

DUBOIS COUNTY AGRI-NEWS

October 2023

Purdue Extension - We transform lives and livelihoods through research-based education.



Beef Quality Assurance (BQA) Training & Certification

Cattle producers wanting in-person training and certification for **Beef Quality Assurance (BQA)** will have an opportunity on November 2, 2023 from 6:30-9:00 PM. The training will be hosted by Purdue Extension at the Southern Indiana Purdue Ag Center (SIPAC) at 11371 E. Purdue Farm Road, Dubois, IN.

Pre-registration is needed for accommodations, exams, and certificates as well as to speed the registration process and printing of certificates, and can be made to the Purdue Extension – Dubois County office at duboisces@purdue.edu or ph.(812)482-1782.

Beef Quality Assurance (BQA) is a program that provides systematic information to U.S. beef producers of how good husbandry techniques can be coupled with accepted scientific knowledge to raise cattle under optimum management conditions. BQA Certification is valid for a consecutive three year period, with BQA certification frequently being a requirement for the purchase of cattle by many large-scale buyers.

OISC Pesticide Applicator Changes

There were some recent Office of the Indiana State Chemist (OISC) revisions to the Indiana pesticide rules that affect applicators, particularly those who apply Restricted Use Pesticides (RUPs). These revisions have been in process since 2018, and officially became a part of application rules in January 2023.



The biggest change is that **only fully certified applicators** (private and commercial) are now allowed to apply Restricted Use Pesticides (RUPs). The previous rule was that RUPs could be applied by anyone who was supervised by a private or commercial fully licensed applicator, but all must now be fully licensed.

So, how do you obtain a Private Applicator license? The most popular way to take the exam has been to obtain the training manual for the CORE exam (PPP-13), study the manual at home, and then take the exam at the Ivy Tech Community College in Evansville (other testing locations available at <https://tinyurl.com/5kb6898w> or ph. 877-533-2900). The test is administered by the Metro Institute, and Ivy Tech merely provides the supervision during the exam.

To prepare for the exam, the study manual can be purchased for \$40 plus shipping at <https://tinyurl.com/yrixswt5> or by calling 765-494-6794. Manuals are available in English and Spanish.

Once you receive a manual, go on-line to <https://tinyurl.com/5yy5xay6> or call 1-877-533-2900 to schedule an appointment to take the exam. Leave a message and let them know when the best time is to reach you. Everyone taking the exam must show a government-issued photo ID. Contact the Indiana State Chemist at 756-494-1492 for alternative identification, if needed. A person is allowed three attempts to take the exam in 12 months' time. There is a \$55 fee for use of facilities through Ivy Tech.

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Indiana Beef Cattle Association (IBCA) Area 3 Meeting



The Area 3 Indiana Beef Cattle Association Meeting will take place on December 13, 2023 at 7:00 pm. ET / 6:00 p.m. CT at The Village Inn, 242 S State Road 57, Petersburg, IN (Glezen, IN). The current IBCA Area 3 Director is Mick Douglas

The IBCA area meetings are open to all beef producers and feature great food, valuable information on beef issues, policies, programs, and fellowship. There will also be updates on current news& events from Indiana Beef Cattle Association and Indiana Beef Council, Indiana State Board of Animal Health, National Cattlemen's Beef Association and Purdue Extension.

Reservations for meal and materials are needed to the Purdue Extension - Gibson County office at 812-385-3491 by 12/6/23.



Free Soil Sampling Program for Indiana Farmers

The Indiana State Department of Agriculture (ISDA) and partners throughout the state have worked with the Gulf Hypoxia Program (GHP) to develop a no-cost program with a focus on increasing the knowledge and use of soil sampling as a nutrient management practice to benefit farm operations. The program, titled Indiana's **Mississippi River Basin Soil Sampling Program**, is open now for applicants. The new program focuses on soil sampling and testing because it is a key agronomic component, and first step, of developing a plan for nutrient management.

Soil sampling provides an assessment of the soil's fertility which can be used for making fertilizer application recommendations, assessing available nutrients over time, increase farmer profitability and enhance environmental protection by reducing the risk of nutrient loss. This project was developed to help further Indiana's State Nutrient Reduction Strategy efforts.

This program includes row crop fields, pastures and specialty crops located within Indiana's portion of the Mississippi River Basin. Participating landowners will be prioritized by fields that have never been soil sampled and fields that haven't been sampled regularly (i.e., within the last 3-4 years). Further prioritization may be implemented based on interest in the program. This program excludes hobby gardens and private lawns.

Interested farmers can sign-up online at ISDA's website at <https://www.in.gov/isda/divisions/soil-conservation/indiana-soil-sampling-program/#About> or by reaching out to soilsampling@isda.in.gov. Sign-ups are now open and ISDA is accepting sign-ups until April 17, 2024.

This program was made possible thanks to ISDA, Indiana Soybean Alliance, Indiana Corn Marketing Council, Indiana Agriculture Nutrient Alliance (IANA), Indiana Conservation Partnership (ICP) members, U.S. Environmental Protection Agency, farmers and Certified Crop Advisors.

Oral Agreements - Termination of a Farm Lease - December 1st

Termination of a lease or rental agreement may be necessary for a number of reasons, the most common reasons being to make the land available for another tenant or for the sale or transfer of the property. Indiana law (IC 32-31-1-3) says a three-month notice may be required. When a lease agreement does not otherwise specify, the end of the lease year is likely to be the last day of February. This implies that the lease notice must be delivered **before December 1** of the prior year.



Estimated Farmland Sale & Cash Rent Values - 2023

Below are summaries of survey results from participants around Indiana polled on average Indiana land sale and rent rates.

Average estimated Indiana land value and cash rent per acre (tillable, bare land) 2022 and 2023, Purdue Land Value Survey, June 2023.

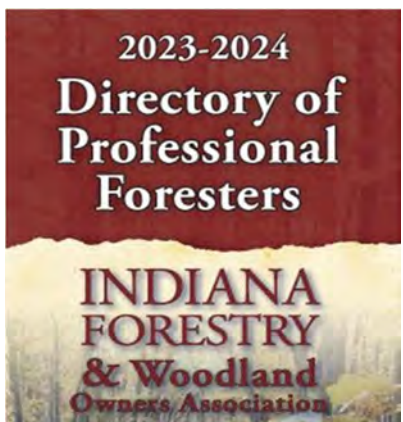
Area	Land Class	Corn bu./A	Land Value (\$)			Rent Value (\$)		
			June 2022 \$/A	June 2023 \$/A	% Change	June 2022 \$/A	June 2023 \$/A	% Change
Southwest*	<i>Top</i>	227	13,825	12,857	(-7.0%)	309	296	(-4.07%)
	<i>Average</i>	193	10,222	9,450	(-7.6%)	244	239	(-2.22%)
	<i>Poor</i>	160	8,022	7,182	(-10.5%)	194	173	(-10.71%)
Indiana	<i>Top</i>	221	12,808	13,739	7.3%	300	306	1.99%
	<i>Average</i>	193	10,598	11,210	5.8%	252	257	2.09%
	<i>Poor</i>	165	8,631	8,689	0.7%	207	212	2.50%

**Southwest Indiana is comprised of Clay, Daviess, Dubois, Gibson, Greene, Knox, Martin, Owen, Pike, Posey, Spencer, Sullivan, Vanderburgh, Vigo and Warrick counties.*

Full Purdue Agricultural Economics Report available at:

<https://ag.purdue.edu/commercialag/home/paer-publication/indiana-farmland-prices-continue-to-rise-in-2023>

Directory Helps Woodland Owners Find Professional Foresters



A new Directory of Professional Foresters is now available, listing Indiana foresters who provide private woodland services and advice. Foresters are located throughout the state and provide assistance such as management plans, timber sales, tree planting, invasive species control, and many other services.

“Finding the resources to help you meet your woodland management objectives is important and key to successful stewardship of private woodlands,” says Lenny Farlee, Purdue Extension Forester. “Professional foresters can provide expert advice and assistance to meet your property management goals.”

The Directory is available online via interactive map at www.findindianaforester.org to find foresters by county or address, or as a downloadable document. Printed copies of the booklet are available at County Extension and Soil & Water Conservation District offices or through a state Division of Forestry district forester or by request to ifwoa1@gmail.com.



TAX STRATEGIES FOR MIDWESTERN FARM AND RANCH WOMEN

A 3-STATE/3-PART VIRTUAL WORKSHOP SERIES

Nov. 28 | Dec. 5 | Dec. 12 6:30-8 p.m. CT

TAX
101

SCHEDULE
F
ESSENTIALS

ACCOUNTING
&
DEDUCTIONS

REPORTING
&
COMPLIANCE

\$30 registration fee | REGISTER BY NOV.27

<https://tinyurl.com/WIATax23>



This material is based upon work supported by the U.S. Department of Agriculture, under agreement.

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North American International Livestock Exposition

The 50th North American International Livestock Expo (NAILE) will be held November 2–16, 2023 at the Kentucky Exposition Center, Louisville, KY. Full information and schedules are available at: <https://livestockexpo.org/>.



The North American International Livestock Exposition is the world's largest all-breed, purebred livestock exposition. Ten different species of livestock compete in the exposition, and the purebred beef and sheep events are the largest in the world.

NAILE visitors will find entertainment options for all. NAILE is the largest all-breed, purebred livestock exposition, and with 30,000 total entries. There are more than 140 competitions held, and global industry standards are annually established during the show as breeders merchandise bloodlines and genetics to local and international interests.

As the dust settles from the various competitions, the sale of livestock heats up, all building to the Sale of Champions. Check out some of these animals in action by attending the Quarter Horse Show at Broadbent Arena or the North American Championship Rodeo in Freedom Hall.

IDNR Tree Orders and Information



The IDNR - Division of Forestry has released order forms for bulk seedlings for the 2024 spring season. Order forms are available either on-line or through the Purdue Extension office, with seedlings being available for spring pick-up with DNR.

Orders will taken beginning October 2, 2023 through May 1, 2024, with trees available as long as supplies are available from the DNR Vallonia Tree Nursery.

To order trees you can contact the Vallonia Nursery directly at ph.(812)358-3621, or order on-line after October 2nd at: www.INForestryX.com

For contact information on local DNR Foresters, visit their website at:

<https://www.in.gov/dnr/forestry/private-forestland-management/district-foresters/>

Custom Farm Rates - 2023

Producers needing estimates for farm rates for practices from planting and harvest to tiling, hay baling and grain hauling can find averages at the following sites:

Purdue University “2023 Indiana Farm Custom Rates”:

<https://ag.purdue.edu/commercialag/home/resource/2023/03/indiana-farm-custom-rates/>

Iowa State Univ. “2023 Iowa Farm Custom Rate Survey”:

<https://store.extension.iastate.edu/Product/fm1698-pdf>

Seasonal Tips for Cattlemen

October

- A final alfalfa harvest can be late in the month after growth has stopped and the temperature drops to 24 degrees Fahrenheit or below. Preferably, graze the growth or harvest it as silage. Leave a high stubble.
- Remove livestock from excessively wet soil to reduce plant injury.
- Overgraze pastures that are to be renovated with legumes.
- Graze corn residues as a feed cost-reduction strategy (Check grazing restrictions for row crop herbicides that had been applied).
- In areas with a history of grass tetany problems, be sure to give cows at least 1 ounce of magnesium oxide per head per day in their mineral mix or protein supplement.
- Use sorghum-sudangrass and sudangrass before a killing freeze to avoid prussic acid poisoning. Also, beware of similar concerns with Johnsongrass infestations.



November

- Restrict all traffic on legume hay fields.
- Check on seed availability and prices for next spring's seeding.
- Select appropriate forage species and varieties for the following season.
- Continue to overgraze pastures that are to be renovated with legumes.
- Use tillage to disturb soil in the pasture when non-erosive and dry to prepare the pasture for renovation.
- Broadcast fall-applied herbicides to control winter-annual weeds in legume fields (if necessary).
- Graze corn residues as a feed cost-reduction strategy.
- Graze winter small grains if growth is abundant and soils are firm.

Private Applicator (PARP) & Fertilizer Applicator (Cat. 14) Events

As of this printing the following Purdue Extension events are available for additional PARP and/or Category 14 training, with more tentatively in the works.

Full listing of approved events can be found at:

<https://ag.purdue.edu/departement/extension/ppp/private-applicators/recertification-parp/parp-events/>

November 6	Martin County PARP (Loogootee)	Ph.(812)295-2412
November 6	Daviess County PARP (Washington)	Ph.(812)254-8668
November 8	Crawford Co. Area 2 PARP (Leavenworth)	Ph.(812)338-2352
November 8	Lawrence Co. Area 2 PARP (Bedford)	Ph.(812)723-7107
November 13	Knox County PARP (Vincennes)	Ph.(812)882-3509
November 13	Pike County PARP (Petersburg)	Ph.(812)354-6838
December 7	Perry County PARP (Tell City)	Ph.(812)547-7084
December 12	Precision Farming Solutions Workshop & PARP (H'burg)	Ph.(812)684-9700
December 12	Knox County PARP Workshop (TBD)	Ph.(812)882-3509
December 12	Gibson County PARP Workshop (Princeton)	Ph.(812)385-3491

2024 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. Corn	Rot. Corn	Rot. Beans	DC Beans	Cont. Corn	Rot. Corn	Rot. Beans	DC Beans	Cont. Corn	Rot. Corn	Rot. Beans	DC Beans	
Expected yield per acre ²	152	162	49	68	179	190	58	80	208	221	67	93	47
Harvest price ³	\$4.90	\$4.90	\$12.65	\$6.05	\$4.90	\$4.90	\$12.65	\$6.05	\$4.90	\$4.90	\$12.65	\$6.05	\$12.65
Market revenue	\$745	\$794	\$620	\$411	\$877	\$931	\$734	\$484	\$1,019	\$1,083	\$848	\$563	\$595
Less variable costs ⁴													
Fertilizer ⁵	\$165	\$151	\$62	\$85	\$175	\$161	\$72	\$104	\$185	\$172	\$82	\$123	\$60
Seed ⁶	102	102	74	44	124	124	74	44	124	124	74	44	86
Pesticides ⁷	111	105	66	40	111	105	66	40	111	105	66	40	57
Dryer fuel ⁸	47	38	N/A	N/A	56	44	N/A	N/A	65	52	N/A	N/A	6
Machinery fuel @ \$3.80	28	28	17	17	28	28	17	17	28	28	17	17	12
Machinery repairs ⁹	45	45	40	40	45	45	40	40	45	45	40	40	25
Hauling ¹⁰	16	17	5	7	19	20	6	8	22	23	7	10	5
Interest ¹¹	28	27	16	13	30	29	16	14	31	30	17	16	15
Insurance/misc. ¹²	43	43	38	9	48	48	41	9	53	53	43	9	9
Total variable cost	\$585	\$556	\$318	\$255	\$636	\$604	\$332	\$276	\$664	\$632	\$346	\$299	\$275
Contribution margin ¹³													
(Revenue - variable costs) per acre	\$160	\$238	\$302	\$156	\$241	\$327	\$402	\$208	\$355	\$451	\$502	\$264	\$320

¹Estimated yields and costs are for yields with average management for three different soils representing low, average, and high productivity. The high productivity soils represent soils capable of producing corn and soybeans with yields about 20% higher than average soils. Low productivity soils represent soils capable of producing corn and soybeans with yields about 20% lower than the average soils.

²These yields assume average weather conditions and timely plant/harvest dates, except soybean double-crop yield, which is based on a July 1 planting date. Rotation corn, rotation soybean, and wheat yields for average soils are based on the long-run trends in state average yields reported by the Indiana office of the National Agricultural Statistics Service. Continuous corn yields are 94% of rotation corn yields. Double-crop soybean yields are 70% of full-season soybean yields. Continuous corn yields assume a chisel plow tillage system. Double-crop soybean yields apply to central and southern Indiana.

³Harvest corn price is December 2024 CME Group futures price less \$0.25 basis. Harvest soybean price is November 2024 CME Group futures price less \$0.35 basis. Harvest wheat price is July 2024 CME Group futures price less \$.35 basis. Harvest prices were based on opening prices on September 11, 2023. These prices will change.

Full Purdue Crop Cost & Return Information at:

https://ag.purdue.edu/commercialag/home/wp-content/uploads/2023/03/id166_2024-september-2023-projections.pdf

Winter Garden Calendar

Lawns, Tree Fruits, Landscape Plants, and Woody Ornamentals

October

- Keep plants, especially newly planted stock, well-watered until the ground freezes.
- Have soil ready for mounding roses for winter protection. Do not mound or cover the roses until after leaves drop and soil is near freezing, usually in late November or early December.

November

- Prevent rabbit and rodent feeding damage by erecting physical barriers, such as metal mesh (1/4") hardware cloth. Pull mulch away from the trunk a few inches because the mulch provides a warm winter home for rodents. Chemical repellents are also available, but their effectiveness is temporary and not fool proof.
- Prevent frost cracking (or sunscald) by wrapping trunks with commercial tree wrap or painting the south and southwest facing sides of the trunk with white latex outdoor paint. Young, thin-barked trees such as maples and many fruit trees are especially susceptible.
- Remove dead, diseased, or damaged branches.
- Protect the graft union on rose bushes by mounding soil up 12 inches around the plants and adding mulch on top. Wait until after several killing frosts have occurred so that plants will be dormant when covered. Plants covered too early may be smothered.
- If you are planning to order a "live" Christmas tree, prepare its planting hole before the soil freezes. Mulch the area heavily to prevent freezing, or dig the hole and put the fill in a protected, nonfreezing area, such as a garage or basement.

Indoor Plants and Activities

October

- Pot-up spring-flowering bulbs with tips exposed, to force into bloom indoors. Moisten soil and refrigerate 10 to 13 weeks. Transfer to a cool, sunny location, and allow an additional three to four weeks for blooming.
- Water indoor plants less frequently, and discontinue fertilizer as plants slow down or stop growing for the winter season.

November

- Move plants closer to windows or to sunnier exposures, such as west and south facing windows, if plants are dropping many leaves. Artificial lights may be needed to supplement particularly dark rooms.
- Continue dark treatment for poinsettias by keeping them in complete darkness from 5 p.m. to 8 a.m. until early December, or until red bracts begin to show.

Flowers, Vegetables, and Small Fruits

October

- Harvest root crops and store in a cold (32°F), humid location. Storing produce in perforated plastic bags is a convenient and easy way to increase humidity.
- Harvest brussels sprouts as they develop in the axils of the leaves from the bottom of the stem. Brussels sprouts will continue to develop up the stem.
- Harvest pumpkins and winter squash when rind is hard and fully colored but before frost. Store in a cool location until ready to use.
- Harvest gourds when stems begin to brown and dry. Cure at 70 to 80°F for two to four weeks.
- Asparagus top growth should not be removed until foliage yellows. Let foliage stand over the winter to collect snow for insulation and moisture.
- Remove plant debris from the garden to protect next year's planting from insect and disease build-up. Compost plant refuse by alternating layers of soil, plant material, and manure or commercial fertilizer.
- Carve a Halloween jack-o'-lantern.
- Complete planting of spring-flowering bulbs.
- Strawberry plants need protection from winter's extremes, but applying winter mulch too early may cause crowns to rot. Wait until later in November.

November

- Have garden soil tested for fertilizer needs every three to five years.
- Fall tilling, except in erosion-prone areas, helps improve soil structure and usually leads to soils warming up and drying faster in the spring, thus allowing crops to be planted earlier.
- Apply winter mulch to strawberries when plants are dormant but before temperatures drop below 20°F, usually in late November or early December.



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Jasper, IN 47547
Telephone: (812) 482-1782
Website: <http://www.extension.purdue.edu/dubois>

Return Service Requested

DUBOIS COUNTY AGRI-NEWS

Purdue Extension - Dubois County
Kenneth J. Eck, ANR Educator
P. O. Box 588
Jasper, IN 47547

Phone: 812-482-1782
Email: kjeck@purdue.edu
<http://www.ces.purdue.edu/dubois/>

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CALENDAR OF EVENTS

2023

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|--------------------------|---|
| Nov. 2 | Beef Quality Assurance (BQA) Training & Certification (Cuzco) |
| Nov. 2-16 | North American Int. Livestock Exposition (Louisville, KY), |
| Nov. 6 | Martin County PARP (Loogootee) |
| Nov. 6 | Daviess County PARP (Washington) |
| Nov. 8 | Crawford Co. Area 2 PARP (Leavenworth) |
| Nov. 8 | Lawrence Co. Area 2 PARP (Bedford) |
| Nov. 13 | Pike County PARP (Petersburg) |
| Nov. 13 | Knox County PARP (Vincennes) |
| Nov. 28, Dec. 5 & 12 | Tax Strategies for Midwestern Farm and Ranch Women (Virtual) |
| Nov. 28, Dec. 5, 12 & 19 | Know Your Numbers, Know Your Options (Virtual) |
| Dec. 4 | Land Stewardship Initiative "Data Driven Decisions" Workshop (Jasper) |
| Dec. 7 | Perry County PARP (Tell City) |
| Dec. 12 | Precision Farming Solutions Meeting/PARP (Huntingburg) |
| Dec. 12 | Knox County PARP Workshop (TBD) |
| Dec. 12 | Gibson County PARP Workshop (Princeton) |
| Dec. 13 | IBCA Area 3 Meeting (Glezen) |
| Dec. 14-16 | Indiana Farm Bureau State Convention (Fort Wayne) |

2024

- | | |
|----------------------------|---|
| Jan. 16 | Purdue Area Corn & Soybean Day (Darmstadt) |
| Feb. 5,12,19&26 | Purdue Forest Mgmt. for the Private Woodland Owner (Cuzco) |
| Mar. 8 & 9 | Purdue Southwest Indiana Homesteading Conference (Newburgh) |
| Mar. 4, 9, 11, 18, 23 & 26 | Purdue Forest Mgmt. for the Private Woodland Owner (Cuzco) |