall

SEPTEMBER 13, 2022 - INCLUDED IN ISSUE: 22-14 PURDUE LANDSCAPE REPORT
BY: CLIFF SADOF

The dry, cool weather of September heralds the beginning of the fall camping season. Although camping is a great way to reconnect with family and nature, traveling to and from your campsite can give invasive insects and plants a free ride to a new forest. Without the help of people, most exotic invasive insects spread less than 10 miles each year. If you accidentally pack them with you on your way to or from your trip, they can move thousands of miles.



Eggs of spotted lanternfly often look like mud. (Photo by E. Barnes)

Spotted lanternfly– Adults will lay eggs from September until the first frost on just about anything from telephone poles and tree bark to under the bumper of your car, camper or mower. Their outsized capacity to suck plant sap and excrete sticky honeydew creates sticky leaf surfaces that become covered with black sooty mold and stinging insects. Although adults and nymphs are distinctively spotted and colored, the eggs are mud colored and difficult to find.

Spongy moths – Like spotted lanternfly adults of this moth will lay eggs on tree trunks, under branches and on anything that is outside during the month of July when they lay their eggs. The caterpillars of this insect (formerly known as gypsy moths) have a huge appetite for oak leaves, maples, pines and hemlock. In outbreak years like the summer of 2022 they can completely defoliate millions of acres of forest. Although the blue and red spotted caterpillars are quite distinctive, the dun-colored egg masses are difficult to find. If you are camping during July in heavily infested areas, you can easily bring the egg masses back with you.



The light brown spongy egg masses of a health spongy moth can easily contain 600 to 1000 eggs. With each caterpillar capable of consuming over a 10 ft² of leaves a single egg mass is a defoliation waiting to happen! (Photo by S. Richard)

Wood borers – During the autumn many invasive destructive borers like Asian longhorned beetle and emerald ash borer as well as vectors of Thousand cankers disease are in the larval stage beneath the bark. For this reason, moving firewood long distances to and from campsites risks spreading these pests. Don't share the devastation wrought by emerald ash borer and other invasives by moving firewood.

Soil borne pathogens –Sudden oak death and boxwood blight are two of many pests threatening plants in Indiana forests and landscapes. Spores of these pathogens can be spread by hikers walking over contaminated areas. Be sure to wash your boots!

Jumping worms– Are a new invasive worm that is starting to make its way into Indiana. It moves between gardens when muddy equipment is loaned, compost is shared, or when plants are traded with soil. This new invasive worm can strip the organic matter from productive garden soil and give it the inhospitable texture of coffee grinds. Trading plants with soil is not recommended in areas where these worms have been found.

Follow These Tips To Stop Invasive Hitch Hikers

- Check Conditions. If you are traveling to or from an infested area you may be giving invasives a ride. In Indiana, the Department of Natural Resources Department of Entomology and Plant Pathology (DEPP), maintains a pest of concern website to help you find out where pests are a problem. Nationally, the USDA APHIS maintains a website for locations of pests by state.
- Don't Move Firewood. Collect or purchase your firewood within 30 miles of where you plan to use it. Trees inside of this radius are exposed to the same types of pests and pathogens so there is a lower risk of spreading something new. If you move this wood too far (more than 30 miles) you risk moving a pest or pathogen to a new area where they can attack and kill new trees. By not moving wood far from where it is collected you can prevent the spread of these pests to new, un-infested areas
- Wash muddy boots, dirt filled tires, and camping, gardening, and farming equipment. Seeds of invasive weeds and the spores of plant diseases can become trapped in mud and released to new areas when moved. Always remove mud before you travel to a hiking area and immediately after your hike. Aside from the added benefit of keeping the interior of your car clean, any seeds or spores you may have picked up on the trail will stay near where you collected them. The same rule applies to mountain bikers, 4-wheelers, gardeners and farmers.
- Inspect your car or camper before you return from visiting areas where spotted lanternfly have been reported . Adult female spotted lanternflies will lay their eggs on vehicles and campers from the beginning of September through the time of the first frost. Be sure to give your camper or car a good inspection before you return.
- Take your car or camper to the car wash, or give it a good soapy power wash at the of the season to take off any spongy moth or spotted lanternfly egg masses. This will help kill any egg masses you missed before they hatch the following spring. Because the killing power of your washing action alone is unclear, it is best to hand remove any egg masses you see and dump them into a bucket of sudsy water before you wash your vehicle.
- Finally, if for some reason you find invasive pests during your Indiana travels report them by calling 866-NO EXOTIC (866-663-9684) or send an email (with a photo of the insect if possible) to DEPP@dnr.IN.gov. For more information about this or other invasive pests facing Indiana see ReportINvasive.com.

So IN Cattlemen's Beef Tour



Thank you to all of our partners and sponsors for the Southern Indiana Area Cattleman's Beef Tour. This event was hosted by John and Angela Hoagland and Family at Hoagland Ranch in Eckerty, Indiana. This area-wide Purdue Extension partnership between Harrison, Crawford, Orange, Dubois, and Perry counties featured keynote speaker, Dr. Robin Faulkner, DVM discussing "Current Beef Industry Trends." A meal and demo, led by area Health and Human Sciences educators featured a "Beef. It's What's For Dinner." London Broil and Beef Potato Hash and focused on food safety, portion control, and grill safety. It was a beautiful Saturday for a successful event featuring Southern Indiana Cattlemen and their local beef.



Gate opens at 1 p.m. EDT
Program begins at 2 p.m. EDT



Sponsored By:
Crawford, Dubois, Harrison, Orange & Perry
Area Cattleman's Associations:



What's Your Breakeven Price for Corn and Soybeans?

It's difficult to evaluate market opportunities as crop prices change or make crop rotation decisions without breakeven price information. September 2022 Estimates

The Purdue Crop Cost and Return Guide offers farmers a resource to project financials for the coming cropping year. These are the September 2022 crop budget estimations for 2023; prepared by Purdue faculty members Michael R. Langemeier, Department of Agricultural Economics; Shaun Castell, Dan Quinn, and Tony Vyn, Department of Agronomy; and Bill Johnson, Department of Botany and Plant Pathology, Purdue University.

A user can evaluate up to three full-season crops, and the wheat double-crop soybean system. Gross revenue, cost, and net returns are evaluated on a per acre and per unit basis. Breakeven prices to cover variable and total cost are computed for each crop.



PURDUE EXTENSION ID-1166-W

2023 Purdue Crop Cost & Return Guide September 2023 Estimates

Both product prices and input prices may have significantly changed since these estimates were prepared.
Table 1. Estimated per Acre Crop Budgets for Low, Average, and High Productivity Indiana Soils

	Crop Budgets for Three Yield Levels ¹														
	Low Productivity Soil				Average Productivity Soil				High Productivity Soil						
	Cont.	Rot.	DC	Beans	Cont.	Rot.	DC	Beans	Cont.	Rot.	DC	Beans			
Expected yield per acre ²	143	152	46	65	32	173	184	56	79	39	203	216	66	83	46
Harvest price ³	\$9.00	\$13.25	\$8.75	\$13.25	\$6.00	\$6.00	\$13.25	\$8.75	\$13.25	\$6.00	\$6.00	\$13.25	\$8.75	\$13.25	\$13.25
Market revenue	\$858	\$912	\$610	\$569	\$424	\$1,038	\$1,104	\$742	\$681	\$517	\$1,218	\$1,296	\$875	\$814	\$610
Less variable costs ⁴															
Fertilizer ⁵	\$286	\$257	\$93	\$131	\$69	\$201	\$274	\$110	\$166	\$91	\$317	\$290	\$127	\$201	\$93
Seed ⁶	102	102	74	44	86	124	124	74	44	86	124	124	74	44	86
Pesticides ⁷	126	119	75	45	65	126	119	75	45	65	126	119	75	45	65
Dryer fuel ⁸	33	26	N/A	N/A	4	39	31	N/A	N/A	5	46	37	N/A	N/A	6
Machinery fuel @ \$4.02	30	30	18	13	30	30	18	13	30	30	30	30	18	13	30
Machinery repairs ⁹	34	34	29	29	24	34	29	29	24	34	34	29	29	24	34
Hauling ¹⁰	15	16	5	7	3	18	19	6	8	4	21	23	7	10	5
Interest ¹¹	33	31	16	15	14	35	33	17	17	15	36	34	18	19	16
Insurance/misc. ¹²	43	43	38	9	9	48	48	41	9	9	53	53	43	9	9
Total variable cost	\$702	\$658	\$348	\$298	\$287	\$755	\$712	\$370	\$336	\$302	\$787	\$744	\$391	\$375	\$317
Contribution margin ¹³	\$156	\$254	\$262	\$271	\$137	\$283	\$392	\$372	\$355	\$215	\$431	\$552	\$484	\$439	\$293
(Revenue - variable costs) per acre															

Table 2. Estimated per Acre Government Payments, Overhead Costs & Earnings for Low, Average, and High Productivity Indiana Soils

	Low Productivity Soil												Average Productivity Soil												High Productivity Soil											
	900				1000				2700				3000				900				1000				2700				3000							
	c-c	c-b	c-c	c-b	c-c	c-b	c-c	c-b	c-c	c-b	c-c	c-b	c-c	c-b	c-c	c-b	c-c	c-b	c-c	c-b	c-c	c-b	c-c	c-b	c-c	c-b										
Farm Acres Rotation	\$156	\$258	\$156	\$258	\$283	\$382	\$283	\$382	\$283	\$382	\$431	\$518	\$431	\$518	\$431	\$518	\$431	\$518	\$431	\$518	\$431	\$518	\$431	\$518	\$431	\$518										
Crop contribution margin ¹⁴	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0										
Government payment ¹⁵	\$156	\$258	\$156	\$258	\$283	\$382	\$283	\$382	\$283	\$382	\$431	\$518	\$431	\$518	\$431	\$518	\$431	\$518	\$431	\$518	\$431	\$518	\$431	\$518	\$431	\$518										
Total contribution margin	\$156	\$258	\$156	\$258	\$283	\$382	\$283	\$382	\$283	\$382	\$431	\$518	\$431	\$518	\$431	\$518	\$431	\$518	\$431	\$518	\$431	\$518	\$431	\$518	\$431	\$518										
Annual overhead costs:																																				
Machinery ownership ¹⁶	\$147	\$139	\$98	\$92	\$147	\$139	\$98	\$92	\$147	\$139	\$98	\$92	\$147	\$139	\$98	\$92	\$147	\$139	\$98	\$92	\$147	\$139	\$98	\$92	\$147	\$139										
Family and hired labor ¹⁷	\$71	\$64	\$64	\$44	\$44	\$71	\$64	\$44	\$44	\$44	\$71	\$64	\$44	\$44	\$44	\$71	\$64	\$44	\$44	\$44	\$44	\$71	\$64	\$44	\$44	\$71										
Land ¹⁸	\$206	\$206	\$206	\$206	\$206	\$206	\$206	\$206	\$206	\$206	\$206	\$206	\$206	\$206	\$206	\$206	\$206	\$206	\$206	\$206	\$206	\$206	\$206	\$206	\$206	\$206										
Earnings or (losses)	-\$268	-\$150	-\$193	-\$80	-\$190	-\$75	-\$115	-\$5	-\$95	-\$8	-\$20	-\$20	-\$20	-\$20	-\$20	-\$20	-\$20	-\$20	-\$20	-\$20	-\$20	-\$20	-\$20	-\$20	-\$20	-\$20										

ID-1166-W

2022 Purdue Crop Cost & Return Guide
September 2023 Estimates

Purdue Extension

Plant Fall Bulbs Now For Spring Blooms! A Recipe For Bulb Lasagna

Fall is the time to plant spring-flowering bulbs. As the cooler temperatures start to arrive in many parts of the country, the last thing on many people's minds is planting flowers for spring color in the garden. But, now is the perfect time to plant bulbs that will pack a punch of color to help usher out winter blues. Start with a trip to your local nursery. When purchasing, look for heavy, dense bulbs with no decay, mold, or fungus. Bulbs should smell fresh and be free of cuts and bruises. Plant classics like daffodils and tulips or branch out with other textures, colors and heights with Fritillaria, Allium, Anemone and more.

Lasagna planting technique

The bulb planting technique of layering is also known as planting "lasagna-style." Planting bulbs "lasagna-style" involves layering different bulb varieties in the same pot. Each bulb planted is selected based on its blooming times, planting depth and color.

By overlapping bulb bloom times you can create pots of long-lasting flowers and color. For three waves of bloom, select bulbs that bloom in early-spring, mid-spring, and late-spring. Bulb packages list bloom date information on the labels. When making bulb selections, consider choosing bulbs with overlapping bloom times so that the planting remains colorful all season.

Planting and positioning bulbs

Plant bulbs like you are making lasagna. Plant the largest bulbs approximately 8-inches deep, smaller bulbs 5-inches deep, and so on. Be sure to read the bulb package for planting depths. Potting soil is the "sauce" and used as the layer under and over your bulbs.

Choose a container that is at least 12-14 inches deep, with good drainage. Select a potting soil that includes a slow release fertilizer OR add bone meal to your potting soil according to the package instructions. Bone meal is rich in Phosphorous and will promote fall root growth.

Add a 2-3 inch layer of soil and then plant the largest bulbs approximately 8-inches deep, smaller bulbs 5-inches deep. Large sized bulbs may include (king Alfred) daffodil, allium, and tulip.

Once the first layer of bulbs is in, add another layer of potting soil about 2-3 inches deep. Measure the depth from the top rim of your pot down, you should have about 6" more to plant.

The next layer will be a bulb that is planted about 6 inches below the surface, examples include Dutch hyacinth or a jonquil Narcissus. Leave approx. 1/2" space between each bulb. Remember to not overcrowd bulbs as they will swell once watering begins.

Add more "sauce" and cover previous bulbs with about 1" inch of soil. The next layer will finish your container off with bulbs, look for smaller bulbs like grape hyacinth and/or crocus. Remember to leave a little space in between bulbs. Top off with five inches of potting soil and add some pansies or other colorful cool weather annuals to maintain seasonal interest. Finally, add mulch and water regularly.

A beautiful spring show of blooms

As spring arrives, place your container in a spot with high visibility and enjoy the waves of colorful flowers as they emerge, bloom and die back. As each new layer of blooms appears, the previous layer's leaves will remain. You can clean up faded or dead flowers, but don't remove the leaves as they provide energy back to the bulb for next year's growth. This is a great project to do with children and share the experience as each flower variety goes through its life cycle.

Resources:
Recipe for Bulb Lasagna by Carolyn Neumann (published Sept. 17, 2012)
News and updates from the statewide UC Master Gardener Program office.
Author: Melissa G. Wornack
Assistant Extension Specialist
Published on: October 18, 2021



Deer Testing For Chronic Wasting Disease is Available

IN DNR: Indiana Department of Natural Resources Posted on September 29th, 2022 in Wildlife

Chronic wasting disease (CWD) is a fatal neurological disease affecting white-tailed deer, mule deer, elk, and moose. Hunters who want to have their deer tested for chronic wasting disease (CWD) can bring their deer to select Fish & Wildlife areas and State Fish Hatcheries during the hunting season.

Deer heads can be dropped into designated coolers or hunters can make an appointment for their deer to be sampled by a biologist during office hours. The 2022-23 sampling locations and their hours of operation are listed on the Fish & Wildlife: CWD website.

Hunters who submit a deer for CWD testing will receive a metal tag reminiscent of Indiana's historical deer harvest confirmation process.

Alternatively, hunters may submit their deer to the Purdue Animal Disease Diagnostic Lab (ADDL) for testing for a fee. Hunters should complete the submission form and follow the shipping instructions on Purdue ADDL's website.

Resources:
Indiana Hunting & Trapping Guide, Indiana Department of Natural Resources (IN DNR), Fish & Wildlife Indiana 2022-2023 Hunting & Trapping Season (pdf) list, IN DNR, Fish & Wildlife
Indiana DNR Shares 2022-2023 Hunting Season, Got Nature? Blog, Purdue Extension-Forestry & Natural Resources
Wildlife Habitat Hint: Trail Camera Tips and Tricks, Got Nature? Blog
Bovine Tuberculosis in Wild White-tailed Deer, The Education Store, Purdue Extension's resource center

Chronic Wasting Disease testing box, IN DNR
Fish and Wildlife



Women in Agriculture



Women in Agriculture

2023

AG WOMEN
Engage
conference

Engaging Midwestern Women in Agriculture

Purdue University is an equal access/equal opportunity/institution.

Join us February 21st - 23rd for the Ag Women Engage Conference! (formally known as the Midwest Women in Agriculture Conference) We will be engaging Midwestern women in agriculture to address personal, family, and farm issues that affect their lives, their families, and their farm business.

It will be an exciting, in-person event full of speakers, networking, education, and fun!

IN Horticultural Conference & Expo

Diversified Farming and Food Systems



2023

**INDIANA
SMALL FARM
CONFERENCE**

March 2-3 *Hendricks County Fairgrounds
Danville, Indiana*

The Indiana Small Farms Conference is happening in 2023!! As we move forward with confirming speakers we'd like to get additional input on topics and speakers you're interested in hearing from next year.

Save the date for the 2023 Indiana Horticultural Conference & Expo at the Beck Agricultural Center in West Lafayette, Indiana on January 23 and 24. The two-day conference will feature educational sessions for commercial fruit and vegetable producers. Certified Crop Adviser Continuing Education Units will be available.

Grain Silo Safety

Over the last several decades, hundreds of injuries and deaths have occurred in grain bins across the country due to engulfment. Few people realize the hazards from flowing grain including the risk of entrapment and suffocation. A grain bin engulfment can happen in the blink of an eye and cause serious injury or suffocation resulting in death. Flowing grain entrapments fall into four primary categories:

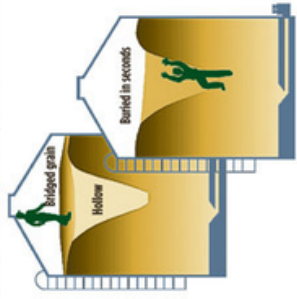
1. Engulfment in a Flowing Column of Grain - Bill Field, Professor of Agricultural and Biological Engineering and leader of the Purdue Ag Safety and Health Program says, "When the grain is flowing they're trying to scrape the walls off or break up crusted grain and they get too close to the center and that center's moving at about the same volume or capacity as the auger that's emptying the bin. So it only takes a few seconds for your body to get into that flow and you almost go to the floor."
2. Collapse of Horizontal Crusted Grain Surface - This happens when grain spoils and forms a crust, Field says it can become so compacted it can be walked on and farmers often enter the bin to break it up. "When they go into that crusted grain and there's a surface on the grain that grain surface will be very compact and you can walk on it and you might not realize that there's a void underneath or a hot spot and that breaks through and they end up getting pulled into the flow of grain and getting entrapped."
3. Collapse of Vertical Crusted Grain Surface - Field says this is where spoiled or caked grain stands in almost a vertical column. This can also occur inside a bin where spoiled grain is clinging to the bin walls. "It looks like a statue or a column standing there in the middle of the bin and farmers will try to go in there and break it up from the base. And that's a very unstable column of grain, just molded together and if it collapses it will often just bury the farmer."

4. Entrapment or Suffocation in Grain Transport Vehicles - this includes grain carts, wagons and trucks and often occurs during the unloading operation. Field says, "People have been caught in truckloads of grain while they were trying to break them free and if the corn or beans or whatever is wet it'll seal up overnight and become very difficult to empty and they'll get on top of that and try to break it up and the next thing you see is they're down in that truck."

5. He says it only takes 4 or 5 seconds for a farmer who enters a grain bin with the unloader running to be submerged to the point of becoming helpless. And it takes less than 20 seconds to be completely submerged in flowing grain. Again, Field says most grain bin accidents occur when farmers are trying to move out of condition grain, so he recommends keeping grain in good condition with proper management. You can learn more at Purdue Extension's website, which is agconfinedspaces.org.

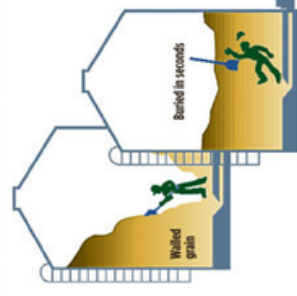
Grain silo dangers

People become caught or trapped in grain silos and moving or flowing grain is involved in all three scenarios.

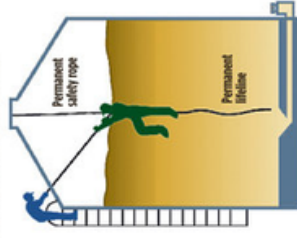


1. A collapse of bridged grain
Grain can become bridged when it is moldy, high in moisture content or in poor condition. The kernels stick together and form a crust which may be self-supporting. This gives a false indication that the surface is safe to stand on.
WHAT HAPPENS: A hollow cavity will form under crusted grain when some of the grain has been removed from the bin. The surface over this cavity is not strong enough to support a person. As the person walks onto the grain, the bridge of crusted grain collapses. The victim instantly falls into the cavity and is usually buried under several feet of grain.
RESCUE PROBLEMS: It is difficult to find the victim in such situations.

Source: North Dakota State University



2. Collapse of a vertical mass of grain
Grain can "set up" in a large mass against the bin wall or in various formations when it has been stored in poor condition.
WHAT HAPPENS: The mass of grain can collapse and "avalanche" down on a worker who attempts to break it loose. There is no warning this will happen. The impact knocks the worker off his feet and buries him almost instantly.
RESCUE PROBLEMS: If secondary avalanches are possible, it will be very risky for rescue personnel to dig out the worker. The grain will have to be stabilized or knocked down so it is safe for rescue personnel to work.



3. Flowing grain
Flowing grain will not support a person. It will pull a person down into the grain mass as it flows.
WHAT HAPPENS: The "suction" action is strong enough that a person cannot climb or walk against it and get out. As grain flows out, the victim will be pulled down and under quickly.
RESCUE PROBLEMS: A person cannot be pulled from flowing grain without risk of injury to the spine if the grain is at waist level or higher. Research has shown that up to 400 pounds of pull is required to extract a body from waist-deep grain.

GAZETTE GRAPHIC/KRIS KINKADE

Indiana State Department of Agriculture

Farmers across the state are working hard to harvest this year's crop! Keep these quick tips in mind when on the roadway as #Harvest22 continues:

- △ Stay alert
- Be patient
- Do not tailgate farm equipment
- Do not pass in a no passing zone
- #SafeHarvestIN



Farmland for the Next Generation

During this 4-session virtual program hear from industry representatives, farmers, & extension personnel as we prepare you for your future land acquisitions.

When: Monday evenings
Nov. 7th - 28th

Where: 6:30-8:30 pm EST /
5:30 - 7:30 pm CST

Cost: \$50 per family

Register: <https://tinyurl.com/Farmland22>
by Oct. 31st

Questions? Please contact Kathryn Weiss,
weiss44@purdue.edu or (219) 285-8620 ext. 2800



Extension

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Extension - Harrison County

MANAGING FOR TODAY AND TOMORROW

SUCCESSION, BUSINESS, ESTATE AND RETIREMENT PLANNING FOR FARM AND RANCH WOMEN

DECEMBER 5, 7, 9, 12 AND 14, 2022
virtual program 10 am - 12 pm EST

REGISTRATION

Register at:
<https://tinyurl.com/M42AT>
by **November 28, 2022**
Cost: \$25 per person

For more information Contact
Jennifer Logue
Phone (765) 458-5055
Email jlogue@purdue.edu

If you require special accommodations please contact us by **November 28th**

PARTNERS



ANNIE'S PROJECT
FARM AND RANCH WOMEN'S EDUCATION

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Extension - Harrison County



Thinking Inside the Box



Growing CSA's across the Tri-State

NOVEMBER 12-13

Want to learn more about how to start a community supported agriculture (CSA) program or how to expand your existing CSA and make it more sustainable and successful?

If so, then the Thinking Inside the Box: Growing CSAs across the Tri-State Region Conference, is a place to find answers to those and other CSA questions. Hear directly from industry leaders and learn more ways to make your CSA more successful. This Tri-State CSA conference is a collaboration between Purdue University, The Ohio State University, and Michigan State University Extension.

Our featured farmer is Corinna Bench, co-founder of Shared Legacy Farms, a 400-member certified organic CSA in northwest Ohio. She is also the founder of mydigitalfarmer.com and the My Digital Farmer Podcast, where she teaches CSA farmers these same online marketing tactics to build a profitable business.



THE OHIO STATE UNIVERSITY
COLLEGE OF FOOD, AGRICULTURAL,
AND ENVIRONMENTAL SCIENCES



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Extension - Harrison County

Southeastern Indiana Agriculture & Natural Resources Lunch & Learn Webinar Series

Make the most of your lunch break and join extension educators live to discuss topics relevant to you and your operation. *All sessions are hosted at 12 pm noon.* Call (812) 265-8919 or email copelanb@purdue.edu with any questions.

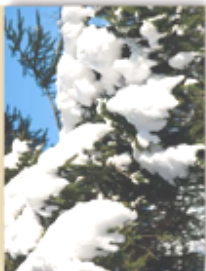
November 3
Forage Quality



November 17
Soil Health in the Garden



December 1
Winter Care of Trees & Shrubs



January 12
Growing Bigger Fish



January 26
Frost Seeding Pastures



February 9
Home Lawn Care



February 23
Gardening 101



Register for one or all here:
bit.ly/3fgf32m



Extension - Agriculture and Natural Resources

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Extension - Harrison County

AREA 2 APPLICATOR PROGRAM

Thursday, November 10, 2022

Obtain Private (PARP) and Commercial

(CCH - CAT 1, 14, RT) Applicator Credits:

- Mud Management When Feeding Hay from a Soil Health, Fertility & Weed Control Perspective - Robert Zupancic, NRCS Southeast Grazing Specialist
- Forage Species Selection for Pest Management - Keith Johnson, Purdue Extension Forage Specialist
- Pesticide Poisoning of Livestock - Extension Educators

PURDUE EXTENSION CLARK COUNTY	PURDUE EXTENSION WASHINGTON COUNTY	PURDUE EXTENSION HARRISON COUNTY
9:00 - 11:00 am Clark Co. Fairgrounds Community Building 9608 Highway 62 Charlestown, IN 47111 Info or RSVP: 812-256-4591 or hipotter@purdue.edu	1:00 - 3:00 pm Washington Co. Fairgrounds 4-H Building 118 Fair St. Salem, IN 47167 Info or RSVP: 812-883-4601 or dhowellw@purdue.edu	6:00 - 8:00 pm Harrison Co. Extension Office 247 Atwood St. Corydon, IN 47112 Info or RSVP: 812-738-4236 or gmanders@purdue.edu

PROGRAM REMINDERS:

- Participants earn PARP & CCH (CAT 1, 14, RT) credit by attending one program only.
- Program is free. \$10 for PARP credit, cash or check only.
- RSVP's appreciated by Wednesday, November 9, 2022, but not required.

PRIVATE and CAT 1, 14 & RT APPLICATORS:

The 2022 Area 2 Applicator Program is scheduled for Thursday, November 10, 2022 in three locations.

RSVP's are appreciated by Wednesday, November 9, 2022, but not required.

- Clark County Fairgrounds (9608 Highway 62, Charlestown) from 9:00-11:00 am. RSVP to hipotter@purdue.edu or 812-256-4591.
- Washington County Fairgrounds (118 Fair St., Salem) from 1:00-3:00 pm. RSVP to dhowellw@purdue.edu or 812-883-4601.
- Harrison County Extension Office (247 Atwood St., Corydon) from 6:00-8:00 pm. RSVP to gmanders@purdue.edu or 812-738-4236.

Topics at all three locations:

- Mud Management When Feeding Hay from a Soil Health, Fertility, and Weed Control Perspective - Robert Zupancic, NRCS Southeast Grazing Specialist
 - Forage Species Selection for Pest Management - Keith Johnson, Purdue Extension Forage Specialist
 - Pesticide Poisoning of Livestock - Extension Educators
- The program is free, but private applicator credits are \$10, cash or check only. Commercial applicator credits (1, 14, & RT) are available. Participants receive credit for attending one program.

Indiana Master Cattleman Program



The Indiana Master Cattleman program is designed to assist beef cattle producers improve profitability through an increase in production efficiency, forage utilization, reproductive success, genetic selection, herd health, and business management. This advanced, in-depth educational experience offers beef cattle producers the opportunity to take their operations to the next level.

Each participant (or farm, if there are additional registrants) will receive the Indiana Master Cattleman educational materials, a Forage Field Guide, *Cow-Calf Production in the U.S. Corn Belt*, and soil and hay analyses.

Master Cattleman certified producers will:

- ◊ Develop a business plan
- ◊ Perform a cow-herd assessment and set goals
- ◊ Improve marketing strategies
- ◊ Improve nutrition, forage management, reproduction, and genetics programs
- ◊ Participate in exclusive hands-on field days
- ◊ Network with other Indiana beef producers and industry professional

This 11-week program is offered on Tuesdays from 6-9 PM beginning Dec. 6, 2022 and ending March 7, 2023 (snow date of March 14, 2023).

Location: Jackson Co. Community Foundation
107 Community Dr., Seymour, IN 47274**
** (Dec. 6, Feb. 7 & March 7 sessions are held at Jackson County Courthouse (Old Courtroom), 111 S Main St., Brownstown, IN 47220)

Registration Fee: \$200/person. Additional attendees from a farm are \$100/person.

Registration Deadline: Tuesday, November 29
Class size limited to 25 producers.

Contact: Richard Beckort - rbeckort@purdue.edu; 812-358-6101

The Indiana Master Cattleman Program will be hosted in-person in Jackson County on Tuesdays starting Dec. 6! Don't miss out on this opportunity as space is limited. Please see flyer for more information. Harrison County Residents Welcome. Contact Purdue Extension Jackson County at 812-358-6101



Dubois County PARP Workshop

December 5, 2022 6:00 - 8:00 PM EST

Dubois County 4-H Fairgrounds - Clover Pavilion
4095 S. State Road 162, Huntingburg, IN 47542

PARP CREDIT FEE \$10.00 - BRING YOUR PESTICIDE CARD
Attendance for the entire program is required for PARP credit.
*CCH & CCA credits applied for.

- 5:50 – 6:00 PM *Welcome and Introductions*
- 6:00 – 7:00 PM *"Pesticide Storage" - Valerie Clingerman, Purdue Extension - Knox County*
- 7:00 – 8:00 PM *"Mini Bulks" (PARP Topic) - Kenneth Eck, Purdue Extension - Dubois County*

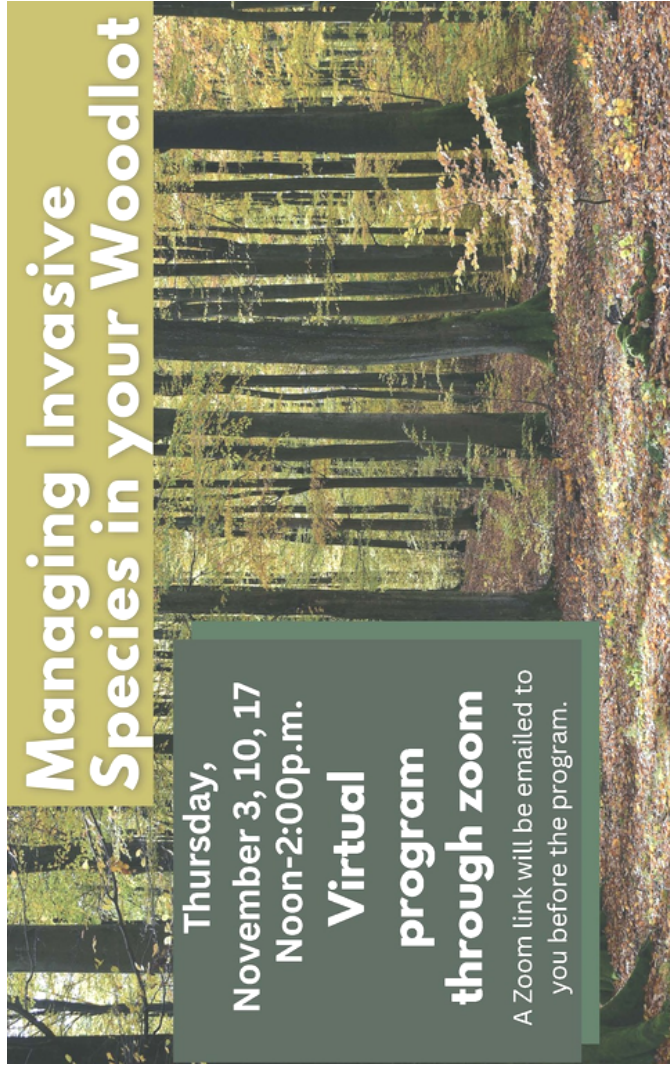
PURDUE EXTENSION

Purdue University Cooperative Extension Service is an equal access/equal opportunity institution. If you need a reasonable accommodation to participate in this program, please contact us prior to the event at 812-482-1782. Purdue University, Indiana Counties and U. S. Department of Agriculture Cooperating

*CCH. Cat. 1, 2, 3a, 3b, 4, 5, 6, 7a, 7b, 8, 11 & 14 - 2.0 CCH & CEU. IPM - 2.0



Extension - Harrison County



Managing Invasive Species in your Woodlot

Thursday,
November 3, 10, 17
Noon-2:00p.m.
**Virtual
program
through zoom**

A Zoom link will be emailed to you before the program.

This program will give you the tools to help protect your woods and timber stands by learning to identify and manage invasive diseases, insects, and plants.

For more information please contact:

Danielle Walker - Washington County - dhowellw@purdue.edu 812-883-4601

Ophelia Davis - Lawrence County - odavis@purdue.edu 812-275-4623

Richard Beckort - Jackson County - rbeckort@purdue.edu 812-358-6101

Register by using
the link
bit.ly/woodlotinvasives or
scanning the QR Code.

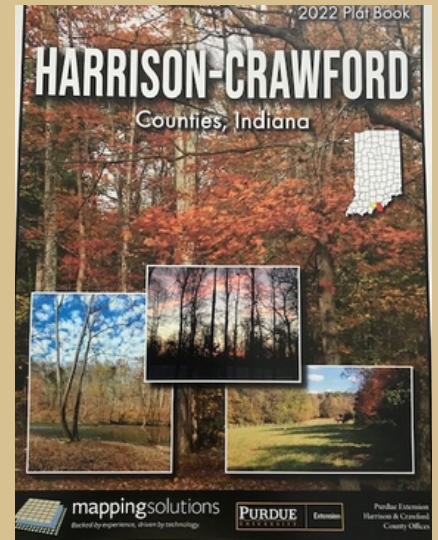


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Purdue Extension
Harrison County
247 Atwood Street
Corydon, IN 47112

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ANR Newsletter



NEW 2022 Harrison/Crawford Plat Books available for purchase at the office. \$25.00 cash or check



Extension - Harrison County

Over the Back Fence

Agriculture and Natural Resources Extension Newsletter

Rebecca Wilkins
County Extension Director
Extension Educator
4-H Youth Development

Tara Beckman
Extension Educator
Health and Human Sciences

Position Open
Extension Educator
Agriculture and Natural Resources

Katie Davidson
Community Wellness Coordinator (CWC)
Floyd, Clark, and Harrison Counties

Cindy Finerfrock
Nutrition Education Program Advisor (NEPA)
Harrison and Floyd County

Mary Eve
Office Manager

Jocelyn Faith
Administrative Program Assistant

Jane Lasher
Administrative Assistant

Julie Age
Administrative Assistant

p. 812 738-4236
f. 812 738-2259

a. 247 Atwood St. Corydon, IN
extension.purdue.edu/harrison

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bit.ly/harrisoncoyoutube