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US and China phase one deal is signed

BY RACHEL LANE
DC Correspondent

Washington, DC —The US and China have a phase one deal signed, but the struggle for a bilateral trade deal is not over yet.

The first phase of the deal would have China purchasing about \$32 billion in agricultural products over the next two years. Details of the deal are still limited, but it was signed on Jan. 15 by President Donald Trump.

On Friday, the EU Trade Commissioner Phil Hogan said the agreement would be reviewed to determine if it conflicts with any trading rights according to the World Trade Organization standards.

"If there's a WTO complaints issue, we will of course take a case," he said at an event hosted by the Center for Strategic and International Studies. "We're not trigger happy about taking cases to the WTO... but we'll stand up for our own economic interests."

The deal seems to provide favorable conditions for Boeing to sell to China over EU company Airbus, he said.

He isn't sure the deal will have much economic benefit since the tariffs placed by both countries are still in place.

The deal does highlight intellectual property rights in the first chapter of the 96-page agreement. Intellectual property remains a challenge countries face when doing business with China. Companies doing business with China for decades have had to worry about intellectual property theft, from technology to the genetics of livestock.

Jeff Kaprelian, president at Kapco Futures, said, overall, the agreement is a win, but farmers still need to be smart about marketing and risk management.

Based on 2017 trade data, the deal will provide a larger bump in agriculture exports to China than the natural trajectory of the market, he said. That raises the concern about what it means to other trading partners.

"The rest of the world will have to rely exclusively on South America for their soybeans," he said. "China is the easy answer."

He said it is up to the USDA to sell the story, to open markets for US agriculture products. In soybeans, Brazil is the largest global competitor for the US. The US is more reliable, with better transportation to get soybeans to ports. Brazil relies primarily on trucks to transport crops and the roadways are not as reliable in some areas of the country. In the last two years, Brazil - and China - have been investing in the infrastructure of the country.

"I don't think the trade war has done a tremendous amount of damage... If you go back to look at a chart 20 years ago, you won't even notice," Kaprelian said.

He does wish the deal was more specific. Instead of discussing specific commodities, the agreement addresses categories. The categories do cover most of the agriculture industry, which means it probably won't be addressed in Phase 2 or Phase 3 of the agreement.

The entire agreement seems to lack specific details, he said. "I think it gives China a lot of outs," he added. If Phase 2 or Phase 3 is not approved, the entire deal will fall apart.

When asked what China is getting out of the deal, Kaprelian said he didn't know and that is part of the reason he's worried the deal won't hold.

Still, the farming community is opportunistic. "The Phase-One Agreement with China will be a game changer for the U.S. beef industry," said NCBA President Jennifer Houston, who joined President Trump at the White House for the signing.

She said non-scientific barriers like the ban on production technology, extensive tracivility requirements and a 30-month BSE restriction have limited US beef imports into China.

NCBA says that this Phase-One Agreement will begin knocking down those trade barriers and significantly improve access to what is potentially a top export market for U.S. beef producers.

(USDA reports continued on page 4)



Above: Visitors of all ages loved attending the Fort Wayne Farm Show Jan. 14-16. Photo by Michelle Mihajevich

Borden bankruptcy a loud signal of change

BY STAN MADDUX
Indiana Coorespondent

DALLAS, Texas—Recent bankruptcy filings by two of the nation's largest milk producers is a louder call for small dairies to find their place in a changing market if they want to survive.

The good news is there's room but probably not for everyone. That's according to Dr. Pete Goldsmith, an agriculture economist at the University of Illinois. "Things are evolving. Adapting and changing is always hard. That's the challenge but there are a lot of opportunities," he said.

Borden Dairy Co. filed for Chapter 11 bankruptcy protection on Jan. 5 and Dean Foods on Nov. 12. Borden said milk consumption has dropped six-percent in the U.S since 2015 and the cost of raw milk has gone up from having fewer suppliers while retail prices have weakened due to lower consumer demand. "These challenges have contributed to making our current level of debt unsustainable," said Tony Sarsam, chief executive officer

for the company.

Net sales of \$1.2 billion resulting in a net loss of \$14.6 million were listed by the company in its bankruptcy filing for 2018. Borden reported a net loss of more than \$40 million for 2019.

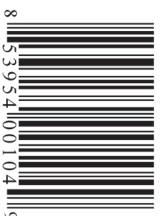
The company revealed it plans to shed debt and position itself for "long-term success" during the bankruptcy proceedings.

Borden Dairy Co., known for its advertising mascot "Elsie the Cow," has roots extending to 1857 when Gail Borden developed a successful commercial method of condensing milk. By 1930, Borden had become the largest distributor of fluid milk in the U.S.

Goldsmith said the struggles of processors like Borden and Dean and their small to mid-level suppliers are a result of more competition from other beverages and major retailers like Wal Mart and Kroger buying milk directly from strictly large dairy operations.

Processors paying more from less efficient smaller producers and can't recover the cost in pricing at the stores, he said. Goldsmith said the

(Borden continued on page 11)



YOUTH PARTICIPATION ON THE RISE AT THE OHIO BEEF EXPOSITION - PAGE 1B



IN THIS FARM WORLD:

- Bacon Bar and Brunch event at the Indiana Statehouse. Page 9B
- Canadian Pacific hits recors grain movement in 2018-2019 crop year . Page 12

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USMCA passes through Senate

BY RACHEL LANE
DC Correspondent

Washington, DC - After years of work, the USMCA is expected to be signed into law in the US this week.

Last week, the Senate passed the bill with an 89 to 10 vote. The passage of the bill came the day after President Donald Trump signed the Phase 1 deal with China.

The same day the USMCA passed the Senate, German Defense Minister Annegret Kramp-Karrenbauer confirmed that Trump did threaten a 25 percent tariff on car exports from the UK, Germany and France if the three countries continued to support the Iran nuclear deal.

The USMCA agreement is not finalized until Canada approves the agreement. The House of Commons reconvenes in late January.

Once it is passed and signed, it will replace NAFTA, an agreement that is over 25 years old. Together, the three countries form the largest economic region in the world.

Canada and Mexico are the largest two agriculture trading partners for the US, totaling more than \$39.7 billion in food and agriculture exports in 2018, according to the USDA. The exports support more than 325,000 American jobs.

"The largest benefit to ag is that we didn't end up starting a trade war with Mexico. That would have been impossible to begin with because our economies ... are so dependent on each other," said Jeff Kaprelian, president of Kapco Futures. "Overall, I don't think the impact will be anything significant for us here in agriculture."

He said row crop farmers will expand access to Canada's animal feed markets for poultry and eggs. The new agreement should increase demand for corn slightly.

There is also increased access for dairy in Canada, an issue of contention in the last decade. American dairy farmers will have expanded market opportunities for a wide variety of dairy products. Canada agreed to eliminate Class 6 and 7 milk pricing programs. The pricing programs allow their farmers to undersell US producers, the USDA reports.

The US will have expanded access to

See USMCA on page 4

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1995 FRT FLD120, CUM, M11, 330HP, 10SPD, SPRING SUSP, P/S, A/C, 20' ALUMINUM DAKOTA GRAIN BED, HOIST, 11X22.5 ALUM BUDDS, 405,500 MILES . **\$45,500**



2013 FRT CORONADO, CUM, ISX, 450HP, 10SPD, AIR RIDE SUSP, P/S, A/C, JAKE BRAKE, 224WB, DUAL STACKS, 11X22.5 ALUM BUDDS, 425,125 MILES, FROM MAJOR LEASING CO. **\$54,500**



2013 KW T660, CUM, ISX, 450HP, 10SPD, 46,000 AIR RIDE SUSP, 14,600 FRT AXLE, P/S, A/C, JAKE BRAKE, 4:11 RATIO, 188WB, 11X22.5 ALUM, 680,337 MILES, FROM MAJOR OIL CO. **\$49,500**



(2) 2013 KW T800, PAC, MX, 485HP, 10SPD, AIR RISE SUSP, P/S, A/C, ENGINE BRAKE, 178WB, 11X22.5 ALUM BUDDS, 491,125 & 491,636 MILES, FROM MAJOR FOOD DISTRIBUTOR **\$49,500 EA**



2013 FRT CASCADIA, DET DD15, 475HP, 10SPD, 46,000 AIR RIDE SUSP, P/S, A/C, JAKE, 14,600 FRONT AXLE, 3:91 RATIO, 185WB, 11X22.5 ALUM BUDDS, 485,488 MILES **\$49,500**



2005 INTL 9200, CUM, ISX, 435HP, 10SPD, AIR RIDE SUSP, P/S, A/C, JAKE BRAKE, 14,000 FA, 197WB, HIAB, XS 144, B-3 CRANE, 11X22.5, 386,857 MILES . . **\$49,500**



(5) 2011 KW T660, CUM, ISX, 450HP, ULTRASHIFT TRANS, AIR RIDE SUSP, P/S, A/C, JAKE BRAKE, POWER WINDOWS, LOCKS, 180WB, 11X22.5 ALUM BUDDS, 237,076-475,125 MILES **\$49,500 & UP**



2010 INTL PROSTAR, CUM, ISM, 385HP, 10SPD, AIR RIDE SUSP, P/S, A/C, POWER WINDOWS, LOCKS, 154WB, 11X22.5 ALUM BUDDS, 509,025 MILES **\$24,500**



(2) 2011 & (2) 2012 INTL 4400, MFDT OR 9, 270HP OR 210HP, ALLISON AUTOMATIC TRANS, AIR RIDE SUSP, P/S, A/C, 158WB 11X22.5, 100,000 THRU 145,000 MILES **2011 \$28,500 EA 2012 \$29,500 EA**



2013 FRT M2, CUM, ISB, 250HP, ALLISON 2500RDS, TRANS, AIR RIDE SUSP, P/S, A/C, 5:29 RATIO, NEW 11' DUMPBED/HOIST TARP, PINTLE HITCH, 11X22.5 ALUM BUDDS, 205,586 MILES. **\$54,500**



2013 FRT M2, CUM, ISB, 250HP, 6SPD TRANS, SPRING SUSP, P/S, A/C, 270WB, 26' VANBODY LIFTGATE, 11X22.5 281,414 MILES **\$23,500**



2011 FRT M2, CUM, ISB, 220HP, ALLISON AUTOMATIC TRANS, AIR RIDE, SUSP, P/S, A/C, 234WB, 11X22.5 READY FOR A BODY, 258,868 MILES. **\$26,500**



2013 INTL TERRASTAR, CREW CAB, INTL MF7, 300HP, AUTOMATIC TRANS, SPRING SUSP, P/S, A/C, 203WB, NEW RUBBER, ALUM BUDDS, APPROX 16,000 ON A NEW ENGINE WITH PAPER WORK **\$22,500**



2013 ISUZU NQR, ISUZU 5.2 215HP AUTOMATIC TRANS, SPRING SUSP, P/S, A/C, 18' VANBODY LIFTGATE, 157,600 MILES **\$23,500**



2012 INTL 4300, CREW CAB, INTL MFDT, 230HP, ALLISON AUTOMATIC TRANS, SPRING SUSP, P/S, A/C, 4:63 RATIO, 24' FLATBED, 11X22.5 UNDER CDL, 107,755 MILES **\$49,500**

USMCA

FROM PAGE 2

Canada for chicken, turkey and eggs. The wheat industry will be more competitive in Canada when Canada terminates the wheat grading system.

The new agreement provides an outline to determine if something is a Geographical Indicator or a common name. GIs are a hurdle that has stopped the US and the EU from reaching a trade agreement in the past. The EU wants to protect their agriculture GIs. The US wants to protect the industry that began using those GIs as common names decades ago.

Sanitary and Phytosanitary Measures are in writing, strengthening science-based measures that protect human, animal, and plant health.

For the first time, the agreement

addresses agriculture biotechnology, like gene editing, to support innovation and reduce trade-distorting policies.

The zero tariffs from NAFTA will remain in place.

"This week's accomplishments on trade offer an encouraging start to 2020 for America's farmers and ranchers," said Farm Credit Council CEO Todd Van Hoose.

He said the movement of the trade deals last week will begin to restore and improve trade with significant and strategic partners.

House Agriculture Committee Ranking Member K. Michael Conaway, R-Texas, said President Donald Trump fought for better trade deals for US farmers and ranchers.

"With the full approval of Congress, we are one step closer to USMCA providing our farm families with expanded market access and additional certainty. This is the news rural America has been waiting for," he said.

USDA

FROM PAGE 1

"The removal of these massive trade barriers gives Chinese consumers access to the U.S. beef they desire, and it gives America's cattlemen and cattlewomen the opportunity to provide U.S. beef to a growing consumer-base," Houston said.

In a statement, National Farmers Union, NFU President Roger Johnson conveyed cautious optimism about the first phase of the agreement and pushed for stronger and more enforceable provisions in the second phase.

"After so many months of uncertainty and escalating tensions, it is a good sign that our two countries appear to have found common ground," he said.

He said he is hopeful that the deal will meaningfully address problematic trade practices, intellectual property theft and establish some stability for American farmers.

"But given the numerous deals that have been reached and then breached in the past two years, we are also skeptical... We are deeply concerned that all of this pain may not have been worth it," he said.

The trade war cost US farmers billions of dollars in sales to China, and it bruised the reputation of the US, making other trading partners reluctant to work with the farmers, Johnson said.

"To justify these lasting damages, this deal must deliver more than vague, unenforceable, short-term commitments," he said. The Trump administration needs to aim for real and lasting behavioral changes from China and the US farmers need reliable and robust export markets.

"The phase one agreement is great news for Hoosier farmers, since China is one of Indiana's top trading partners," said Randy Kron, Indiana Farm Bureau president. "Strengthening our relationships with trading partners from around the world will bring certainty to the market for many of our farm families and the agricultural industry as a whole. Indiana Farm Bureau remains optimistic and looks forward to the ongoing discussions with China."

Michelle Erickson-Jones, a 4th generation Montana wheat farmer, said the agreement makes some progress, but it doesn't end the tariffs, which will make American farmers increasingly reliant on Chinese state-controlled purchases without addressing the big structural changes the trade was predicted on achieving.

"The promises of lofty purchases are encouraging but farmers like me will believe it when we see it," she said. "In the months ahead, we will be closely scrutinizing the purchase promises in

this agreement. We will see whether Phase One takes steps to dig out from the hole the trade war created or whether like previous ag purchase promises it is all talk."

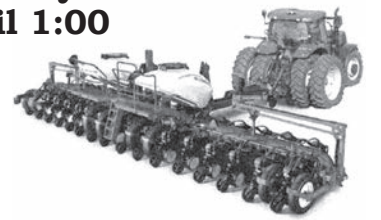
In the meantime, the administration should return to the negotiating table and reach an agreement that ends the trade war for good, she said.

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ISA is seeking soybean farmer leaders to join a 24-member farmer board that is responsible for annually investing Indiana soybean checkoff funds in biofuels, livestock, production and environment research, grain marketing, new uses and aquaculture programs.

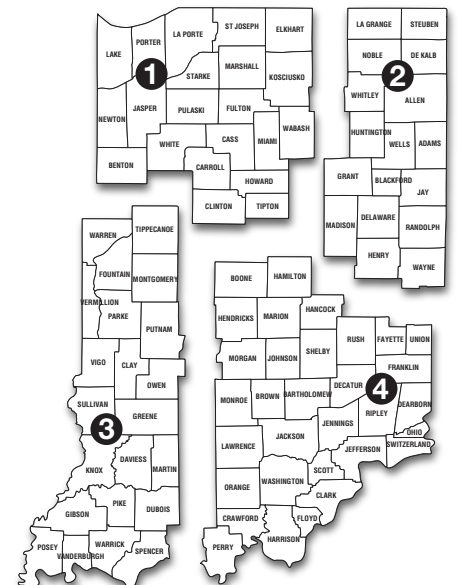
Elections will take place in all four districts. To be a candidate you must:

- Be engaged in the growing of soybeans in the last two years.
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- Fill out director expectation statement and return it to ISA. (**Director expectation statement must be returned by March 6, 2020.**)

To learn more about serving as an ISA Director, or to receive a director expectation statement, go to www.indianasoybean.com/elections or call the ISA office at 1.800.735.0195.

The election will be held June 2020. Election ballots will be distributed by mail in May.

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(A) 2017 MF 7714
140 HP, Dyna 4, 129 Hrs.
\$85,000



(A) 2014 MF 7622
215 HP, CVT, 32 MPH, 2002 Hrs.
\$99,500



(A) 2014 MF 7624
235 HP, 26 MPH, 858 Hrs.
\$89,500



(G) 2014 MF 7624
235 HP, CVT, 32 MPH, 808 Hrs.
\$115,000



(A) 2015 MF 8730
295 HP, CVT, 26 MPH, 1222 Hrs.
\$135,000



(A) 2016 Versatile 260
260 HP, PTO, 309 Hrs.
\$115,000



(A) 2018 Versatile 265
265 HP, 129 Hrs.
\$149,500



(G) 2015 Versatile 375
375 HP, PTO, PS, 893 Hrs.
\$155,000



(A) 2018 Versatile 460
460 HP, PS, PTO, 99 Hrs.
\$259,500



(A) 2019 Versatile 610DT
605 HP, PTO, 60 Hrs.
\$395,000



(G) 2003 JD 6115D
115 HP, Loader, 1565 Hrs.
\$49,500



(A) 1996 JD 8100
177 HP, 6953 Hrs.
\$47,500



(G) 1996 JD 8200
200 HP, 6880 Hrs.
\$59,500



(G) 2002 JD 7810
175 HP, 5255 Hrs.
\$59,500



(G) 2011 JD 8335R
335 HP, PS, PS, ILS, 3459 Hrs.
\$145,000



(A) 2009 Challenger MT565B
168 HP, 1806 Hrs.
\$55,000



(A) 2012 Challenger MT645D
270 HP, 32 MPH, 2148 Hrs.
\$89,500



(A) 2015 Challenger MT665E
320 HP, 32 MPH, 1415 Hrs.
\$135,000



(G) 2006 Challenger MT765B
320 HP, PTO, 3 Pt., 2150 Hrs.
\$109,500



(G) 2018 Fendt 1038
380 HP, 32 MPH, 688 Hrs.
\$295,000



(A) 2013 Gleaner S77
LTM, 1138/772 Hrs.
\$145,000



(A) 2014 Gleaner S78
LTM, 1339/871 Hrs.
\$165,000



(A) 2009 Case IH 6088
LTM, 2118/1459 Hrs.
\$99,500



(G) 2014 MF 9540
LTM, 1456/1008 Hrs.
\$165,000



(A) 2017 MF 9545
LTM, 739/491 Hrs.
\$265,000



(G) 2007 Kinze 3800SDS
24-30", No-Tills
\$49,500



(A) 2007 Case IH 1200
16-30" Residue Mgrs.
\$35,000



(A) 2008 Case IH 1250
16-30"
\$35,000



(A) 2009 White 8186
16-30"
\$35,000



(G) 2011 White 8824
24-30"
\$59,500

USED TRACTORS

(G) 2018 Fendt 1050, FWA, 500 HP, 250 Hrs.	\$ 355,000
(G) 2014 MF 8680, FWA, 350 HP, 32 MPH, 603 Hrs.	\$ 135,000
(A) 2012 MF 8660, FWA, 295 HP, 1507 Hrs.	\$ 105,000
(A) 2014 MF 8650, 270 HP, 1910 Hrs.	\$ 109,500
(A) 2013 MF 8650, FWA, 270 HP, 1065 Hrs.	\$ 109,500
(G) 2013 MF 7624, FWA, 235 HP, 32 MPH, 1938 Hrs.	\$ 99,500
(A) 2017 MF 7715, FWA, 150 HP, Dyna 6, 750 Hrs.	\$ 89,500
(A) 2015 MF 6615, FWA, 150 HP, 32 MPH, 1585 Hrs.	\$ 82,500
(A) 2017 MF 5712SL, FWA, 130 HP, Loader Ready, 529 Hrs. .	\$ 75,000
(A) 1997 MF 261, 2WD, 60 HP, 537 Hrs.	\$ 12,000
(A) 2017 NH T6.120, FWA, 118 HP, Loader, 370 Hrs.	\$ 69,500
(A) 2013 Versatile 310, FWA, 310 HP, 2212 Hrs.	\$ 89,500
(G) 2015 Versatile 260, FWA, 260 HP, 357 Hrs.	\$ 115,000
(A) 1990 NH Versatile 876, 4WD, 280 HP, 5070 Hrs.	\$ 39,500
(G) 1989 NH Versatile 846, 4WD, 230 HP, 5138 Hrs.	\$ 37,500
(G) 2013 JD 6115D, FWA, 115 HP, Loader, 1565 Hrs.	\$ 49,500

USED COMBINES

(A) 2016 MF 9545, LTM, 807/560 Hrs.	\$ 245,000
(A) 2014 MF 9560, LTM, 1517/990 Hrs.	\$ 165,000
(A) 2013 MF 9540, LTM, 1531/1041 Hrs.	\$ 145,000
(G) 2013 MF 9520, LTM, 705/467 Hrs.	\$ 135,000
(A) 2012 MF 9540, LTM, 1481/959 Hrs.	\$ 135,000
(G) 2012 MF 9520, LTM, 1341/1014 Hrs.	\$ 119,500
(A) 2011 MF 9695, LTM, 1714/1107 Hrs.	\$ 105,000
(A) 2009 MF 9795, LTM, RWA, 1952/1287 Hrs.	\$ 99,500
(A) 2008 MF 9690, LTM, 1825/1229 Hrs.	\$ 89,500
(A) 2016 Gleaner S97, LTM, 923/605 Hrs.	\$ 235,000
(A) 2014 Gleaner S78, LTM, 760/615 Hrs.	\$ 185,000
(G) 2010 Gleaner R66, LTM, 2220/1558 Hrs.	\$ 95,000
(A) 2008 Gleaner A85, LTM, 1918/1312 Hrs.	\$ 79,500
(A) 2007 Gleaner R65, LTM, RWA, 2355/1631 Hrs.	\$ 75,000
(A) 2006 Gleaner R65, 2324/1611 Hrs.	\$ 67,500
(A) 2003 Gleaner R65, LTM, 2883/1789 Hrs.	\$ 62,500



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“For God so loved the world, that he gave his only begotten son, that whosoever believeth in him should not perish, but have everlasting life.” John 3:16

VIEWS AND OPINIONS

Make meat cool again



HOOSIER AG TODAY
By Gary Truitt

The MO of entertainment award programs is to generate controversy, which is a deliberate approach aimed at raising public interest in events that might otherwise be rather obscure. These controversies are often political attacks, or outrageous clothing, or songs, or dance routines that stretch the boundaries of morals and good taste. For the Golden Globes this year, the obscure topic was meat.

The Hollywood Foreign Press Association, which hosts the annual event, made a big show out of serving a vegan meal to the crowd, a move organizers said was meant to "send a signal" about the impact of animal products on climate change. Vegan proponents have, in the past, focused on health effects and animal cruelty issues to justify their choice not to eat meat. Now, with climate being the big issue, they have switched their focus. This is not a stronger argument since the science behind the environmental impact of animal production is as flimsy and inconclusive as the dietary and animal welfare arguments. But the climate issue is trendy and is catching on in Tinsel Town, as the Critics' Choice Awards has also announced it will be serving plant-based foods at its gala.

The many vegan activists in the crowd were beside themselves with joy. Yet, all arrived at the event in big, gas guzzling limos that pumped more toxic gas into the environment than any cow flatulence would have done. The fact that no non-vegan alternatives were offered is an example of the intolerance for which Hollywood is known.

Research shows that 90 percent of American consumers are meat eaters. So why then are veganism and plant-based "meat" so trendy? When did eating meat stop being cool? One of my favorite television programs is Diners, Drive-ins and Dives. This series on the Food Network travels the country profiling small, local, eating establishments that all specialize in serving meat. They go into the kitchens and show gobs of butter, spices, cheese, and a host of other ingredients being combined with all kinds of meat to create some amazing dishes that are in high demand in the local area. This is real food being eaten by real people.

The celebrities we like to idolize do not eat in these places. Golden Globes host Ricky Gervais chided his fellow stars telling them, "You don't live in the real world." If they did, they might begin to understand that most people in the U.S. and around the world like and want to consume animal protein. If they would bother to look into how meat ends up on their plates, they would be amazed. The amount of science, technology, hard work, and incredible talent it takes to put a perfectly cooked steak, lamb chop, or chicken breast on their dinner plate or some bacon and eggs on their breakfast tray is incredible. Science, technology, hard work, and talent are not things you hear celebrities talking about these days, with the notable exception of Mike Rowe and Dave Ramsey. Meanwhile, in the real world, the people who watch the television shows and go to the movies, also get up every morning and go do hard work, many raising, processing, delivering, and cooking animal-based meat.

There was a time when the cowboy, the farmer, and the chef were revered in our society for their hard work,

(Hoosier Ag Today continued on page 8)



Brexit, Boris, and boxing in UK farmer

Events, like stars, can at times align just enough for you to glimpse your destiny. If you're lucky, that sneak peek is the critical break you need for success; if you're unlucky, the starry view spins off into the universe unseen.

Farmers in the United Kingdom (UK) got that peek after the June 2016 vote that approved Great Britain, Scotland, and Northern Ireland's exit—or Brexit—from the rule-heavy, bureaucratic European Union (EU). The glimpse wasn't exactly pretty but UK farmers, tired of EU rules and restrictions from Brussels, favored Brexit by a large majority.

Last December, that vote was reaffirmed by Prime Minister Boris Johnson's sweeping Conservative Party win in national elections. A week later, Parliament set Jan. 31 as Brexit's "leave date." It also gave Johnson wide latitude to negotiate bilateral trade deals with both the 28-nation—soon to be 27—EU bloc and the UK's closest ally, the United States.

Johnson announced he'd have trade treaties with both (claiming a U.S.-UK deal will lead the way) in place by Dec. 31. It was brash talk for the straw-haired wunderkind who rose from mayor of London to the toast of London in just three years. It was, however, exactly what UK farmers and manufacturers wanted to hear.

But talk, even in proper English, is cheap and Johnson's unrealistic timetable didn't address UK agriculture's two, key concerns: What will he do to ensure farmers aren't shut out of European markets—that gobble up 60 percent of current UK ag exports—while also protecting domestic markets against cheap food imports even as trade negotiations proceed?

UK farmers should be concerned, writes Joe

Stanley, a "third generation arable and beef farmer" in Leicestershire, in the Jan. 14 issue of Farmers Weekly, an authoritative UK farm publication.

"According to official statistics," he notes, "16 percent of farms made losses between 2014 and 2017. A quarter of farming households live below the poverty line, 61 percent of farm income derives from direct payments and 86 percent of total farm profits consist of CAP support."

Those last two points are buckets of cold water on what farmers now want Parliament to provide to stay even with their soon-to-be competitor neighbors who continue to float on the EU river of Common Agricultural Policy, or CAP, payments UK farmers are about to give up.

What will they do? What would you do if, like those farmers, 86 percent of your farm's total profit vanishes Jan. 31?

Facing that cliff, why exactly did UK farmers heavily favor Brexit?

Because, Stanley explains, those very same figures represent an unwelcome, crippling dependency: "... many farmers live a desperate existence, kept afloat only by the current level of support from the CAP."

And, under CAP, "The price we receive for a tonne of wheat hasn't changed since the 1980s, yet the percentage of disposable household income spent on food has fallen from 30 percent to 8 percent ... This is a terrific achievement—borne by the overdrafts of farmers."

As such, Stanley surmises, the real problem isn't the EU or its CAP; "(I)t's public demand for ever-cheaper food."

(Farm and Food continued on page 8)



FARM AND FOOD FILE
By Alan Guebert

FarmWorld

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Just thinkin' about plant-based milk

One of the subjects getting a lot of attention and discussion among dairy farmers and consumers is

BARBWIRE
 BY BARB LUMLEY

plant-based milk; however, those almonds come from trees, so shouldn't it be referred to as "tree-based" milk?

"plant-based" milk. It can be found in the dairy case right alongside the cow's milk. Many of the containers are very colorful and attention-getting. We are also seeing numerous appealing ads for these "fake milks" on television and in magazines. All of this has brought about one of my late night spells of just thinkin'. Let's talk about one of the most popular ones, almond milk. In order to become a contributor to the production of almond milk, the farmer must first plant almonds. The almonds then begin to grow as small trees. When the trees are mature, they will produce a crop of almonds. When the almonds are ready they will be harvested and trucked to a plant that makes almond milk. They will be placed in a machine with several parts that work together to crush the almonds. Water will be added and the mixture will be allowed to sit until the proper stage is achieved. It will then be strained to separate the liquid from the pulp. Then additives such as sea salt, starch, stabilizer, carrageenan (made from red seaweed), flavoring, spring water, calcium carbonate, tapioca and lecithin are often added to the liquid. When the desired product is achieved, it is packaged and sent to the grocery stores. Research is being done to find ways to incorporate almond byproducts into other industries. Almond milk is called

Now let's talk about the dairy farmer and his contribution to the production of milk. In order to produce his product, he must first plant seeds to grow alfalfa, rye, and other forages to harvest for hay or silage and corn for corn silage. These plants will come up and grow until they are ready for harvesting. He will also need a proper feed ration that will be made from various grains and ingredients that also come from seeds and plants. Great care is taken in selecting the various crops used. The forages and concentrates will then be fed into a mobile processing unit that has many working parts. Water will be added and the plant products will be chewed, swallowed, and then re-chewed and will work their way through the mobile processing unit, where they will be utilized in creating the product. Among the many parts in the mobile processing unit are four that are most important in the processing and finishing of the product. The product is then extracted using special machines for that purpose. The product is then strained and cooled and stored in large tanks where it will remain until picked up by huge tank trucks to be taken to the processor.

There is no need to put any additives in the dairy farmer's product, as it already contains calcium, protein, riboflavin, **(Barbwire continued on page 8)**



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Farm and Food

FROM PAGE 6

Exactly, but jumping out of CAP with no alternative in place is either a supreme act of faith or an extreme act of foolishness. Prime Minister Johnson has promised to step into the breach, Stanley wryly notes, with a new program to "end direct support for farmers, replacing it with as-yet-amorphous (but much reduced) 'public money for public goods.'"

Right now, however, Johnson's

promises are political fog. Worse, a trainload of trouble is headed his way. A Jan. 10 analysis by Bloomberg Economics shows Brexit has cost the UK economy \$170 billion already and, by year's end, that cost will rise to a staggering \$260 billion.

That means sometime in June, Brexit's opening costs to the UK will surpass its net, 47-year contribution—about \$230 billion—to the EU.

After that they're in uncharted space searching for stars to show them a way home.

Barbwire

FROM PAGE 7

and potassium. No need for flavoring, as it already tastes good. Waste products that are left from the mobile processing unit are all natural and are returned to fields and gardens to enrich the soil. The dairy farmer strives to keep his mobile processing unit in good working condition and turning out lots of the product. Milk is not only consumed by many people, it is used to make numerous

different dairy products - ice cream, cottage cheese, yogurt, butter and many kinds of cheese. The product begins with plants and plants are consumed by the mobile processing unit all through the process of making milk.

Everyone who knows me knows that I am good at expressing my opinion! Therefore, after thinking about these facts, it is my opinion that cow's milk and all dairy products made from it should be referred to as "plant based" and labeled as "plant based" in advertising. I rest my case!!

Hoosier Ag Today

FROM PAGE 6

skill, and talent. Sadly, those days are gone. The Golden Globe awards celebrate excellence in the industry of make believe. When we start to honor excellence by the men and women who make the real world go round as much as we do those who make comic book characters come to life on the big screen, then eating meat will be cool again.

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- Tar-River 6' rotary tiller, used very little \$1,500
- 2015 Bobcat S630 skid loader/78" bucket. \$28,500
- 1996 Gleaner R52 combine RWA 30.5x32 tires, 16.9x26 tires, feed reverser, Cummins eng., 2003 Gleaner 8000-20' flex grain head \$51,000 for both
- New Idea 486 (5x6) round baler, twine tie, field ready \$5,500
- Hesston 5545 round baler, 4x5 twine tie \$6,000
- Coming In - Sunflower 1436-29, 29' disk harrow w/hyd. adjust Fore & Aft, rear hitch \$28,000
- Coming In - Sunflower 5135-36 36' field cult. w/2 pc. S-tine shanks \$15,000
- Kory 250 bu. gravity box & 8 ton gear, roll tarp \$2,500
- Ford 2000 gas, 3 cyl., 1710 hrs., 14.9x24 rear, 6.00x16 front tires. \$3,500
- Westfield MK8061 auger, 8"x61' swing hopper auger, PTO drive, hyd. winch \$2,500
- Case IH 5500 Soybean Special drill 30', 15" rows, marker \$16,500

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- 1983 Gleaner F2 combine diesel, hydro, hyd. swing auger, 15' flex grain head, 4-30 corn head, header wagon, 23.1x26 tires. \$15,000
- Brillion 5 shank V-ripper (shear bolt) \$1,250
- 3 pt. hitch, 10 shank chisel plow, spring shank \$1,000



January USDA data gives little direction

USDA data gives little direction

The long-awaited January USDA reports have been released, and market reaction was somewhat muted given the pre-report hype. Corn production caught trade by surprise as production increased from November when a decrease had been expected. The average US corn yield is now estimated at 168 bushels per acre, 1 bushel more than the previous estimate. Even with a harvested acreage decline of 315,000 acres, this was enough to give the United States a 13.69 billion bu crop estimate, 30 million bu above the last projection.

As with corn, the USDA increased its soybean yield estimate to 47.4 bpa compared to 46.9 bpa in November. We did see a reduction to harvested acres of 626,000 which countered the higher yield per acre. This gave us a crop estimate of 3.56 bbu, up 10 mbu from November.

The corn complex did see some significant changes to usage. Feed demand increased a huge 250 mbu which was needed to offset the lower



MARKET ANALYSIS
By Karl Setzer

export forecast. Corn exports were reduced by 75 mbu and are now the least amount since the drought year of 2012/13. Changes to corn usage were enough to give us a 1.89 bbu carryout estimate, 20 mbu under the previous prediction.

No changes were made to soybean demand leaving ending stocks estimated at 475 mbu. Wheat ending stocks decreased a minimal 9 mbu to total 965 mbu.

Minimal changes were made to the world ending stocks estimates. Corn came out at 297.8 million metric tons, soybeans were 96.7 mmt, and wheat was 288 mmt. These were changes of 1.5 mmt less wheat, 2.76 mmt less corn, and 300,000 mt more soybeans.

Much of the attention in this release was on quarterly stocks where adjustments were made to the 2018 corn crop. The 2018/19 corn carryout number was revised from 2.11 bbu to 2.22 bbu as production was lowered but so was demand. As a result, the Sept. 1, 2019 stocks number increased as well. Even with this increase, corn stocks as of

December 1st were less than expected at 11.39 bbu compared to 11.94 bbu a year ago. Soybean inventory on Dec. 1 was slightly above estimates at 3.25 bbu, but a large 496,000 bu less than Dec. 1 of 2018. The US wheat inventory also came in lower than expected at 1.83 bbu compared to 2 bbu a year ago.

Following these reports, the USDA announced it will resurvey crops in the five states that had the most unharvested acres leading into the January WASDE report. The productions from these acres were counted as farm-stored grain with a yield that was comparable to fields that were already harvested. This generated doubt even before the reports were released as it is thought production will be less, especially if fields remain unharvested until spring. While the USDA has said they will resurvey these regions, it stopped short of claiming it would adjust production of ending stocks as a result.

The Brazilian firm CONAB has updated their official crop estimates, raising them for both corn and soybeans. CONAB now predicts a 122.2 million metric ton soybean crop for Brazil, 1.1 mmt higher than the December estimate. Their corn crop estimate is now 98.7 mmt, 300,000 mt more than the December estimate. The main reason the crop sizes were increased was the lack of confirmation on drought losses from recent conditions. Current crop estimates compare to last year's crop of 115 mmt on soybeans and 101.4 mmt on corn. This makes the second time Brazilian soybean production will top that of the US.

An interesting statement was made regarding Brazilian corn production. Historically, Brazil has produced two corn crops a year; the main crop and

the Safrinha crop, which is where most of the country's exports come from. Corn production is expanding though, and CONAB believes the country will now produce three crops a year, basically making them a perpetual corn supplier.

The real question with this scenario is how much corn Brazil will be able to export. Brazil is seeing its domestic corn demand rise from elevated ethanol and beef production. Even with last year's record corn crop, which was larger than this year's, Brazil over-extended its corn exports and now needs imports to satisfy demand. It is quite possible that even with elevated production, Brazil will become less of a corn exporter.

Even though the Phase 1 trade agreement has been signed there remain some doubts over actual business the US will see. The main reason for this doubt is that China continues to source soybeans from Brazil and was an active buyer of the commodity last week. Sources in China claim the country is already covered on its first quarter needs, which will allow them to wait for cheaper soybeans out of South America. The lack of confirmation on details contained in the Phase 1 deal is also concerning to trade.

This commentary is the sole opinion of Karl Setzer, Senior Commodity Risk Analyst for AgriVisor, LLC. This is intended for informational purposes only and not to be used for specific trading recommendations. The information used to generate this commentary is gathered from a variety of sources believed to be accurate. If you have any questions or would like additional market information, feel free to send an e-mail to kseltzer@agrivisor.com

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For Week Ending January 17, 2020

	Delivery Month	Friday's Last Close	Change		Delivery Month	Friday's Last Close	Change
Soybean	Jan 20	\$ 9.34	+ \$ 3.2	Soybean Oil	Jan 20	\$ 34.30	- \$ 0.51
	Mar 20	\$ 9.43	+ \$ 2.4		Mar 20	\$ 34.56	- \$ 0.53
	May 20	\$ 9.57	+ \$ 2.0		May 20	\$ 34.86	- \$ 0.50
	July 20	\$ 9.69	+ \$ 1.6		July 20	\$ 35.18	- \$ 0.49
	Aug 20	\$ 9.73	+ \$ 1.0		Aug 20	\$ 35.25	- \$ 0.46
Wheat	Mar 20	\$ 5.48	- \$ 6.0	Soybean Meal	Jan 20	\$ 298.3	+ \$ 2.2
	May 20	\$ 5.52	- \$ 5.6		Mar 20	\$ 303.9	+ \$ 2.7
	July 20	\$ 5.55	- \$ 5.6		May 20	\$ 307.7	+ \$ 2.5
	Sep 20	\$ 5.61	- \$ 6.0		July 20	\$ 311.5	+ \$ 2.4
	Dec 20	\$ 5.71	- \$ 5.0		Aug 20	\$ 312.9	+ \$ 2.5
Corn	Mar 20	\$ 3.87	- \$ 2.6	Cattle	Feb 20	\$126.65	+ \$ 1.82
	May 20	\$ 3.94	- \$ 2.4		Apr 20	\$127.50	+ \$ 1.28
	July 20	\$ 4.00	- \$ 2.4		Jun 20	\$119.12	+ \$ 1.20
	Sep 20	\$ 3.99	- \$ 2.2		Aug 20	\$116.90	+ \$ 1.18
	Dec 20	\$ 4.02	- \$ 2.0		Hogs	Feb 20	\$ 68.97
Oats	Mar 20	\$ 2.94	+ \$ 0.06	Apr 20		\$ 75.45	+ \$ 0.77
	May 20	\$ 2.86	- \$ 2.2	May 20		\$ 81.10	+ \$ 0.83
	July 20	\$ 2.81	- \$ 2.4	Jun 20		\$ 87.40	+ \$ 0.89
	Sep 20	-----	-----	July 20		\$ 87.70	+ \$ 0.89
	Dec 20	-----	-----				

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Missouri Weekly Hay Summary Week ending 1/17/2020

Farmers found themselves dealing with muddy nasty conditions after a warm up following heavy rains, flash flooding and snow last weekend. Another front expected over the next few days and a big dip in temperatures early next week should finally freeze the ground which many hope will last a while. Final year in production numbers were released late last week and confirmed what most of us knew. Missouri made a lot of hay last year! Ending 2019 stocks were higher than any state in nation up nearly 65% from the very difficult year of 2018. The supply of hay is moderate to heavy, demand is light to moderate and prices are steady. The Missouri Department of Agriculture has a hay directory available for both buyers and sellers. To be listed, or to view the directory visit <http://mda.mo.gov/abd/haydirectory/> for listings of hay <http://agebb.missouri.edu/haylist/> (All prices f.o.b. and per ton unless specified and on most recent reported sales.)

Supreme quality Alfalfa (RFV <185) 180.00-200.00
small squares 7.00-9.00 per bale
Premium quality Alfalfa (RFV 170-180) 160.00-180.00
Good quality Alfalfa (RFV 150-170) 120.00-160.00
small squares 5.00-7.00 per bale
Fair quality Alfalfa (RFV 130-150) 100.00-125.00
Good quality Mixed Grass hay 80.00-120.00

Small squares 6.00-8.00 per bale (some alfalfa/grass mix)
Fair to Good quality Mixed Grass hay 60.00-80.00
small squares 3.00-6.00 per bale
Fair quality Mixed Grass hay 35.00-50.00 per large round bale
25.00-40.00 per 4x5 round bale
Good quality Bromegrass 80.00-120.00
Fair to Good quality Bromegrass 50.00-80.00
Wheat hay 40.00-55.00 per large round bale
Wheat straw 3.00-6.00 per small square bale

Table 1: Alfalfa guidelines (for domestic livestock use and not more than 10% grass)

Quality	ADF	NDF	*RFV	**TDN-100%	**TDN-90%	CP
Supreme	<27	<34	>185	>62	>55.9	>22
Premium	27-29	34-36	170-185	60.5-62	54.5-55.9	20-22
Good	29-32	36-40	150-170	58-60	52.5-54.5	18-20
Fair	32-35	40-44	130-150	56-58	50.5-52.5	16-18
Utility	>35	>44	<130	<56	<50.5	<16

*RFV calculated using the Wis/Minn formula.
**TDN calculated using the western formula.
Quantitative factors are approximate, and many factors can affect

feeding value. Values based on 100 % dry matter (TDN showing both 100% & 90%). Guidelines are to be used with visual appearance and intent of sale (usage).

Table 2: Grass Hay guidelines

Quality	Crude Protein Percent
Premium	Over 13
Good	9-13
Fair	5-9
Low	Under 5

Quantitative factors are approximate, and many factors can affect feeding value. Values based on 100% dry matter. End usage may influence hay price or value more than testing results.

Hay Quality Designations physical descriptions:
Supreme: Very early maturity, pre bloom, soft fine stemmed, extra leafy. Factors indicative of very high nutritive content. Hay is excellent color and free of damage.
Premium: Early maturity, i.e., pre-bloom in legumes and pre head in grass hays, extra leafy and fine stemmed-factors indicative of a high nutritive content. Hay is green and

free of damage.

Good: Early to average maturity, i.e., early to mid-bloom in legumes and early head in grass hays, leafy, fine to medium stemmed, free of damage other than slight discoloration.

Fair: Late maturity, i.e., mid to late-bloom in legumes, head-in grass hays, moderate or below leaf content, and generally coarse stemmed. Hay may show light damage.

Utility: Hay in very late maturity, such as mature seed pods in legumes or mature head in grass hays, coarse stemmed. This category could include hay discounted due to excessive damage and heavy weed content or mold.

Source: MO Dept of Ag-USDA Market News Service, Jefferson City, MO
Tony Hancock, Market Reporter, 573-751-5618
24 Hour Recorded Report 1-573-522-9244
www.ams.usda.gov/mnreports/JC_GR310.txt

www.farmworldonline.com

Weekly National Sheep Summary For the Week Ending Friday, January 17, 2020

Weekly Trends: Compared to last week slaughter lambs mostly 10.00-20.00 lower, instances 30.00 lower on lambs over 80 lbs. Slaughter ewes mostly steady to 10.00 lower. No comparison on feeder lambs. At San Angelo, TX 7810 head sold. No sales in Equity Electronic Auction. In direct trading slaughter ewes and feeder lambs were not tested. 3900 head of negotiated sales of slaughter lambs were 4.00 higher. 2,927 lamb carcasses sold with all weights no trend due to confidentiality. All sheep sold per hundred weight (CWT) unless otherwise specified.

Slaughter Lambs: Choice and Prime 2-3 90-160 lbs:
San Angelo: woolled and shorn 120-145 lbs 142.00-156.00.
PA: woolled and shorn 100-135 lbs 215.00-265.00.
Ft. Collins, CO: woolled and shorn 115-130 lbs 169.00-183.00.
South Dakota: woolled and shorn 120-150 lbs 152.00-158.00.
Kalona, IA: woolled and shorn 100-140 lbs no test.
Billings, MT: no test.
Missouri: no test.
Equity Elec: no sales.

Slaughter Lambs: Choice and Prime 1-2:
San Angelo: hair lambs 40-60 lbs 234.00-260.00; 60-70 lbs 220.00-236.00, few 246.00; 70-80 lbs 210.00-228.00, few 236.00-258.00; 80-90 lbs 198.00-220.00; 90-110 lbs 176.00-198.00. woolled and shorn 55 lbs 238.00; 70-80 lbs 220.00-232.00; 86 lbs 210.00; 102 lbs 174.00.
Pennsylvania: woolled and shorn 50-60 lbs 255.00-262.00, few 320.00-335.00; 60-70 lbs 257.00-275.00; 70-80 lbs 240.00-265.00, few 280.00-315.00; 80-90 lbs 230.00-252.00, few 265.00-275.00. hair 50-60 lbs 270.00-275.00; 60-70 lbs 260.00-275.00, few 275.00-285.00; 70-80 lbs 240.00-260.00; 80-90 lbs 215.00-245.00.
Kalona, IA: woolled and shorn no test. hair no test.
Ft. Collins: woolled and shorn 70-80 lbs 192.50-225.00; 80-90 lbs 198.00-212.50; 90-100 lbs 177.00-197.50. hair 40-50 lbs 216.00-224.00; 60-70 lbs 204.00-211.00; 70-80 lbs 207.00-211.00; 87 lbs 192.00.
Missouri: no test.
South Dakota: woolled and shorn 80-90 lbs 165.00-177.50; 94 lbs 178.00.
Billings, MT: hair 54 lbs 202.00; 60-70 lbs 200.00-224.00; 75 lbs 208.00; 101 lbs 174.00.

Direct Trading: (lambs fob with 3-4 percent shrink or equivalent)
3900: Slaughter Lambs woolled and shorn 133-161 lbs 144.00-166.73 (wtg avg 155.19).

Slaughter Ewes:
San Angelo: Good 3-4 (very fleshy) no test; Good 2-3 (fleshy) 80.00-96.00; Utility and Good 1-3 (medium flesh) 92.00-112.00; Utility 1-2 (thin) 72.00-96.00; Cull and Utility 1-2 (very thin) 62.00-65.00; Cull 1 (extremely thin) 30.00.
Pennsylvania: Good 3-4 (very fleshy) no test; Good 2-3 (fleshy) 100.00-147.00; Utility 1-2 (thin) 115.00-125.00; Cull 1 no test.

Ft. Collins: Good 3-5 (very fleshy) 100.00-105.00; Good 2-3 (fleshy) 72.50-102.50; Utility 1-2 (thin) no test.

Billings, MT: Good 3-4 (very fleshy) 84.50-89.00; Good 2-3 (fleshy) 80.00-97.50; Utility 1-2 (thin) 81.00-98.00; Cull 1 79.00-80.00.

So Dakota: Good 3-4 (very fleshy) 70.00-87.50; Good 2-3 (fleshy) 76.00-84.00; Utility 1-2 (thin) 52.50-78.00; Cull 1 72.50.

Missouri: Good 2-3 no test; Utility and Good 1-3 no test.

Kalona: Good 3-4 (very fleshy) no test; Good 2-3 (fleshy) no test; Utility and Good 1-3 (medium flesh) no test.

Feeder Lambs: Medium and Large 1-2:
San Angelo: 50-60 lbs 220.00-228.00; 60-70 lbs 203.00-218.00; 70-80 lbs 172.00-188.00; 91 lbs 162.00. 73 lbs 187.00; 103 lbs 198.00; 118 lbs 173.00.
Ft. Collins: 50-60 lbs 215.00-223.00; 60-70 lbs 210.00-219.00; 70-80 lbs 199.50-219.00; 80-90 lbs 189.00-200.00; 90-100 lbs 191.00-194.00; 100-110 lbs 178.50-183.00; 110-120 lbs 161.50-179.00; 120-130 lbs 145.00-170.00.
Kalona: no test.
So. Dakota: 59 lbs 221.00; 68 lbs 216.00; 73 lbs 221.00; 107 lbs 170.00.
Missouri: no test.

Replacement Ewes: Medium and Large 1-2:
San Angelo: mixed age hair ewes 100-120 lbs 110.00-118.00 cwt.

Ft. Collins: no test.

Billings: ewe lambs 112 lbs 183.00 cwt; yearlings 152 lbs 113.00 cwt.

So Dakota: bred yearlings 150 lbs 190.00 cwt; bred middle age 135.00-175.00 per head, others 135-175 lbs 83.00-85.00 cwt; bred aged 165-175 lbs 130.00-180.00 cwt.

Kalona, IA: no test.

Missouri: no test.

National Weekly Lamb Carcass
Choice and Prime 1-4:

Weight	Head	Wt Avg
45 lbs down	Price not reported due to confidentiality	
45-55 lbs	Price not reported due to confidentiality	
55-65 lbs	Price not reported due to confidentiality	
65-75 lbs	Price not reported due to confidentiality	
75-85 lbs	Price not reported due to confidentiality	
85 lbs up	Price not reported due to confidentiality	

Sheep and lamb slaughter under federal inspection for the week to date totaled 38,000 compared with 37,000 last week and 36,000 last year.

Source: USDA Market News Service, San Angelo, Texas
Rebecca Sauder 325-653-1778
www.ams.usda.gov/mnreports/SA_LS850
www.ams.usda.gov/LSMarketNews

Estimated Daily Livestock Slaughter Under Federal Inspection

	Friday, January 17, 2020			
	CATTLE	CALVES	HOGS	SHEEP
Friday 01/17/2020 (est)	116,000	2,000	464,000	4,000
Week ago (est)	120,000	2,000	490,000	7,000
Year ago (act)	117,000	3,000	454,000	7,000
Week to date (est)	604,000	11,000	2,454,000	37,000
Same Period Last Week (est)	608,000	11,000	2,477,000	37,000
Same Period Last Year (act)	601,000	13,000	2,344,000	36,000
Saturday 01/18/2020 (est)	27,000	0	120,000	1,000
Week ago (est)	32,000	0	218,000	0
Year ago (act)	25,000	0	144,000	0
Week to date (est)	631,000	11,000	2,574,000	38,000
Same Period Last Week (est)	640,000	11,000	2,695,000	37,000
Same Period Last Year* (act)	626,000	12,000	2,488,000	36,000
2020 Year to Date	1,600,000	27,000	6,667,000	91,000
2019 *Year to Date	1,715,000	33,000	6,899,000	100,000
Percent change	-6.7%	-18.3%	-3.4%	-8.8%

2020 *Totals subject to revision
2019 *Totals adjusted to reflect NASS revisions
Yearly totals may not add due to rounding


Previous Day Estimated Thursday Steer and Heifer 95,000 Cow and Bull 27,000

Source: USDA Livestock, Poultry, and Grain Market News Division, St. Joseph, MO
816-676-7000 E-mail: stjoe.lpgmn@ams.usda.gov
www.ams.usda.gov/mnreports/SJ_LS710.txt
www.ams.usda.gov/market-news/livestock-poultry-grain

Regular Sale Every Tuesday

9:30 am Hay/Straw
11:00 am Springers, Dairy Cows, Breeder Bulls
12:00 pm Sheep, Goats, Hogs
Followed by Bull & Heifer Calves
2:00 pm Feeders
3:00 pm Butcher Bulls, Fats & Cows

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Midwinter Horse Pull & Stallion Presentation 2/15

Market Report 1/14* 475 Total Head Sold

DAIRY		SLAUGHTER	
Springers 28	Top of \$1300	Cows 149	Top of \$60 Overall avg (\$43.72 avg)
Dairy Cows 19	Top of \$1300	Top 10 \$56-\$60 (\$58.13 avg)	Top 25 \$53-\$60 (\$55.93 avg)
Heifer Calves 14	Top of \$ 11	Top 50 \$50-\$60 (\$53.58 avg)	Bottom 50 \$10-\$42 (\$31.99 avg)
Breeder Bulls 8	Top of \$1225	Mixed 58	Top of \$110
FEEDERS & DAIRY FEEDERS		Holsteins	Top of \$92
Dairy Feeders 27	Top of \$470	Bulls 12	Top of \$86
Feeder Cattle 23	Top of \$1.20/lb	Organic 21	Top of \$87.50
SHEEP/GOATS/HOGS		BULL CALVES	
Sheep 4	\$275	Bull Calves 80	\$1-\$.80 (\$.34 overall avg)
Goats 13	\$107.50-\$290/Head	Top 10 \$.65-\$.80/lb. (\$.69/lb. avg)	Top 25 \$.50-\$.80/lb. (\$.63/lb. avg)
Hogs 19	\$4-\$45	Top 50 \$.20-\$.80/lb. (\$.49/lb. avg)	
HAY & STRAW		 <p>Lot 98 \$9,400</p> <p>Consignment Deadline Feb 1st</p>	
Hay 49 loads \$75-\$290/ton		 <p>Indiana Haflinger Horse & Draft Pony Sale April 3rd & 4th, 2020 Consignment Deadline January 31st Contact: Glen Yoder (574) 646-3225</p>	

A Note from Rick: Well, we finally got a taste of winter weather last weekend and I actually think some colder, more consistent weather would be welcomed. These warmer temperatures and varying temperatures make it harder to keep livestock healthy. Markets on Tuesday were steady for the most part. Cows were \$2-\$3 higher, while slaughter cattle were unchanged. The calf market was steady as well as dairy cattle. We did have another big selection of hay this week. This market has seemed to level off as winter has gone along and more hay has come to market. The #1 quality 2nd or 3rd cutting hay ranges from \$220-\$300. #1 first cutting or coarse hay is ranging from \$140-\$200. #2 quality hay is from \$100-\$150. We haven't had much straw to sell, but what we've had has brought \$125-\$150 per ton. Things are starting to get busy in the Draft Horse Office as the consignments are rolling in for the Spring Sale. Consignment deadlines are fast approaching. We are excited about the sale schedule for 2020 and continuing to grow our markets here at Topeka Livestock. Stay warm and see you at TLA!

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Illinois ag director resigns amidst email scandal

BY TIM ALEXANDER
Illinois Correspondent

SPRINGFIELD, Ill. — Fallout from a 2012 email has led to the sudden resignation of Illinois Agriculture Director John Sullivan after a year on the job, sending ripples of shock throughout the state's farming community. Sullivan, a well-known farmer, auctioneer and former state senator from Rushville, submitted his resignation Jan. 14 at the request of Illinois Governor JB Pritzker. It followed the disclosure of a years-old email sent to then-Senator Sullivan that alluded to a "rape in Champaign" and ghost payroll practices.

Sullivan says he never read a 2012 email from lobbyist and ex-lawmaker Mike McClain to members of former governor Pat Quinn's staff, including Sullivan. In the email, McClain rallied support for Forrest Ashby, a state employee who was facing disciplinary measures but had "kept his mouth shut" about a rape and a payroll scandal. The email came to light after WBEZ, Chicago's National Public Radio station, exposed its contents earlier in January.

"The Governor holds all state employees to the highest ethical standards, and the Governor requested the Director's resignation because he is disturbed that then-Senator Sullivan became aware of the existence of the July 31, 2012 email contemporaneously, and did not handle it appropriately, including not alerting the inspector general or other authorities," stated Emily Bittner, deputy chief of staff for communications in the governor's office, in a prepared statement.

Sullivan defended his non-action regarding the email, telling his hometown newspaper, the Rushville Times, that he had not discovered the 2012

message until searching his email archives following the disclosure of its existence by media. "I was stunned. I immediately knew the optics and what it looked like," Sullivan said.

"I take full responsibility, and I'm not making excuses, but Mike McClain sends lots of emails, most of which I don't even pay attention to. I know in my heart that I did not read all of that email. If I had seen an email that talked about a rape in Champaign, I would have turned it over."

Sullivan, a Democrat and Pritzker appointee added that he was "stunned" and "disappointed" by the email's contents — and Pritzker's response to the scandal. "I understand that it looks really bad," he said. "I got the email, and I didn't do anything about it. I understand. However, I am disappointed in the statement the governor put out that makes it look like I did something criminal."

Sullivan does not deny that he was aware of the effort by McClain — who resided in Sullivan's 47th District constituency — to clear Ashby but maintains that he did not read, or perhaps only partially read, the 2012 email in question. "Had I read the email thoroughly, my reaction would have been disgust and I would have immediately notified proper authorities," he said.

The summer of 2012 was a stressful time for Sullivan, who was preparing for and undergoing cancer surgery at Johns Hopkins in Baltimore and vying for state senate re-election, he noted in his interview with the Times.

A thorough investigation into who was aware of the email, the "rape in Champaign," and alleged ghost payroll scheme is being urged by Illinois GOP Chairman Tim Schneider, among others. "If a random state legislator like

John Sullivan knew about McClain's email at the time, surely there were others who knew about it and also kept their mouths shut. It defies belief that John Sullivan knew of the email and its contents, but Speaker Mike Madigan, a close confidant of the email's author, knew nothing," the Republican state lawmaker said in a prepared statement.

Quinn reportedly maintains he knew nothing about the email and its contents. Madigan has also denied any prior knowledge of the email's existence. However, the Illinois State Police and Champaign County State's Attorney are proceeding with an investigation headed by the Office of the Executive Inspector General of the allegations within the email, according to Capitol News Illinois.

In announcing his departure, the governor's office praised Sullivan for his accomplishments during his year at the helm of the Illinois Department of

Agriculture, his public service career and willingness to serve the administration. "Director Sullivan put together an outstanding team at the Department of Agriculture, and as a result, the department's work thrived," noted Bittner. Jeremy Flynn, Sullivan's former chief of staff, was named interim agriculture director for the state. "The accomplishments over the last year are many and I know we will continue the mission of the department," Flynn said, in an all-staff email announcing his interim appointment.

Illinois Farm Bureau President Richard Guebert, Jr. called the news of Sullivan's departure "very unfortunate and shocking."

The 61 year-old Sullivan served the 47th Illinois Congressional District as state senator from 2003 to 2017, and has also worked in his family's auction business.

Borden

FROM PAGE 1

U.S. has been losing dairies since the 1980s and doesn't expect that to change.

The downward trend can be slowed, though, if small to mid-level producers can find efficiencies to compete on a national or regional scale, he said. He said growing demand for organic locally produced foods and home delivery of those products might be where opportunity in the marketplace lies most for many dairies.

He said the acquisition of Whole Foods by Amazon is exciting because of the potential it has for furthering the locally grown and home delivery markets.

Regardless, Goldsmith said milk

producers need figure out how to lower their cost of production to gain an edge with consumers bombarded with many other beverage and non-dairy food choices. "Producers need to think about what consumers are wanting and try to meet their demand," he said.


Doug Leman, executive director of Indiana Dairy Producers, said the price dairies receive for their milk just recently went up after a five-year down period. Leman said he's not sure where things are heading but expressed frustration over the struggles.

"We're just getting to where some of them are starting to break even. If the only way we can produce milk is below cost, guess what? People are going to love us when their milk has to come from some third world country or something like that or China," he said.



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Above: Canadian Pacific (CP) has announced it moved more of its country's grain and grain products during the 2018-2019 crop year than in any other year in its history, according to company officials (photos courtesy of Canadian Pacific).

Canadian Pacific hits record grain movement in 2018-2019 crop year

BY DOUG SCHMITZ
Iowa Correspondent

CALGARY, Alberta — Canadian Pacific (CP) has announced it moved more of its country's grain and grain products during the 2018-2019 crop year than in any other year in its history, according to company officials. "CP's record performance and focus on innovation supports the entire grain supply chain in moving increased volume," said Joan Hardy, CP vice president of sales and marketing, grain and fertilizers.

Over this past crop year, she said "the 13,000-strong CP family" was there to ensure even more Canadian grain and grain products moved to port for export, and to other destinations for processing.

"CP works closely with its customers to bring North American commodities to market safely, reliably and efficiently," she said. "Tight coordination across the supply chain enables maximum efficiency even during challenging winter months." The Calgary, Alberta-based company said the final tally for the crop year stands at 26.8 million metric tonnes (MMT) of Canadian grain and grain products.

The crop year, Aug. 1 to July 31, saw 2.8 percent more Canadian grain and grain products shipped from the prior record in the 2017-2018 season, and 3.9 percent more than the three-year average. In the past five years, CP has consistently shipped more grain each year.

In fact, the company said it broke several all-time records during the 2018-2019 crop year, including: A record May in 2019 for grain products, not including whole grains, both from a carload and a volume perspective. April 2019 achieved an all-time record month for Canadian grain and grain products, moving 2.643 MMT.

For the first time ever, three consecutive months (September through November 2018) recorded shipping of 15,000-plus carloads of western Canadian grain and grain products to the Port of Vancouver. In addition, CP moved approximately 660,000 MT of Canadian grain in its domestic intermodal service, for a grand total greater than 27.4 MMT.

The company added that its 8,500-foot High Efficiency Product (HEP) train model, announced last summer, continues to gain significant traction with CP customers. Construction is currently underway at five CP-served facilities in Canada, enabling producers to start shipping under the HEP train model this fall. These add to the seven existing CP-served 8,500-foot loop-track facilities. Four additional 8,500-foot HEP-qualified

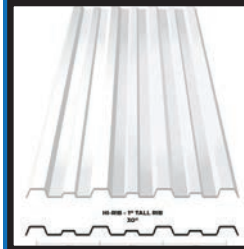
facilities will be operating by spring 2020.

Last June, CP announced plans to invest more than a half-billion dollars in 5,900 new high-capacity grain hopper cars, over four years, as part of the company's commitment to the agricultural sector.

On July 18, Paterson Grain's
(Canadian Pacific continued on page 14)

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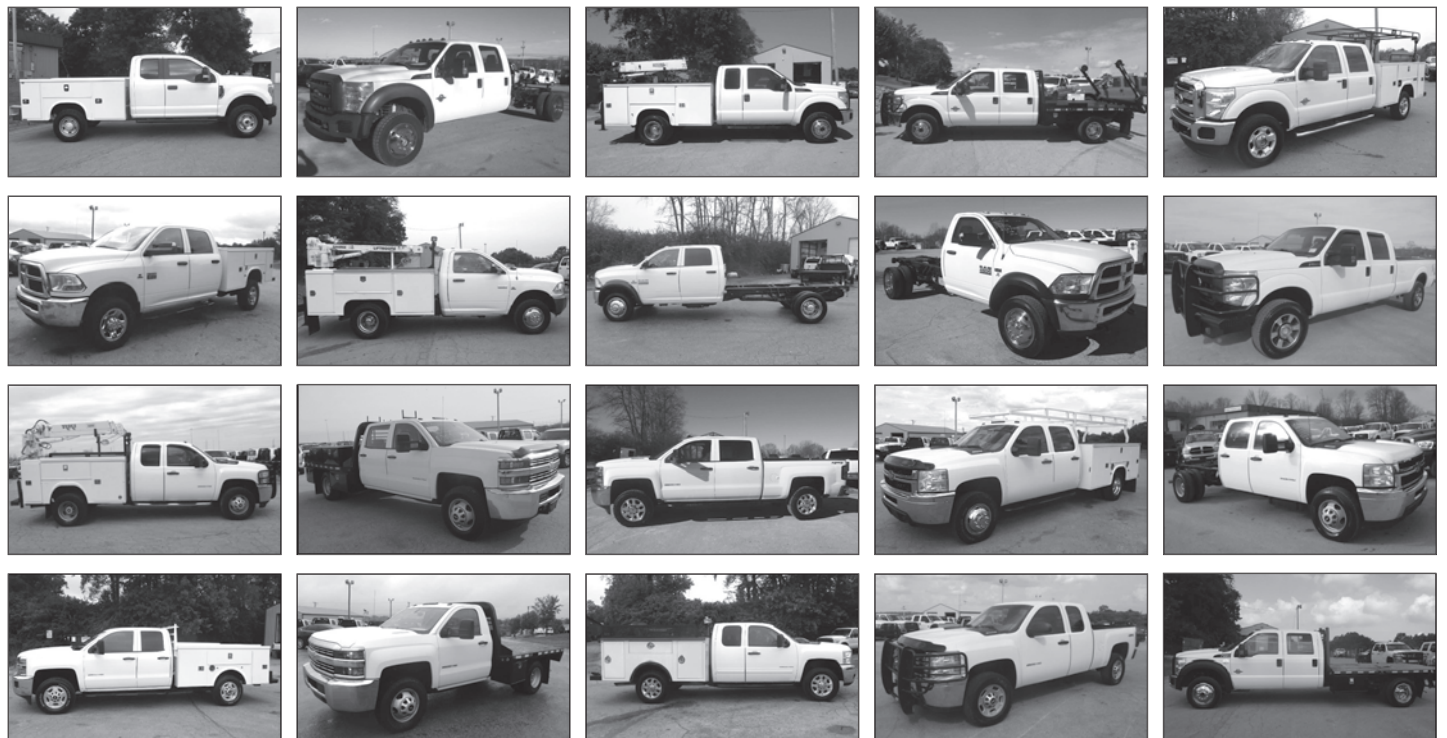
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Orig. \$63,905 - Farm World Price \$59,226



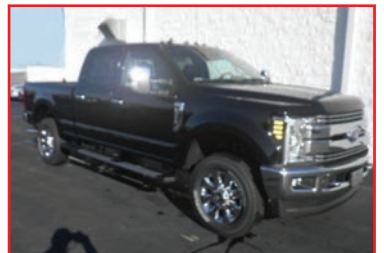
2019 Ford F150, XLT, Super Crew, 4WD, 3.5L V6, Auto, 10 Spd., Stk. #63453
Orig. \$53,560 - Farm World Price \$44,060



2019 Ford F150, STX, XL, Super Crew, 2WD, 2.7L V6, Auto, 10 Spd., Stk. #63629
Orig. \$40,950 - Farm World Price \$33,656



2019 Ford F350, Lariat, Crew Cab, 4WD, 6.7L PS V8, 6 Spd. Auto, Stk. #63726
Orig. \$74,970 - Farm World Price \$69,580



2018 Ford F250, SD, Crew Cab, SRW 8, 4WD, 6.2L V8, Flex Fuel, Auto, 6 Spd. Stk. #63359
Orig. \$62,400 - Farm World Price \$57,952



2019 Ford F150, STX, XL, Super Crew, 2WD, 2.7L V6, Auto, 10 Spd., Stk. #63690
Orig. \$41,145 - Farm World Price \$33,840



2019 Ford F150, XLT, 4WD, 3.5 L, V6, EcoBoost, Auto, 10 Spd., Stk. #63457
Orig. \$56,845 - Farm World Price \$44,592



2019 Ford F350, XLT, 4WD, Crew Cab, 6.2L V8, 6 Spd., Auto, Stk. #63313
Orig. \$55,835 - Farm World Price \$51,798



2020 Ford F250, Lariat, Crew Cab, 4WD, 6.7L V8, Auto, 10 Spd., Stk. #63795
Orig. \$69,830 - Farm World Price \$66,384



2019 Ford F150, XLT, 4WD, 2.7L V6, EcoBoost, Auto., 10 Spd., Stk. #63600
Orig. \$51,880 - Farm World Price \$40,103



2019 Ford F150 LTD, 4WD, 3.5L, V6, 10 Spd., Stk. #63454
Orig. \$74,180 - Farm World Price \$65,417



2019 Ford F150, Lariat, Super Crew, 4WD, 3.5L V6, Auto, 10 Spd., Stk. #63462
Orig. \$54,355 - Farm World Price \$49,605



2019 Ford F150, XL, 2WD, 3.3L V6, Auto, 6 Spd., Stk. #63672
Orig. \$31,805 - Farm World Price \$26,079



2019 Ford F150, XLT, 3.5L V6, 10 Spd., Auto, Stk. #63358
Orig. \$54,030 - Farm World Price \$41,899



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Canadian Pacific

FROM PAGE 12

Foothills Terminal in Bowden, Alberta, loaded the first Alberta-originated 8,500-foot HEP train comprised entirely of CP's new high-capacity hopper cars. The train carried more than 14,800 tonnes of grain to Vancouver for export.

Currently, CP has nearly 1,500 new high-capacity hopper cars in its fleet. "Our grain customers can expect to see more than 1,900 of these new cars in service before the end of 2019, enabling CP to transport more grain in each dedicated train," said Keith Creel, CP president and CEO. "By July 1, 2019 CP had 1,278 new high-capacity grain hopper cars in service." As a result, CP said shippers are able to load up to 10 percent more grain in these cars, compared to the older, less-efficient hopper cars they are replacing.

On July 31, Creel submitted its 2019-2020 Grain Services Outlook Report to Marc Garneau, minister of transport, as required under Section 151.01(1) of the Canada Transportation Act. "At CP, moving grain is in our DNA," Creel told Garneau in the report. "Grain is our largest line of business. We have been moving Canada's grain to market for more than 100 years. We are proud of this rich history and excited for the future."

Creel said the report provides an assessment of CP's ability to move grain during the upcoming 2019-20 crop year, taking into account the total volume of grain expected to be moved. Included in the report is also where CP will invest capital to support western Canadian grain movements.

"We expect our total 2019 system-wide capital expenditure to be approximately \$1.6 billion," he said. "This significant investment builds on our record 2018 capital program,



Above: On July 18, Paterson Grain's Foothills Terminal in Bowden, Alberta, Canada, loaded the first Alberta-originated 8,500-foot HEP train comprised entirely of CP's new high-capacity hopper cars. The train carried more than 14,800 tonnes of grain to Vancouver for export.

which was approximately \$1.6 billion."

CP is closely watching crop forecasts for its service area, and is in regular communication with customers and the broader grain supply chain. "We continue to make record investments in our network, hire more running trades employees to operate trains, and modernize locomotives to meet the needs of our customers and the North American economy," Hardy said. "CP has been moving grain for more than a century, and today more than ever, we are focused on driving the future of grain



Above: Joan Hardy, Canadian Pacific vice president of sales and marketing, grain and fertilizers, said the company continues to make record investments in its network, hire more running trades employees to operate trains, and modernize locomotives to meet the needs of its customers and the North American economy.

transportation for the benefit of the entire supply chain," she added.

Mike Steenhoek, executive director of the Soy Transportation Coalition, headquartered in Ankeny, Iowa, told Farm World CP currently serves 342 elevators: 175 in the United States and 167 in Canada. He said 68 percent of CP's grain movements are

Canadian grain. Thirty-two percent of CP's grain is U.S. grain, with 22 percent going to domestic markets, and 10 percent to the export market. The company said nine new high-throughput elevators are under construction and more than 40 elevators are planning expansions in its network.

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Outstanding Young Farmer Award

BY CELESTE BAUMGARTNER
Ohio Correspondent



Above: Five years ago Matt Vodraska started working on a plan to open an estate hard cider and wine operation. That takes up most of his time now. Vodraska was the 2019 winner of the Ohio Farm Bureau's Outstanding Young Farmer Award. Photo courtesy Ohio Farm Bureau.

DOYLESTOWN, Ohio — Matt Vodraska of Doylestown has been named the winner of Ohio Farm Bureau Federation's 2019 Outstanding Young Farmer Award. The contest is designed to help young farmers strengthen their business skills, develop marketing opportunities, and receive recognition for their accomplishments.

Vodraska and his family reestablished Rittman Orchards about 10 years ago, a fruit farm since the early 1920s that had fallen into disrepair. On 40 acres, they now grow more than 100 varieties of apples, plus peaches, plums, cherries, balconies raspberries, currants, and more.

"Five years ago I started executing a plan to open an estate hard cider and wine operation," Vodraska said. "That takes most of my hours in the day now."

The family started planting grapes almost 10 years ago. Out of 360 plus wineries in Ohio, they are one of only about 10 that grow their own grapes and apples for their wine. They had to present evidence that they were actually growing the fruit they use.

When they, Matt's parents Dale and Peg and his brother Chris, took over the orchard, they were near people that grew many varieties of fruits and heirloom apples, that is, anything that was cultivated before most folks had a refrigerator, Vodraska said. Those apples were not grown for fresh eating.

"They were mostly geared to hard cider and some processing," Vodraska said. "I had access to some of these great varieties; that got me started on that path to the winery and producing hard cider. Not a lot of places grow all their

own grapes, and no one grows their own apples for hard cider production in the state. Currently we only sell cider on draft, but we will begin to bottle this coming year under the label, "Bent Ladder."

With the award, Vodraska won 250 hours free use of an M-series tractor provided by Kubota, \$1,000 in Grainger merchandise sponsored by Farm Credit Mid-America and an expense-paid trip to the 2020 American Farm Bureau Federation Annual Convention in Austin, Texas, in January where he will participate in the national contest. He was pleased with the opportunity to make connections beyond Ohio.

"Farm Bureau has helped me connect farmers across the state," Vodraska said. "Going to Texas helps me to connect with a lot of farmers in other areas of the country, not necessarily doing the same thing I am, but helping get the conversations going and strengthening the agricultural community at large."



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Case IH 895 2WD, 2 valves
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John Deere 2750, cab w/heat & AC, 2 valves, 3700 hrs., very nice
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- Kubota BH92 backhoe w/thumb, very little use. \$7,500
- Kubota RTV-X1100 CRL-A, 800 hrs. camo, cab w/heat & AC. \$14,500
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CWI announced 2020 awards for dairy



MIELKE MARKET WEEKLY
By Lee Mielke

Cooperatives Working Together (CWT) announced its first awards of 2020 this week. Member cooperatives accepted 11 offers of export assistance from CWT that helped them capture sales contracts for 321,875 pounds of Cheddar and Monterey Jack cheese; 244,713 pounds of butter, 266,759 pounds of cream cheese, and 330,693 pounds of whole milk powder. The products will go to customers in Asia, Oceania, and South America through April and are the equivalent to 13 million pounds of milk on a milk fat basis.

The US Dairy Export Council (USDEC) and National Milk Producers Federation (NMPF) stated that the signing "makes important advances on nontariff issues harming US dairy trade. While promises of additional Chinese purchases of US agricultural products in the next two years are encouraging, the benefits for the dairy industry remain unclear. Given that China's retaliatory tariffs remain a significant impediment to US dairy sales in China, the USDEC and NMPF stress that work with China is not complete until the retaliatory tariffs against all US dairy exports are fully lifted."

Meanwhile, as I reported last week, the Agriculture Department lowered its milk production forecasts for 2019 and 2020 in its latest World Agricultural Supply and Demand Estimates report, based on slower expected growth in milk per cow.

2020 production and marketing were estimated at 222.0 and 221.0 billion pounds respectively, both down 400 million pounds. If realized, 2020 production would still be up 3.7 billion pounds or 1.7 percent from 2019.

The 2020 cheese, butter, and whey price forecasts were reduced on demand weakness and relatively high stocks. The nonfat dry milk price forecast was raised from December on continued strength in demand from export markets.

The forecast Class III and Class IV milk price averages were lowered

(Mielke continued on page 19)

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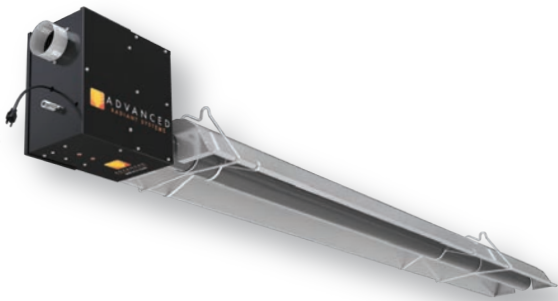
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SALE CALENDAR

The Sale Calendar lists dates, nearest town or location, owner, auctioneer and type of sale. The page numbers refer to ads in this week's paper. Listings without page numbers either had ads in previous issues, or will have ads in a future issue of Farm World. Auction listings are only made available to those who have placed a paid ad in Farm World. Ads will only be published two times in the Sale Calendar: The week of the actual auction and the week prior if the auction ad is received in time to include in the Sale Calendar.

JAN 22 HUNTINGTON, INDIANA: JOHN STAHLY — SULLIVAN AUCTIONEERS. Farm retirement auction. 10 am EST

JAN 23 DELAWARE COUNTY, INDIANA: RICHARD L. JOLLIFFE CREDIT TRUST — HALDERMAN REAL ESTATE. Real estate. 6:30 pm

JAN 23 SELMA, INDIANA: JOHN AND NANCY HUMBERT — WAGNER AUCTIONEERING & REAL ESTATE. Real estate. 5:30 pm SEE AD ON PAGE 14B

JAN 23 WINAMAC, INDIANA: DOUG & CHERYL PODELL — SCHRADER REAL ESTATE & AUCTION CO., INC. Real estate.. 6 pm EST

JAN 24 HUNTINGTON, INDIANA: CPM LEGACY, LLC — SULLIVAN AUCTIONEERS. Farm equipment. 11 am EST

JAN 24 APPLE CREEK, OHIO: CONSIGNMENT — NORTHEASTERN OHIO MACHINERY AUCTION. Farm machinery. 9 am

JAN 25 CLAYTON, INDIANA: CONSIGNMENT AUCTION — FREIJE AUCTIONEERS. 2340 W US Hwy 40. 1pm

JAN 25 CROWN POINT, INDIANA: CATTLE SALE — LINZ HERITAGE ANGUS. Selling 80 service age bulls. 2 pm CST

JAN 25 READING, MICHIGAN: WAYNE AND DOLORES COLLINS ESTATE — BRIAN HASTY AUCTION COMPANY. Farm equipment. 10 am

JAN 25 PARIS, MISSOURI: CONSIGNMENT — WHEELER AUCTION & REAL ESTATE. Farm equipment, trucks, trailer, more. 9 am

JAN 25 LEBANON, OHIO: HAY AUCTION — GENE STEINER. Warren County Fairgrounds Building E. 10am SEE AD ON PAGE 11B

JAN 27 THREE RIVERS, MICHIGAN: FRED W. NAGEL & SONS, INCL. — SCHRADER REAL ESTATE & AUCTION CO., INC. Farm equipment.. 10 am SEE AD ON PAGE 16B

JAN 28 CASS COUNTY, INDIANA: KASCH — HALDERMAN REAL ESTATE. Real estat.. 6:30 pm

JAN 28 VAN BUREN, INDIANA: LARRY & JUDI PATTISON — SULLIVAN AUCTIONEERS. Farm retirement auction.. 10 am EST

JAN 29 MASON CITY, ILLINOIS: KIESLING TRUST — SULLIVAN AUCTIONEERS. Real estate. 10 am

JAN 29 FT. RECOVERY, OHIO: WILLIAM MUHLENKAMP ESTATE — SIEFKER AUCTIONS. Real estate. 12 pm SEE AD ON PAGE 16B

JAN 30 CAMBRIDGE CITY, INDIANA: LUELLEN ESTATE — SCHRADER REAL ESATE & AUCTION CO., INC. Real estate. 1 pm

JAN 31 SPRING VALLEY, OHIO: MARVIN & MARLENE MOELLER — THE WENDT GROUP. Farm equipment.. 10:30 am

FEB 1 BROOKVILLE, INDIANA: VICTOR STENGER & VIRGINIA BUCK — WHITE'S AUCTIONS. Real estate. 10 am

FEB 1 SPENCER, INDIANA: OWEN CO. BOARD OF COMMISSIONERS — WILLIAMS AUCTIONEERING LLC. Trucks, road equipment. 10 am SEE AD ON PAGE 13B

FEB 1 MT. STERLING, KENTUCKY: CONSIGNMENT — CLAYS HOME WAREHOUSE. Farm machinery and other items. 9 am

FEB 3 LEESBURG, INDIANA: FARM EQUIPMENT AUCTION — POLK EQUIPMENT. Farm equipment. 9:30 am EST SEE AD ON PAGE 19B

FEB 3 MARSHALL COUNTY, INDIANA: ARLO M. SECRIST ESTATE — HALDERMAN REAL ESTATE. Real estate. 6:30 pm SEE AD ON PAGE 11B

FEB 3 GALENA, OHIO: BRAD & JULIE DEBOLT — THE WENDT GROUP. FARM EQUIPMENT. 10:30 am SEE AD ON PAGE 15B

FEB 4 MELVIN, ILLINOIS: ROGER & CAROLYN JOHANNSEN — SULLIVAN AUCTIONEERS. Farm equipment.. 10 am CST SEE AD ON PAGE 17B

FEB 4 MONTGOMERY COUNTY, INDIANA: RUNYAN - HOLLINGSWORTH FARM — HALDERMAN REAL ESTATE. Real estate.. 6:30 pm SEE AD ON PAGE 11B

FEB 4 NEW PARIS, INDIANA: CONSIGNMENT — POLK AUCTION. AG AND CONSTRUCTION EQUIPMENT. 8:30 am EST

FEB 4 MT. PLEASANT, IOWA: WIL-FARM, INC. — SULLIVAN AUCTIONEERS. Real estate. 10 am

FEB 4 OWENSBORO, KENTUCKY: RETIREMENT AUCTION — KURTZ AUCTION & REALTY. Farm machinery. 10 am SEE AD ON PAGE 18B

FEB 5 ANNAWAN, ILLINOIS: KEITH VANDEWOESTYNE — SULLIVAN AUCTIONEERS. Real estate. 5 pm

(Calendar continued on page 18)

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SALE CALENDAR

FEB 5 CHAMPAIGN, ILLINOIS: GLEN & ROSIE TRIMBLE — SULLIVAN AUCTIONEERS. Farm equipment. 10 am CST SEE AD ON PAGE 17B

FEB 5 FT. RECOVERY, OHIO: WILLIAM MUHLENKAMP ESTATE — SIEFKER AUCTIONS. Indiana farmland. 12 noon

FEB 5 NEWARK, OHIO: SCHELL BROTHERS — THE WENDT GROUP. FARM EQUIPMENT. 10:30 am SEE AD ON PAGE 15B

FEB 6 WHITESVILLE, KENTUCKY: RICHARD HAGAN — KURTZ AUCTION & REALTY. Tractors, combine, trucks, farm machinery. 10 am SEE AD ON PAGE 18B

FEB 6 DE GRAFF, OHIO: SAM AND CHRIS KINNEY — SCHRADER REAL ESTATE AND AUCTION CO., INC. Real estate. 6 pm

FEB 6 WAPAKONETA, OHIO: SUNRISE COOPERATIVE — THE WENDT GROUP. Real estate. 10 am SEE AD ON PAGE 14B

FEB 7 INDIANAPOLIS, INDIANA: LARGE PUBLIC AUCTION — TED EVERETT. 20 miles W of Indianapolis. 9am SEE AD ON PAGE 10B

FEB 7 CELINA, OHIO: WILLIAM MUHLENKAMP ESTATE — SIEFKER AUCTIONS. Farm equipment and machinery. 9 am SEE AD ON PAGE 18B

FEB 7 VICKERY, OHIO: SUTORIUS FARM — THE WENDT GROUP. FARM EQUIPMENT. 10:30 am SEE AD ON PAGE 14B

FEB 10 ROCKVILLE, INDIANA: SARAH WARNER FARM — JAY ALLEN AUCTION SERVICE. Real estate. 6 pm

FEB 12 BARTHOLOMEW COUNTY, INDIANA: M3 FARMS, LLC — HALDERMAN REAL ESTATE. Online only, real estate. 8 am

FEB 12 LIBERTY, INDIANA: MARJORIE R. FINCH TRUST — SCHRADER REAL ESTATE & AUCTION CO., INC. Real estate. 11 am SEE AD ON PAGE 13B

FEB 13 RICHMOND, INDIANA: JAMES R. QUIGG, JR. TRUST — SCHRADER REAL ESTATE & AUCTION CO., INC. Real estate. 11 am SEE AD ON PAGE 16B

FEB 15 MARKLEVILLE, INDIANA: WINTER CONSIGNMENT AUCTION — JEFF BOONE AUCTIONS. Farm and construction equipment, tools, other. 9 am EST SEE AD ON PAGE 17B

FEB 15 RUSHVILLE, INDIANA: ROLLING D. PEELE ESTATE — OWENS AUCTION SERVICE. Real estate and personal property. 12 noon SEE AD ON PAGE 12B

FEB 15 MARION, OHIO: MARION CO. CONSIGNMENT — BEN HIGGINS REALTY & AUCTION. Farm and construction equipment. 9 am

FEB 18 GREENSBURG, INDIANA: CAROUSEL ACRES, LLC — OWENS AUCTION SERVICE. Real estate. 6:30 pm

FEB 18 NEWTON COUNTY, INDIANA: BUSH - DOWELL TRUST — HALDERMAN REAL ESTATE. Real estate. 6:30 pm CST SEE AD ON PAGE 12B


FEB 19 TERRE HAUTE, INDIANA: REAL ESTATE AUCTION — JOHNNY SWALLS. 3300 US 41. 2pm

FEB 24 BOONE COUNTY, INDIANA: FRED - RICK FARM IND. — HALDERMAN REAL ESTATE. REAL ESTATE. 6:30 pm SEE AD ON PAGE 12B


FEB 25 GREENSBURG, INDIANA: THORNBURG FARM — HALDERMAN REAL ESTATE. Real estate. 6:30 pm SEE AD ON PAGE 16B

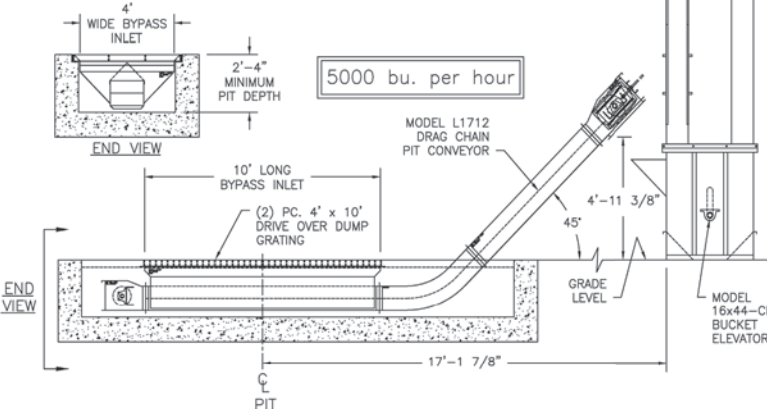
FEB 27 VERMILION COUNTY, ILLINOIS: WALTER R., SWIFT FAMILY TRUST — HALDERMAN REAL ESTATE. Real estate. 6:30 pm CST SEE AD ON PAGE 12B

FEB 27 ELWOOD, INDIANA: LAND AUCTION — SCHRADER AUCTION. 1306 South A St. 6pm SEE AD ON PAGE 13B



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Mielke

FROM PAGE 16

from the previous month. Look for the 2020 Class III average at around \$17.35 per hundredweight (cwt.), down 30 cents from what was projected in December, but tops the 2019 average by 39 cents and compares to \$14.61 in 2018.

The Class IV projection was lowered a nickel from last month's estimate, now put at \$16.90, and compares to the 2019 average of \$16.30 and \$14.23 in 2018.

The 2019 fat basis import forecast was unchanged from last month, but the 2020 import forecast was reduced on lower expected cheese and butterfat imports. The fat basis export forecast for 2019 and 2020 was raised on recent trade data and strong sales of cheese and other dairy-containing products.

Skim-solids basis 2019 and 2020 import forecasts were unchanged. Skim-solids basis export forecasts for 2019 and 2020 were raised on strong global demand for nonfat dry milk.

US dairy product commercial disappearance data shows total November cheese was down 0.4 percent from November 2018 and down 1.8 percent from October, though October was at a record high. Butter was down 8.6 percent from a year ago and only up 0.5 percent from October. Nonfat dry milk and skim milk disappearance was up a whopping 28.3 percent from a year ago and dry whey was off 4.6 percent.

FC Stone dairy broker Dave Kurzawski pointed out in the January 20 Dairy Radio Now broadcast that, on a milk equivalent basis we were down 2.4 percent. But he gave it some perspective, reporting that

2019 domestic disappearance of milk solids was up 2.8 percent year to date. On a 12 month rolling average of Nov. 2018 to Nov. 2019, it was up 3 percent, he said, and he called them "astronomical demand numbers," and "that's the story."

The November data was maybe a "glitch on the radar," perhaps driven by the rally in prices across the complex, with the exception of butter, he said. "Prices rallied in October so you probably had some people step away from it but does that really say anything about what's going on in demand?" He admitted there's troubling data on fluid milk but concluded; "The rest of demand is really strong."

History was made the week of Jan. 13 in the dairy market as a new block cheese futures contract was launched. Kurzawski said the contract could help dairy producers, perhaps more so for a select group, however the spirit behind the contract is to "Give confidence to hedgers that the tools they use at the Exchange will benefit them by managing risk and as that happens it will help grow markets overall and as markets grow overall dairy farmers will benefit."

Mid-January cash dairy prices remain mixed. The CME Cheddar blocks closed the third Friday of 2020 at \$1.9625 per pound, up 9.25 cents on the week, highest since Dec. 9, and 56.25 cents above a year ago. The barrels fell to \$1.4675 Tuesday, lowest since March 13, widening the spread to a second all-time high of 40.25 cents. But they rallied, closing Friday at \$1.5625, 4 cents higher on the week, 36.25 cents above a year ago, and 40 cents below the blocks. Only 2 cars of block traded on the week at the CME and 40 of barrel.

Football-Super Bowl cheese orders have kept demand healthy into

January and will support orders in the near term, predicted High Ground Dairy (HGD) in their 'Monday Morning Huddle.' But, they warned that "Milk production is plentiful across most areas of the country, pushing larger volumes into cheese plants who have resumed normal full week operating schedules post-holidays."

"While cheese production is strong, decent demand has mostly kept pace supporting an overall balanced market, preventing prices from declining further. Looking ahead, it is likely that demand will drop slightly lower on a normal, seasonal basis throughout first quarter, and there is potential for cheese markets to continue to move lower as milk output remains strong throughout the next several months."

Midwestern cheese makers tell Dairy Market News that, "In spite of confused markets, week to week sales are mostly steady if not slightly improved. It is prime time for mozzarella and provolone sales, with football playoffs prompting retailers to push cheese/pizza advertisements." Spot milk prices remain "solely discounted," however discounts are slighter and moving a bit closer to Class. Market tones are far from healthy, says DMN, citing the block to barrel price gap.

Western cheese makers report cheese is moving well. Demand is steady but there is plenty of milk to keep plants running near full capacity. Cheese inventories are not necessarily burdensome but some contacts say they are "heavy enough." With adequate stocks on hand and abundant milk supplies, contacts think a few manufacturers have shifted production to barrels from blocks, thus pressuring the cash barrel market.

Butter dropped a nickel Monday,

jumped 7 cents Tuesday to \$1.94, but closed Friday at \$1.88, down 4 cents on the week and 36 cents below a year ago, on 11 sales.

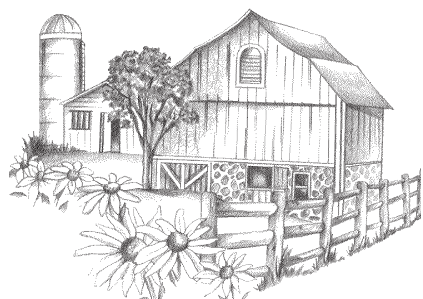
Butter churning continues in the Midwest and cream supplies remain plentiful, says DMN. There was a slight downward shift in cream availability but by no means are butter producers concerned about shortages in the near term. They expect at least two more weeks, or more, of easily-accessible cream. Butter sales are slower but meeting seasonal expectations following the holiday rush.

Western churns are also being actively used. Although cream prices are low and inducing some processors to make additional butter, a few of them have not seen low enough prices to commit to picking up more cream than needed. Expensive freight costs are also preventing some from taking advantage of lower cream prices in other areas. Butter retail orders are starting to come in. Several buyers are covering their 1st and 2nd quarters' needs. Inventories are available.

Grade A nonfat dry milk was steady until Wednesday when it gained a penny and closed Friday at \$1.29, up 1.75 cents on the week and the highest since October 23, 2014, and 26 cents above a year ago. 24 car exchanged hands on the week.

CME dry whey saw a Friday close at 36.75 cents per pound, up 2 cents but still 13.75 cents below a year ago, with 34 cars sold on the week at the CME.

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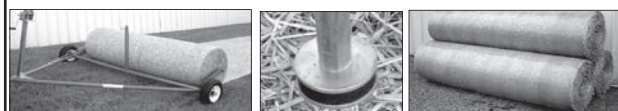
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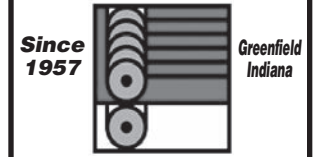
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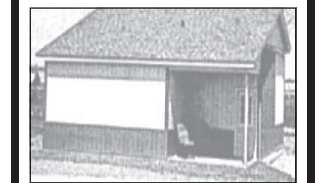
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1995 JD 750 no-till drill, 20' wide, 2 pt. hook up, 7.5" spacing, Dawn HD markers, has seed tube sensors w/monitor, \$16,900 obo. Call Scott 260-367-1895 Howe, IN.

1997 1770 JD planter, 16R, liquid, 2020 Precision monitor, w/ air bags, row cleaners, and new seed disc, \$29,000. 260-438-3892 Berne, IN.

1998 JD 7200 16R30 vac. w/JD computer trak 200 monitor, flex frame, cast closing wheels, seed firmers, dawn trash cleaners, updated meters w/double eliminators, tubular fertilizer w/ red ball and drag chains, good cond., \$14,500. 765-914-7255 Ridgeville, IN.

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Cox, Hodgen, Roesner, Miller and Ring re-elected to ICMC board

INDIANAPOLIS — All five Indiana Corn Marketing Council (ICMC) elections were unopposed. Earning re-election were Natasha Cox, Fowler; Paul Hodgen, Cloverdale; J.R. Roesner; Josh Miller, Anderson; and David Ring, Huntingburg. Each will serve three-year terms.

During a quarterly board meeting earlier this week, Miller was elected president of the ICMC. Miller is also a board member of the U.S. Grains Council, which develops export markets for U.S. barley, corn, sorghum and related products including distiller's dried grains with solubles and ethanol. Miller is an at-large representative on the board. He earned a bachelor's degree in Business Management and an MBA from Indiana Wesleyan University.

Joining Miller on the ICMC executive committee are Roesner as vice president, Jacob Walker of Waterloo as secretary, and Sarah Delbecq of Auburn as treasurer. Hodgen will lead the Demand Committee, and the Supply Committee will be led by Ring. Both Miller and Hodgen are graduates of Agrilnstitute, which is an Indiana agriculture leadership program.

Cox will return to represent District 1 in northwestern Indiana. She and her husband, Brent, farm corn and soybeans in Benton County near Fowler. Cox earned a bachelor's degree in agricultural economics from Purdue University in 2004. Although they began farming in 2004, Cox and her husband are also busy with off-farm careers. "I serve as a regional vice president for Farm Credit Mid America, and my husband serves as a retail salesman for Wilson Trailer Sales of Indiana," Cox added.

Hodgen represents District 4 in west-central Indiana. He grows corn and soybeans in rural Putnam County near Roachdale, Ind. The farm stretches from Putnam County and into Montgomery, Tippecanoe and Hendricks counties. Hodgen started farming in 2012 after working for Monsanto from 2008-2012. He earned a bachelor's degree in agronomy and a master's degree in soil science from Oklahoma State University. Hodgen earned a doctorate's degree in agronomy and soil fertility from the University of Nebraska.

Roesner represents District 7 in southwestern Indiana. He farms with his brothers, William and Eric Roesner, in Dubois, Pike, Spencer and Warrick counties. The partnership produces corn, soybeans and wheat. They farm near Ferdinand. Roesner earned a bachelor's degree in mechanical engineering from Purdue. Roesner also participated in programs with the National Corn Growers Association and the American Soybean Association. In addition, he completed the DuPont New Leaders program in 2014.

Ring is an at-large representative on the board. He raises corn, soybeans and wheat near Huntingburg, Ind. Ring began farming in 1963, and his farm stretches into Dubois, Spencer and Warrick counties in southern Indiana. Ring earned a bachelor's degree in business education from Oakland City University and a master's degree in economics from the University of Evansville. Ring is a past board member of the American Dairy Association of Indiana and an advisory board member for the Indiana State Department of Agriculture.

Illinois retains soy production crown

BY TIM ALEXANDER
Illinois Correspondent

BLOOMINGTON, Ill. — Despite historic production challenges, Illinois continues to top the annual crop production report estimate for soybean production, according to 2019 USDA estimates released on January 10.

The report showed Illinois soybean farmers raised 532.4 million bushels of soybeans in 2019 on 9.86 million harvested acres, with an average yield of 54 bushels per acre, while Iowa ranked second in production with 501.6 million bushels raised on 9.120 million acres.

"I won't say it was easy because 2019 will be remembered as the most challenging growing season on record for many Illinois producers," says Doug Schroeder, a soybean farmer from Mahomet and Illinois Soybean Association (ISA) chairman. "Yet, I think this report reflects the Illinois soybean industry's resiliency and ability to produce a consistent, high quality product year after year, despite the weather and economic challenges of 2019."

Despite leading the nation in soybean production and finishing second in corn production in 2019, production of Illinois'

two most valuable crops fell by around 20 percent compared to 2018. Farmers' 2019 harvest of over 1.8 billion bushels of corn represented an 18.6 percent loss from the 2.2 billion bushel Illinois corn harvest of 2018.

Nearly five months of wet and rainy conditions, along with flooding, came to an end in June of 2019, resulting in stunted growth of Illinois' two leading cash crops. "We had the latest-planted corn crop in my history of 30 years as an ag economist," Mike Doherty, senior economist at the Illinois Farm Bureau, told Capital News Illinois. "Just about every time these farmers were turning around, they were being hammered with the worst field conditions that they had seen."

Through it all, Illinois farmers somehow managed to harvest 97 percent of corn acres planted and 99 percent of soybean acres planted, the USDA report reflected.

A contributing factor to Illinois' soy success is the focus on generating worldwide soybean demand, according to ISA's marketing committee chairwoman. "One of ISA's key priorities is to create marketplace preference for Illinois soy in export markets, biodiesel, animal agriculture, and beyond," said Roberta Simpson-Dolbear, a soybean farmer from Nebo, Illinois. "In 2020, you will see continued

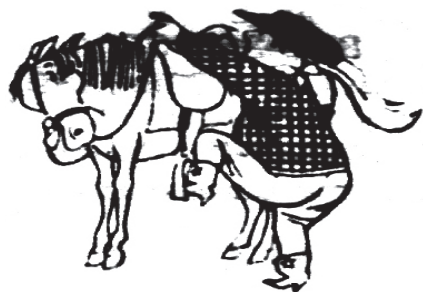
focus on nurturing existing markets and opening new. We hope to remain Illinois' number one ag export for years to come."

ISA Production and Outreach Committee chairman David Wessel and soybean farmer from Chandlerville, Ill., believes that ISA's commitment to robust farmer education efforts helps Illinois maintain its production edge.

"Continuing to educate on best practices and new industry innovations makes sure that Illinois growers have a partner in maximizing their yield potential and profitability per acre," said Wessel. "An example would be the award-winning ILSoyAdvisor platform funded by the checkoff that's chock full of actionable, in-season advice that is making a difference with Illinois soybean farmers."

Here is a summary of Illinois' losses in corn, soybean, hay, wheat and oat production, according to USDA final estimates for 2019:

- Corn: 1,846,000,000 bushels; 18.6 percent loss
- Soybeans: 532,440,000 bushels; 20.4 percent loss
- Hay: 1,140 tons; 12.91 percent drop
- Wheat: 36,850 bushels; 0.3 percent drop
- Oats: 650 bushels; 68.67 percent drop



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“Saving on taxes with legal entities and tax law changes”

Jeff will discuss how farmers can save on taxes by using an LLC or Corporation to minimize taxes. He will also talk about recent changes in tax laws from the 2018 Tax Cuts and Jobs Act that affect farmers. Jeff has been a practicing CPA since 1993 and speaks with a national tax education company teaching accountants how to stay current with ever-changing tax laws.



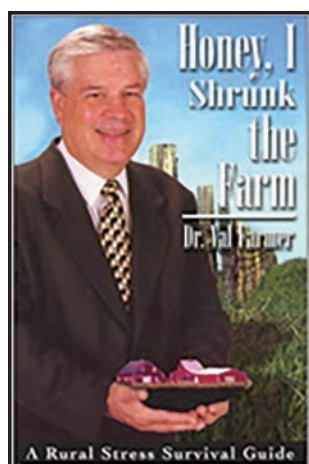
Todd Landrum, Ag Resource Management, Huntington, Indiana
“Crops and Crop Insurance: How to obtain operating money without pledging the farm”

Todd will discuss how to strengthen your farm operation via obtaining operating loans based off of crops and crop insurance, instead of pledging hard assets such as land and equipment.



Andy Junkin, Agricultural Strategy, Author, Des Moines, Iowa
“Strengthen your farm by working through family dynamics”

Andy is a national speaker and has written “bullet proof your farm”. He focuses on helping families navigate through the family dynamics of farming and helps farm families work through various issues.



Val Farmer, Mental Health Counselor, Author, National Speaker Saint Louis, Missouri
“Strengthening the farmer through mental health awareness”

Times are tough in farming. Val is a nationally recognized mental health expert that has spent decades helping farmers. He authored a national mental health column for decades and authored on the topic. He will discuss managing stress, the warning signs of mental health issues, and how to get help when needed



Susan McClish, Agri-File Solutions, LLC. Howe, Indiana
“Don’t leave government program money on the table”

ARC/PLC, Market Facilitation Program, Conservation incentives...the list goes on. There are numerous government programs that can be a resource for farmers. Sadly, many farmers are unaware of the programs they qualify for and to ensure they maintain eligibility. Susan will discuss how to identify what programs are best for your operation, how to maintain eligibility and other issues associated with government programs.



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Youth participation on the rise at the Ohio Beef Exposition

BY DOUG GRAVES
Ohio Correspondent

COLUMBUS, Ohio — Some claim that it couldn't get much bigger, but officials with 33rd Ohio Beef Expo (an annual event that attracts more than 30,000 participants and visitors at the Ohio Expo Center in Columbus, Ohio) say the show is expanding. The show is under the guidance of the Ohio Cattlemen's Association (OCA).

"We saw the expansion coming," said OCA Executive Director Elizabeth Harsh. "Last year we held the junior program in a covered, outdoor arena and we needed to move into something bigger to accommodate our growing junior event."

"The youth side of the show will have 850 head of cattle and 625 exhibitors."

Below: More than 30,000 are expected at this year's Ohio Beef Expo in Columbus. The show is in its 33rd season. (OCA photo)



The show as a whole will include well over 1,300 head of cattle. We see this event continue to grow and our trade show sells out each year."

The show will take place March 19-22 at the Ohio Expo Center in Columbus. The show includes a kick-off social, breed sales, shows and displays, beef quality assurance sessions, a multi-day trade show and a highly competitive junior show.

For the first time in Expo history, the Ohio Beef Expo will utilize the Taft Coliseum for the junior show, showmanship and judging contest.

"The Coliseum will provide a larger area for youth to exhibit and evaluate cattle and more seats for spectators," Harsh said.

The increase in youth participation can be attributed to OCA's BEST program. BEST (Beef Exhibitor Show Totals) is a youth program of the OCA that recognizes Ohio's junior beef exhibitors for participation and placings through a series of sanctioned cattle shows that include showmanship competitions.

Juniors who participate in these sanctioned shows earn points for their placings. Points are tabulated for cattle, showmanship, registered Bred & Owned animals and first or second year BEST participants in a separate Novice division for market animals, heifers and showmanship.



Above: More than 1,300 head of cattle will be shown at this year's Ohio Beef Expo in Columbus, Ohio next month. (OCA photo)

"We're seeing more kids getting involved with their animals, and that's driven by our BEST program," said Stephanie Sindel, OCA Director of Member Services and Youth Programs. "The Ohio Beef Expo is a BEST-sanctioned show and for the kids there's the experience of the Expo with its sales and trade show, and all the youth activities. There's a lot of enthusiasm through the BEST program, which has been around not for more than two decades."

The BEST program started in

1999 to promote youth education and leadership, recognize youth efforts in the beef industry, and provide a series of shows that have consistent and ethical regulations.

The program promotes consistency for exhibitors at sanctioned shows hosted by county associations or agricultural groups and clubs. The BEST program is coordinated by a committee that is appointed by the OCA board of directors.

(Expo continued on page 2B)

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Expo

FROM PAGE 1B

On Friday, March 20 a judging contest will begin at 7 a.m. The breed shows and parades will start at 9 a.m. while at 12:30 p.m., youth are invited to attend the Youth Beef Quality Assurance session. The online feeder cattle sale will be held at 2 p.m. Judging contest awards will be presented at 2:30 p.m. A welcome party for juniors will be held at 5:30 p.m.

On Saturday, March 21 the breed cattle sales will begin at 10 a.m. with Angus, Hereford, Maine-Anjou, Miniature Hereford, Red Angus, Shorthorn and Simmental cattle selling. The junior showmanship competition will start at noon.

On Sunday, March 22 junior exhibitors will begin showing at 8 a.m. in the Taft Coliseum. The show features over 140 vendors from 25 states, offering products and services for cattlemen.

For more information visit www.ohiobeefexpo.com.

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Using fear to promote meatless alternatives

Watching the National Championship football game a week ago was fun, but honestly, doesn't it feel like all of the college bowl games were about three months ago? Am I the only who feels like we've been in 2020 for about two months? Then I look at the calendar and this new decade is a mere three weeks old.



TRUTH IN THE TRENCHES
By Melissa Hart

Has it been good so far?

The new century comes with the same old tricks from the anti-animal ag community. Mandating that animal agriculture is the existential threat to the entire world because of the carbon footprint of a four-legged animal that can produce enough methane to power an entire community, yes, I can see how that would be a problem.

What I don't understand is this: if fear-mongering is the only way they can sell their propaganda, is it really something we all should be eager to buy?

All of us are guilty of fear-mongering. We tell our kids that if they wear their rubber boots in the house, they will go blind. Or if they cross their eyes, they will stay that way. Or if they eat cake before they go to bed, they will have nightmares. I mean, it's a natural tactic to manipulate people into action and an essential part of the Parenting 101.

As adults, fear shouldn't play a role in our everyday food choices and yet that's what is being sold to unknowing consumers. Genetically modified food is bad for everyone. If you drink

milk from a carton that doesn't say 'No added hormones' then we must be ingesting gallons of hormones. And if the chicken that produced the eggs doesn't have the option of hanging out in the wide-open range, then the eggs must be bad, the farmers are evil and the consumer is contributing to the plight of unhappy hens.

Whatever happened to common sense? How many consumers are telling electricians how to wire a home? And how many homeowners, when their home is flooded, are telling the plumber how to do his job? And I'm not sure about you, but I'm not about to tell an orthopedic surgeon how to replace a joint. But we are living in an age where telling agricultural experts how to produce the food and fiber for the world is perfectly natural and farmers better listen, or else.

Some of you are tired of telling your story, and I get it, you're busy, you're tired and honestly, you're fed up with the constant barrage of myth-tellers. You have the option of leaving it to the Gen X and the Millennial generations to do it for you on their social media outlets, but if you want assurance that your story will be told correctly, you had better familiarize yourself with how to create concise content in fifteen seconds or less.

As we head into 2020, we need to continue to spread the truth of agriculture. And part of that truth is that we live in a world of choices and we are free to fearlessly make them. And that alone is something we should never take for granted.



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(H) '12 JD 9560RT, Stock #48461, 2485 hrs., 30" tracks, 18F/6R PS, 5 remotes, HID lights, leather



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(H) '15 JD S650, Stock #111479, 567/357 hrs, 2WD, manual adjust tailboard, 21.5' unload auger, 3 spd trans electric shift & brake



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(B) '16 JD S660, Stock #48208, 642/422 hrs, 2WD, manual adjust tailboard, 22.5' unload auger, 3 spd trans electric shift



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(B) '16 JD S670, Stock #52225, 629/484 hrs, 2WD, powercast tailboard, 26' unload auger, pro drive transmission



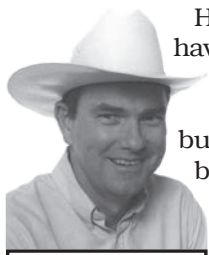
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When I was your age (best of)



It's THE PITTS
By Lee Pitts

Happiness today is having a large, caring and loving family... that lives far, far away, but it wasn't that way back when I was your age. Back then if my mother needed a place to send me after school it was to my grandparents' house, not to a daycare center. There was no such thing back when I was a kid.

If you looked up a person's name in our phone book it was a little confusing, for every last name there was a John, a Johnny and a Johnny Jr.; three generations living in the same neighborhood. A phone call to a 'distant' relative was not even "long distance" and you didn't need an appointment to stop by and visit an uncle, an aunt, a brother or a sister. Close relatives really were... sometimes, right next door.

Sundays were for beef roasts, penny poker, Uncle Charles' homemade ice cream and my mom's berry cobbler. The meal was always spiced with an assortment of family members from both sides of my family. Sometimes there were just as many people over on Monday to eat the leftovers. Christmas and Thanksgiving were mandatory family affairs, but so were birthdays and anniversaries.

Now days when a youngster wants to spend a week's vacation with his parents he probably has to be shipped off, boarding a plane with a name tag around his or her neck to visit a divorced parent in a city far away. The nuclear family has blown apart. It scares me to know that city kids have to join violent gangs to feel wanted, as if wearing the same color hoodie can replace the family feeling. When I was your age the only gangs I joined were Little League, Cub Scouts and the FFA. Family members filled the bleachers and bought the Girl Scout cookies.

That was when I was your age... but now I am my age and like the rest of the baby boom generation, I moved away from home. Just like the brother who left the farm or the sis who moved to the big city, I pulled up my own roots and left in search of fame and fortune. Most of us did. A person will do almost anything for money it seems.

Although I have a great wife, a nice home and a successful career I am at that stage in my life when I feel like I'm missing something. I miss my family. I think my whole generation does. I have a wonderful aunt and cousins I haven't seen in decades and, sadly, some I've never even met. We get Christmas cards from people I think are strangers, until I realize they are my very own kin folks. Once upon a time there were these things called family reunions but I've never actually been to one.

We have bigger homes and more cars than our parents and yet we are not as rich. A Navajo Indian once told me that you can't get rich if you have taken care of your family. And that's what worries me. Who will take care of my generation?

As the baby boomers get older it will be the parents who are the orphans. We cannot expect our good friend 'what's his name' to be our caretaker, he's got the same problem. And so we'll be cataloged in rest homes and forgotten in warehouses for the aged, unable to reminisce with nurses we never knew. It will be lonely out there... growing old and hating it. We have pursued the American dream with gusto but forgot to bring our families along for the trip.

I haven't been back home in years and find I miss the place. I'll go back someday, probably in a padded rectangular box to lie beside my grandpa and all my old school friends, acting as if I never left.

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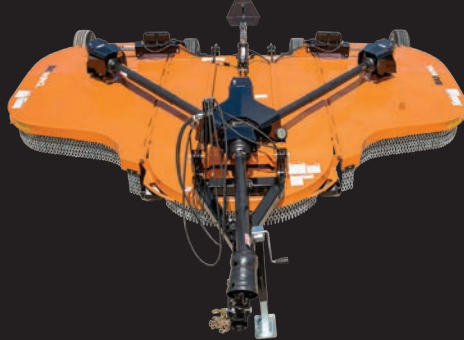
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Study: Leucine in DDGS stunting pig performance

BY TIM ALEXANDER
 Illinois Correspondent

URBANA, Ill. — Two decades after grain byproducts from ethanol production were introduced as a reliable feed substitute for corn and soybean meal, researchers at the University of Illinois are questioning whether the production process for distiller's dried grains with solubles (DDGS) is actually harmful to pig performance. According to a U of I-led study published in the *Journal of Animal Science*, recent changes in corn and sorghum processing for ethanol have resulted in compositional changes to DDGS including increases in leucine, an amino acid, leading to decreased protein synthesis and reduced feed intake.

"If you feed (pigs) diets high in corn or sorghum protein in the form of DDGS, you could easily get to 200 percent of the leucine requirement," according to Hans Stein, professor in the Department of Animal Sciences and the Division of Nutritional Sciences at the U of I, one of six authors of the study. "We are seeing more and more of these high-protein products in the market, so it's going to be something we have to deal with in the future."

Stein and his research team fed diets with varying levels of leucine to growing pigs over 15 days in order to determine why high amounts of the amino acid would lead to decreased protein synthesis and reduced feed intake. "We saw linear reductions in feed intake, gain-to-feed ratios and other measurements as leucine

increased. So clearly, excess leucine was detrimental to growth performance of the pigs, particularly when we got to 200 percent or more of the daily requirement," Stein reported.

The researchers theorize that pigs fed excess leucine do not eat enough because their brains are not producing the proper amount of serotonin, which controls appetite. Key to the production of serotonin is tryptophan, an amino acid precursor, which travels to the brain through membranes. Excess leucine may be swamping the membranes that transport tryptophan to the brain.

"We saw a reduction in serotonin in the brain as we increased leucine in the diet," said Stein, who believes that many pork producers who employ pig diets that deliver more than 200 percent of the daily leucine requirement may already be witnessing the effects. His research team is currently conducting follow-up studies to test amino acid supplements that might counteract the effects of a high-leucine diet.

"We have demonstrated the negative effects of excess leucine," Stein said. "Now we have to focus on finding out how we can keep this from reducing pig performance. We may have to add more valine, isoleucine and tryptophan to the diet."

The U of I study, *Excess dietary leucine in diets for growing pigs reduces growth performance, biological value of protein, protein retention and serotonin synthesis*, was not the first to examine the effects of excess leucine in DDGS on pigs. A 2018 study by the University of Minnesota Department of

(Leucine continued on page 6B)

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OBITUARY

**DONALD E. SAVILLE
1933-2019**

Donald E. Saville, age 86, of Greenfield, Indiana, passed peacefully on Thursday, December 26, 2019.

Born in Wayne Township, Clinton County, Ohio, on November 22, 1933, Don was the son of the late Emmett L. and Lorena Adams Saville.

Don was a graduate of Sabina High School, and went on to serve in the United States Army. He worked as a livestock farmer and was a member of the Pork Producers of Rush County. Don was also a Deacon at Raleigh Christian Church in Rushville.

He was preceded in death by his wife, Joan Hartley Saville.

He is survived by his children: Marcie (Jeff, deceased) McElfresh of Connersville, IN, Michael Saville of Kansas and Anita (Bill) Wilson of Rushville, IN. Also left to cherish his memory are grandchildren: Brittany Wilson and Thomas McDonald, Anisha Goda and Charlie Murray, Eric Wilson and Jarod (Shawn Patrick) Wilson; great-grandchildren: Trevor Hawkins, Alexis Freese and Chelsea Carpenter; along with sister-in-laws Virginia Saville and Sharon (Richard) Davis and many nieces and nephews.

In addition to his parents and wife, Don was preceded in death by one brother, Joe Saville.

Leucine

FROM PAGE 5B

Animal Science, led by Jerry Shurson, focused on compositional differences in DDGS used for animal feed from corn and soybean meal.

"DDGS...contains a 3.3 times greater concentration of leucine than soybean meal, and the high proportion of leucine relative to isoleucine and valine may result in a deficiency of isoleucine and valine when feeding pigs high-DDGS diets with reduced soybean meal content," Shurson found.

The dramatic rise in the use of DDGS in swine diets can be measured from 1998, when around 1.3 metric tons of DDGS was produced in the U.S. and just 52,000 tons were fed to swine, to 2018, when more than 37 mmt, of which more than 5 mmt were utilized for swine feed. Another 13 mmt were exported by U.S. ethanol producers,

primarily to Asia and Latin America.

"The dramatic increase in DDGS use in swine diets has occurred for three reasons: abundant supply in major U.S. pork production states, high nutritional economic value relative to corn and soybean meal, and extensive research demonstrating that DDGS can be successfully used at high diet inclusion rates (up to 30 percent) in all phases of production to achieve optimal performance," according to Shurson.

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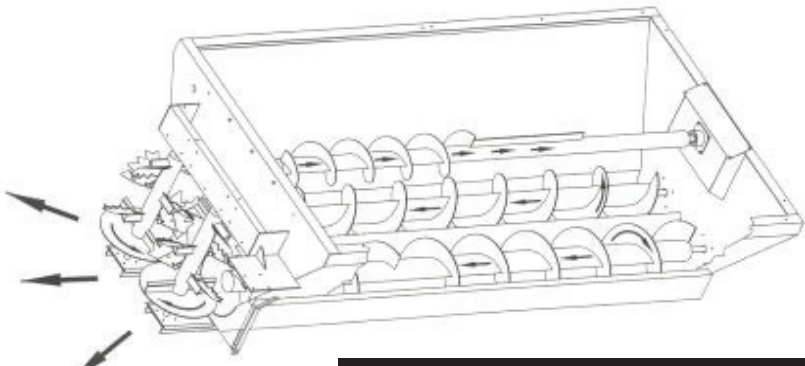
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Stoller, Miller and Burbrink ISA board

INDIANAPOLIS — The Indiana Soybean Alliance (ISA) welcomed a few new farmer leaders recently while several others earned re-election. The winners include: District 1, incumbent Nancy Cline and new board member Joseph Stoller; in District 3, incumbent Craig Williams and new board member Andrew Miller; and in District 4, incumbent Mike Koehne and new board member Kevin Burbrink. Incumbents Elaine Gillis and Matthew Chapman were unopposed and earned re-election in District 2.

District 1: Cline owns and operates Cline Farms, Inc. with her husband, Michael, in Tipton, Clinton, Hamilton and Howard counties. The Clines began farming in 1976 and grow soybeans and corn and raise pigs. Stoller operates J.R. Stoller Farms in Marshall and Elkhart counties. He grows soybeans and commercial corn seed. Stoller has been a full-time farmer since 2010.

District 2: Gillis has farmed with her husband, Craig, since 1999 on their operation that covers Blackford, Delaware and Jay counties. Gillis has served on the ISA board since 2013. Chapman produces soybeans, corn and wheat on Chapman Brothers farm in Henry County. A pork producer, as well, he started farming in 2004.

District 3: Williams grows soybeans, corn and a variety of vegetables, including melons, tomatoes and sweet corn, on his farm in rural Knox and Sullivan counties. He has been a full-time farmer since 1993. Miller grows soybeans and corn on his farm near Oaktown that spans Knox and Greene counties. Miller farms full-time, and has worked his land since 1996.

District 4: Koehne grows soybeans, corn and hay and raises cattle on his farm near Greensburg, Ind. in Decatur and Franklin counties. He has been

a full-time farmer since 1992, and also has a farm drainage business. Burbrink grows soybeans, corn and wheat on his farm near Seymour in Jackson County. He has also raised popcorn, tomatoes, green beans and cucumbers for pickles.

Last week, during the ISA's quarterly meeting, the directors elected David Rodibaugh of Rensselaer as the board's chair for 2020. Rodibaugh served as ISA vice chair in 2019. Rodibaugh grows soybeans and corn, plus he manages a farrow-to-finish hog farm in Jasper County. Joe Tuholski, who was the 2019 ISA chair, was elected as the new chair of the ISA Marketing and Communications Committee. Tuholski raises soybeans, corn, seed corn, alfalfa and wheat on his farm in LaPorte and St. Joseph counties near Mill Creek.

Other members on the ISA Executive Committee include Vice Chair Matt Chapman, Springport; Secretary Jim Douglas, Flat Roc.; Treasurer Denise Scarborough, LaCrosse; Membership and Policy Committee Chair Mike Koehne, Greensburg; and Grain Production and Utilization Committee Chair C.J. Chalfant, Hartford City.

In other news, the ISA board elected Phil Ramsey to fill a third seat on the American Soybean Association (ASA) Board of Directors. The ASA represents U.S. soybean farmers on domestic and international policy issues important to the soybean industry. ASA has 26 state associations representing 30 soybean-producing states and more than 300,000 soybean farmers. Ramsey of Shelbyville accepted the post. He joins Kendell Culp of Rensselaer and Joe Steinkamp of Evansville on the ASA board. Ramsey grows soybeans, corn and wheat on his farm in Shelby, Rush and Hancock counties.

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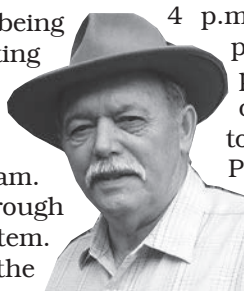


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SPAULDING OUTDOORS
By Jack Spaulding

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You may donate all or a portion of your state tax refund to the Nongame Wildlife Fund by marking the appropriate boxes on your 2019 Indiana tax forms or when filing electronically. To donate, enter Indiana Nongame Wildlife Fund, 200 for its 3-digit code number, and the donation amount on Line 1 of the Schedule 5/ Schedule IN-DONATE form. Then add the donation amount to Line 17 on the main IT-40 form. A video of this process is at https://youtu.be/EMz_97x_SuM.

Direct donations can also be made anytime online at on.IN.gov/nongamewildlifefund or by mail to: Nongame Wildlife Fund; 402 West Washington Street, Room W273; Indianapolis, IN 46204.

Habitat management and conservation efforts for nongame and endangered wildlife are supported through the generosity of Hoosiers and supplemental grants from the federal government. For every \$5 donation to the Nongame Wildlife Fund, Indiana is eligible to receive an additional \$9 in federal funds. Recent projects have included research on endangered turtles, an outreach campaign to conserve whooping cranes, and surveys of summer bat populations on state fish & wildlife areas (FWAs). Complete program details are at wildlife.IN.gov/2356.htm.

2nd Annual Bald Eagle Driving Tour

The self-guided tour runs from 2:00 to 4:00pm and will have six outdoor shoreline stops, each staffed by experienced bird watchers. Birders will assist attendees in viewing eagles and other birds through spotting scopes. Tour attendees can get an up-close look at a bald eagle and several other raptors at a bonus indoor tour stop featuring live education birds from Hardy Lake. A warming center will be available for tour attendees from 1 to 4 p.m. with complimentary hot cocoa and tea, cookies, and crafts for kids.

Advance registration is \$5 for adults (\$3 for children) and is available through Jan. 23 (M-F, 8 to

4 p.m., and closed holidays) by phone, 812-837-9546, or in person at the Monroe lake office. Registrants will need to check-in in front of the Paynetown Activity Center on Jan. 26 between 1 to 3 p.m. to pick up their event buttons and tour maps. Walk-up registration is \$7 for adults (\$4 for children) and will be available on Jan. 26 from 1 to 3 p.m. in front of the Paynetown Activity Center, cash or check only.

Bluebird Box Workshop

You can help bluebirds leap into the new breeding season on Leap Day, Feb. 29, at a Patoka Lake workshop event by building a bluebird nesting box for our migrating guests.

During the workshop, you will also discover how to attract bluebirds to your backyard and keep them thriving in your area.

The workshop will take place at the Patoka Lake Nature Center, starting at 10 a.m. All supplies and tools will be provided. Nest box kits are \$15 each.

Advance registration is required. Space is limited to 20 participants. Call the Nature Center at 812-685-2447 to register.

Patoka Lake (on.IN.gov/patokalake) is located at 3084 N. Dillard Road, Birdseye, IN 47513.

Salamonie Lake Hosts Two Eagle Watches

Salamonie Lake is giving people a chance to see bald eagles in the wild with its two eagle watches on Feb. 8 and 15.

Participants will meet at Salamonie Interpretive Center at 3 p.m. on both days, listen to a brief overview of Indiana's bald eagles, and then caravan to the largest documented bald eagle roost in Indiana.

Participants should dress for the weather; bring binoculars, cameras and spotting scopes. Shared visual aid will also be available onsite. There will be some walking on a paved road. Individuals who need accessible parking should request it upon registration. Participants may choose to leave the site at any time.

Participants will be able to warm up with hot food and drink items available for freewill donation at the roost site through the Friends of Upper Wabash Interpretive Services.

For the safety of all citizens, Frances Slocum Road between S.R. 124 and County Road 550 E., Miami County, will be closed for this event.

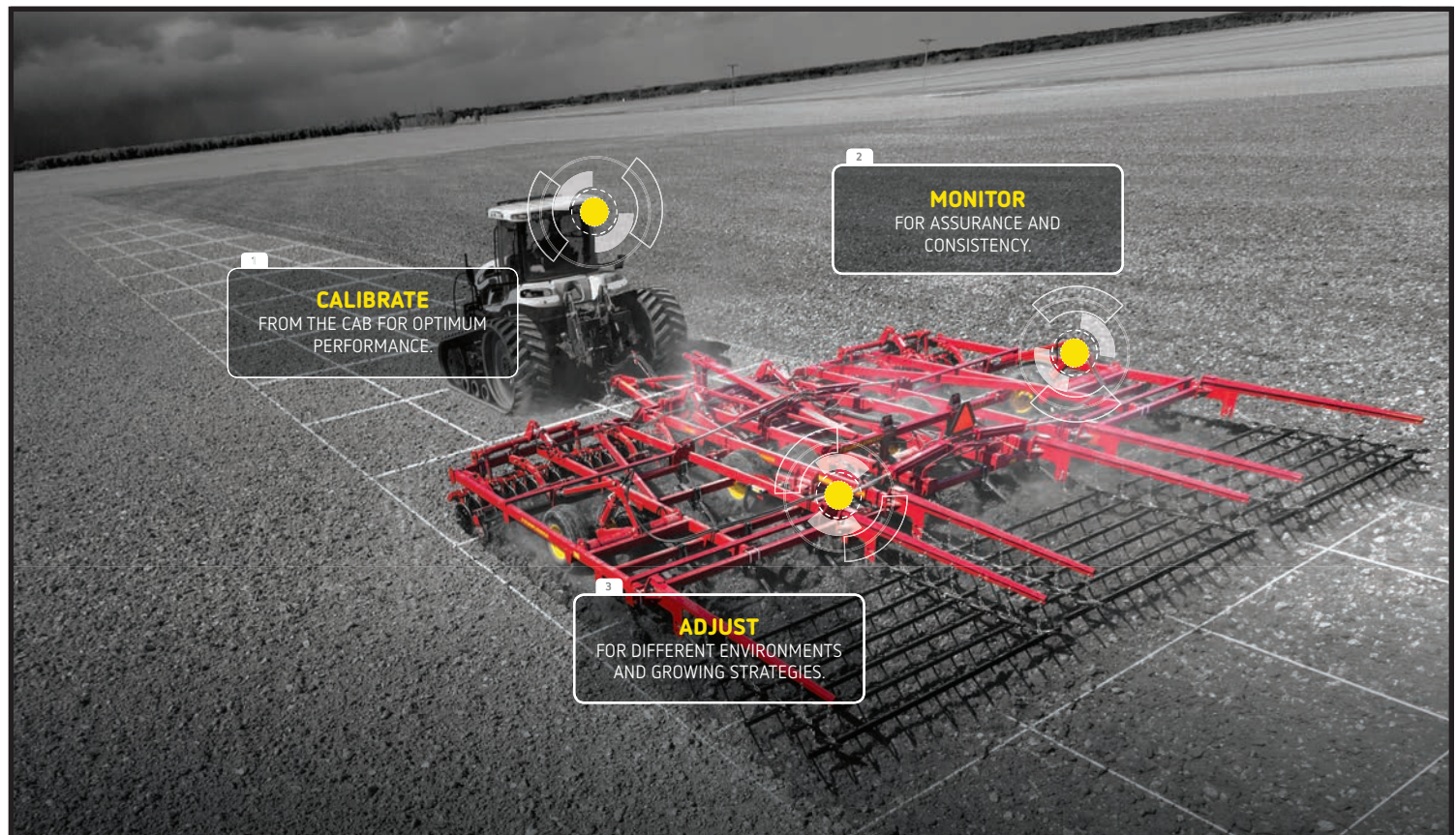
For more information and to register, call 260-468-2127. The Upper Wabash Interpretive Services (dnr.IN.gov/uwis) is located at 3691 S. New Holland Road, Andrews, Indiana 46702.

Jack

Readers can contact the author by writing to this publication, or e-mail at jackspaulding@hughes.net.

Jack's first book, The Best of Spaulding Outdoors, a compilation of his favorite articles over 30 years is now available as a Kindle download or as a 250 page paperback from Amazon.com.

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Bacon Bar and Brunch event at the Indiana Statehouse

INDIANAPOLIS — For a second consecutive year, the Indiana Corn Growers Association (ICGA) and the Indiana Soybean Alliance Membership and Policy Committee (M&P) will feature the smoky smell of bacon to bring together lawmakers and farmers for its annual legislative breakfast from 7:30 to 9:30 a.m. on Wednesday, Jan. 29 at the Indiana Statehouse.

Dubbed the Bacon Bar and Brunch at the Statehouse, the event will offer several varieties of bacon for free to those who attend. Because soybeans and corn are primary food sources for Indiana livestock, the bacon symbolizes the economic relationship

between Indiana's livestock producers and the state's corn and soybean farmers.

"Many of us still own a diversified farm that features both row crops and livestock," said ICGA President Mike Beard, who raises hogs along with corn and soybeans on his farm near Frankfort. "Livestock is the No. 1 customer for Indiana corn and soybeans. What is good for livestock producers is also good for soybean and corn growers."

Last year's Bacon Bar and Brunch connected more than 200 farmers, stakeholders, representatives and senators to have valuable, one-on-one

discussions about agricultural policy issues. Lt. Gov. Suzanne Crouch also attended—and enjoyed the bacon. This year's event holds similar expectations. With each new year, though, a new set of potential laws and regulations grab the attention of ICGA and M&P staff. This session's concerns include:

- SB 184 – Nonprofit Agricultural Organization Coverage
- HB 1119 – Regulation of Pesticide Use and Application
- SB 99 – Study Committee on Invasive Species
- HB 1039 and SB 217 – Inspection of Petroleum Products

"This is just a brief sampling of the

types of issues we will discuss with lawmakers during the breakfast," said M&P Chair Mike Koehne, who grows soybeans and corn on his farm near Greensburg, Ind. "As the number of farmers continues to decline, it has become even more important for us to speak about the issues that affect our farms. We, as farmers, have more knowledge of these issues than anyone else. It is our responsibility to take care of our livelihood for generations of farmers to come."

The event is free, but registration is recommended. Visit www.indianasoybean.com/bacon to register.

Call Michele At: 1-800-876-5133, Ext. 122
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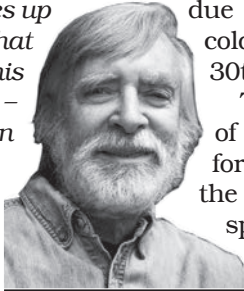
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2-20

Plan ahead and fertilize while the weather is still cold

And then with the thaw comes up the sudden rush of growth that waited only on this hour. On this disclosure of the life beneath. - Vita Sackville-West, *The Garden*



POOR WILL'S ALMANACK
By Bill Felker

The Third Week of Deep Winter Astronomical Data and Lore

The Pussy Willow Cracking Moon wanes throughout the week, becoming the new Lambing and Kidding Moon at 1:45 a.m. on Jan. 24. This moon, which presides over the period during which most ewes and does give birth, rises in the morning and sets in the afternoon or evening, passing overhead in the middle of the day. It stimulates creatures to be hungrier and more active at that time, especially as the January thaw precedes the cold front

due around Jan. 25 and the last cold front of the month near the 30th.

The Sun enters its sign of Aquarius on the 20th, foreshadowing late winter. And the day's length is approaching a spring-like ten hours along the 40th Parallel.

Weather Trends

After the January thaw, the likelihood of crueller conditions increases briefly, sometimes making the 25th and 26th some of the coldest days of the month. January 26 is also the first day of the season of late winter. Late winter contains five to six cold fronts and lasts from today through February 18.

Although the 31st can bring subfreezing temperatures 40 percent of the time, that day introduces the possibility of a high in the 60s for the first time since Jan. 7. Between the 26th and 28th, dry conditions prevail 75 percent of the years, and the 27th is the usually sunniest day in January, bringing an 80 percent chance for clear to partly cloudy skies. The 30th is the cloudiest day in the second half of January, with a 70 percent chance for overcast conditions and precipitation,

The Countdown to Spring

One week until the skunk cabbage blooms in the wetlands

One and a half weeks until cardinals start to sing before dawn. Flies and cabbage butterflies sometimes hatch on indoor plants.

Two weeks until doves join the cardinals, and maple sap is running

Two and a half weeks until the first red-winged blackbirds arrive in the wetlands

Three weeks to the very first snowdrop bloom and the official start of early spring

Four weeks to major pussy willow emerging season

Five weeks to crocus season

Six weeks to the beginning of the morning robin chorus before sunrise

Seven weeks to daffodil time

Eight weeks to the major wildflower bloom

Nine weeks until the yellow blossoms of forsythia bushes appear

Ten weeks to tulip season

In the Field and Garden

There is no better time than the dark moon in January to force daffodils and tulips into bloom. If you don't have any, go out and cut a pussy willow branch, put it in some nice warm sugar water and then watch March appear.

Frost seeding typically begins at this time of the year: red clover is broadcast in the fields, and grass seed is scattered over bare spots on the lawn.

Reserve your spring chicks for March, April or May so they can gain weight throughout the summer and be ready to lay by late summer and early autumn.

Rhubarb leaves emerge in the sun, and Lenten roses are budding. Those farmers and gardeners who fly to central Florida for a January vacation can find elderberries and azaleas blooming in milder years. Calves and lambs will be out in the fields throughout the warm South.

Plan ahead and fertilize while the weather is still cold. Winter fertilizing not only frees up time in the spring for the many farm and garden chores that follow warm weather, but it provides a modicum of insurance against spring rain delays. The frozen soil of winter also resists compaction from heavy equipment.

In late winter, treat ash, bittersweet, fir, elm, flowering fruit trees, hawthorn, juniper, lilac, linden, maple, oak, pine, poplar, spruce, sweet gum, tulip tree, and willow for scales and mites. Spray trees when temperatures rise into the upper 30s or 40s.

Do your winter pruning under this week's dark moon. Start your worm farm, too.

The pre-Lenten carnival marketing season begins near this date, about a month before Mardi Gras.

The Easter Market (mid-April this year) is a major marketing time for lambs and kids. Explore the Passover Market, too.

Almanack Literature Help! What Do I Do? By Nancy Minor, Bergheim, Texas

We have a young female Border Collie who loves her lambs. Although we gave her the grand name of Tay, we've always called her Tater, which more clearly reflects her personality. Often

intimidated by the older ewes, she decided that she would prefer to work only with the lambs, gently herding them in the pen and carefully guarding them in the field.

One day last year, Tater was called upon to perform a duty above and beyond her job description. A ewe with twins had left the pen and walked up the hill leading to the pasture, taking only one twin with her. As she reached the pasture, the ewe called out to her lambs to come and nurse. The twin who had been daydreaming and had been left behind, started up the hill toward the sound her mother's voice.

At that moment, Tater started walking down the hill. As the lamb approached her, Tater stopped, and the lamb, not seeing her mother but hearing her voice, approached Tater and started to nuzzle under her back let, looking for milk.

Tater froze and looked at me with such pleading in her eyes, as if she were trying to ask me, "Help! What do I do?"

I was trying so hard not to laugh that I couldn't give a command. So Tater dutifully lifted her back leg for the lamb to nurse!

At this point, the lamb realized there was no milk to be had and jumped back, mortified I'm sure, to be caught nursing on a dog.

Answers To Last Week's Sckrambler

In order to estimate your Sckrambler IQ, award yourself 15 points for each word unscrambled, adding a 50-point bonus for getting all of them correct. If you find a typo, add another 15 points to your IQ.

LUFL	FULL
OLW	WOOL
FULWOPER	POWERFUL
OEULFRDNW	WONDERFUL
UUCPFL	CUPFUL
UAEBITFUL	BEAUTIFUL
ERICFULM	MERICFUL
LUFRETSAM	MASTERFUL
EAOOUTSPNFL	TEASPOONFUL
ULPL	PULL
ULFITNUOB	BOUNTIFUL

This Week's Rhyming Sckrambler

NOITULOSERRI
CUMCIROLCUNIOT
TIONUTITSBUS
IONTTUSERI
VELULOTION
EEOUIONTCRCL
PRCTNOEUIO
ONTIUBRITER
INLOVTUNIO
SIDIRTTUBNOI

Poor Will's Almanack for 2020 (featuring 60 outhouse stories) is now available from Amazon. For an autographed copy, send a check for \$20.00 for each Almanack to Poor Will, P.O. Box 431, Yellow Springs, Ohio 45287. You can also purchase The Weather Book of Poor Will's Almanack from Amazon or for \$20.00 at the above address.

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Auction

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Repairs to Brandon Road Lock and Dam pushed to 2023

BY TIM ALEXANDER
Illinois Correspondent

ROCK ISLAND, Ill. — The number of Illinois River locks and dams scheduled for extended closure during the summer of 2020 has been reduced from six to five with the pushback until 2023 of major upgrades to the Brandon Road lock due to a scheduling conflict with the company contracted to complete the upgrades.

"The upcoming Illinois Waterway 2020 Consolidated Lock Closures no longer include a closure at Brandon Road Lock and Dam near Joliet, Illinois," reads a U.S. Army Corps of Engineers (USACE) update on the website of their Rock Island District office. "Due to significant workload, the contractors involved are unable to undertake the maintenance work at Brandon Road Lock and Dam. Consequently, only five lock closures are now slated to include Starved Rock, Marseilles, Dresden Island, Peoria and LaGrange locks and dams."

Those closures are scheduled to be in place at Starved Rock from July 1 through October 29, Marseilles from July 6 through October 29, Dresden Island (Morris) from July 6 through Oct. 28 (with some windows of restricted access), Peoria from July 6 through Sept. 30 and LaGrange from July 1 through Sept. 30. The five remaining planned lock and dam closures should commence as scheduled, confirmed Alan Marshall, USACE Rock Island District corporate communications officer, on Dec. 26.

"This is our best estimate of the schedule right now, and it is on schedule to happen as the schedule is posted," Marshall said. "The Dresden Island closure will have to be delayed likely until 2023." The work on the Dresden Island Lock and Dam, which includes upper and lower miter gate installation, is now scheduled for July 1 through Sept. 30, 2023, according to the USACE Rock Island District website.

"The (entire) schedule is subject to change, primarily in response to weather events," Marshall said.

Impacts of the lock and dam closures would be significant to the movement of grain, fertilizer and fuel during 2020, noted Dennis Shannon, USACE project manager for Peoria, during a November webinar on the planned closures. With the



Above: Map courtesy USACE Rock Island District.

river being closed 90 to 120 days, it is likely that ten million tons of commodities will have to be rerouted via other means of transportation, according to Shannon.

"It's a big logistical problem for us," said Mark Marquis, owner of Marquis Energy, a dry-mill ethanol plant on the Illinois River in Hennepin, last year. "We've been working on this since it was first announced that they were going to have to totally shut down the Peoria and LaGrange locks to rehab them. We have looked at a number of different ways, with different railroads, trucking and pipeline (options). When you make a million gallons a day of ethanol and 3,000 tons of distillers grains a day and ship it, that product has to go somewhere, and it's going to be a big challenge."

An exception to the closure-related restrictions at Peoria and LaGrange could occur if water levels at the locks become high enough that the wicket portions of the dams could be lowered for "open-pass" around the dam. Navigation on the Illinois River between the locks will not be impacted by the closures, allowing recreational and commercial vessels to operate in the pools without restriction.

To follow along with updates and news involving 2020 Illinois River lock and dam closures, save the USACE Rock Island District's web page: www.mvr.usace.army.mil/Missions/Navigation/Navigation-Status/.

Below: Photo of barge on IL River near Chillicothe in late 2019 by Tim Alexander.



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Great Smoky Mountains, Elvis, country music...and POULTRY?

BY DOUG GRAVES

Ohio Correspondent

COOKEVILLE, Tenn. —There are many interesting facts about Tennessee, but poultry probably doesn't cross one's mind. And maybe it should.

"Poultry and eggs are huge here in the south," said Gwen Venable, Vice President of the U.S. Poultry & Egg Association. "The northern states may lay claim to producing the most turkeys, but when it comes to broilers Georgia is No. 1 on the list and states like Tennessee, North Carolina, South Carolina and Mississippi are up there too."

This past fall, the USPOULTRY Foundation board approved student recruiting grants totaling \$383,577 to 35 colleges and universities across the country with a poultry science department or industry-related degree program.

This past week alone, the USPOULTRY Foundation awarded a \$7,000 student recruiting grant to Tennessee Tech University. A portion of the funds will be used to further the current recruitment and educational efforts of the university's Poultry Science Club. The university currently hosts poultry clinics each spring and invites local FFA chapters to participate in the on-campus events.

"The grants, like the one for Tennessee Tech, [are] to encourage people to engage in poultry production," Venable said. "We work with the Land Grant universities and supply them with funding to help us with recruitment. Basically, if any school can show that it has some type of poultry-related program we provide funding for them if they apply through us."

The grants are made possible by gifts to the Foundation from companies, individuals and families, in addition to funds earned over the years at the International Poultry Expo.

Tennessee State is one of the many smaller universities who are taking advantage of opportunities in poultry, giving a boost to its relatively young yet revitalized poultry program.

Three years ago, Tennessee Tech University received a \$2 million grant to create the first-of-a-kind Tennessee Center for Poultry Science



Above: Kathryn Stephens, an agriculture major at Tennessee Tech, works with a chicken on the university's Shipley Farm. (photo submitted)

Excellence. The Center for Poultry Science Excellence will include two 200-foot-long poultry barns, a small scale feed mill and processing plant, a commercial kitchen and classroom - all located in the university's Shipley Farm. Ground breaking for that facility is expected this spring.

"Interest in poultry science has grown over the years," Tennessee Tech President Phil Oldham said. "We identified an industry where our students can find great opportunities. This most recent grant will help our School of Agriculture prepare its students for success in the industry."

While some of the larger egg companies can be found in western Ohio and northeast Indiana, the South reigns supreme when it comes to broiler production and value.

"According to USDA data (2017), Georgia is tops in the slaughter of young meat chicken at 1.3 million birds," Venable said. "Alabama is second at 1.1 million while Arkansas ranks third at 996,000. And Tennessee is gaining strength."

Tennessee is ninth in that list at 303,000. Others in the Farm World readership area include Kentucky (291,000), Indiana (69,000) and Iowa (19,000). Poultry is Tennessee's second-highest agricultural commodity, right behind beef.

Companies involved in the production and processing of poultry provide 1,814,200 jobs that pay \$100.2 billion in wages to families throughout the country, generate more than \$469 billion in annual economic impact, and about \$32.9 billion in taxes.

The poultry industry in the U.S. employs as many as 374,063 and generates as additional 1.45 million jobs in supplier and ancillary industries.

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BATH, IN • FRANKLIN COUNTY

Prime Land AUCTION 234.5± Acres

OFFERED IN 6 TRACTS

Wednesday, February 12 • 11 am

AUCTION SITE: Union County 4-H Community Building in Liberty, IN. Located at 411 Patriot Blvd., Liberty, IN.

PROPERTY LOCATION: 3063 Oxford Pike, BATH, IN 47010.

TRACT DESCRIPTIONS: Franklin Co., Springfield Twp, Section 3
TRACT 1: 50± ACRES nearly all tillable. Frontage on Springfield Rd. This is a rectangular & nearly level field for ease of operation. Quality Cyclone, Fincastle & Xenia soils. Excellent investment opportunity here.

TRACT 2: 41± ACRES with 39± tillable acres per FSA. Frontage on Springfield Rd. Established lane along the north line of this tract traveling back to the original 1800's farmstead site. Approx. 2± acres of wooded area with older barns including one with hewn/pinned beams & a drive-thru corn crib. Consider combining this with Tract 1 for a nice 91± ac contiguous field.

TRACT 3: 93± ACRES with 74± tillable acres per FSA. This is a great combination tract with 20± ac of mature woods for hunting or recreation. Easy access with frontage on Oxford Pike & Springfield Road. Quality soils.

TRACT 4: 5.5± ACRES with farmstead featuring: • 2-Story 2,446 sf home (3063 Oxford Pike) with vinyl siding & windows, forced air, oil furnace & a/c • 36' x 34' wood pole barn with metal siding • Early 1900's 80' x 56' wood

frame livestock barn with metal siding • 36'x36' older wood framed barn • Multiple smaller wood sided sheds • 20,000± Bushel Grain Bin, 36' diameter, (2) 36" fans w/gas burners & newer upright unload auger This could be your perfect spot in the country for 4-H animals or a mini farm. Franklin County municipal water & septic system. Serviced by Franklin County Schools.

TRACT 5: 1.0± ACRES with 1 1/2 story home with vinyl siding & vinyl windows. Nice country setting with its own well & septic. 1,868 sf of living space with partial basement. 3 BR, 1.5 BA w/forced air, gas & a/c. Additional 21'x16' detached garage w/vinyl siding. Located at 3058 Oxford Pike.

TRACT 6: 44± ACRES with 36.86± tillable acres per FSA. Frontage on both Oxford Pike & Springfield Rd. 8± ac of mature woods on this tract. Top-tier soils.

INSPECTION DATES: 11:00am - Noon
Wed., Jan. 15 | Wed., Jan. 29 | Wed., Feb. 5
Meet Agent on Tract 4

OWNER: Marjorie R. Finch Trust, Stephen Finch and Carol Downard Co-Trustees
For Info Call Auction Manager: Andy Walther: 765-969-0401 (cell)

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Madison County, Indiana

Land Auction

Thursday, February 27 • 6pm

- Excellent Brookston & Crosby Soils
- Tillable Cropland (2020 Crop Rights)
- Pattern Tiled (Tract 1)
- 1031 Exchange Opportunity
- Woods for Hunting or Potential Building Site



2020 Crop Rights!

167± Acres

Offered in 4 Tracts

Auction Location: St. Joseph Center (St. Joseph Catholic Church) • 1306 South A. St., Elwood, IN 46036

Property Location: From the intersection of S.R. 13/S.R. 28 in Elwood, Go West on S.R. 28 approx. 1 mile to 1000 W. (County Line). Turn left (South) & go approx. 1/4 mile to Tract 1 & continue South to get to Tracts 2, 3 & 4.

Inspection Dates: Sat., Jan. 25 & Feb. 8 from 9-11am, Meet a Schrader Rep. at Tract 1

Tract 1: 40± Acres of productive tillable cropland with road frontage on 1000 W. Excellent Brookston & Crosby Soils that are **pattern drained**. **Excellent Weighted Corn Index of 162.7**. City Water is located at the Northwest corner of the property.

Tract 2: 45± Acres of tillable cropland with road frontage on 1000 N & additional frontage on 1000 W. This tract has some tile drainage installed, call for detailed map. Predominate soil types are Brookston Silty Clay Loam & Crosby Silt Loam.

Tract 3: 11.5± Acres of Woods. Great potential building site or hunting with road frontage on 1000 W. Good mix of Hardwoods.

Tract 4: 70.5± Acres with approx. 62 tillable. Tract features good quality Brookston Silty Clay Loam & Crosby Silt Loam soils. Good drainage outlet with some tile already installed. Road frontage on 1000 N & 1000 W.

Seller: Cullison Farms / **Auction Manager:** Rick Williams • 765.639.2394 AC63001504, AU10000259

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In
FarmWorld

UK to host Universities Fighting World Hunger Summit

BY JORDAN STRICKLER
Kentucky Correspondent

LEXINGTON, Ky. —According to the USDA, upwards of 40 million Americans do not have enough food to eat and up to 40 percent of the country's food supply is wasted. A 2018 study by the agency found that approximately 150,000 tons of food is tossed out in U.S. households each day, equivalent to about a third of the daily calories that each American consumes. Fruits and vegetables were the top contenders to be thrown out, followed by dairy and then meat.

In 2005, Auburn University began an initiative to help fight world hunger and food wastage. Partnering with the United Nations' World Food Programme, the school created the Universities Fighting World Hunger (UFWH) program the next year. Now in its 15th year, the global event will be headed to the University of Kentucky (UK). Taking place March 19-20.

"Every university represented will find something they can do to help end

hunger, educate students and discover new ways to feed everyone on the planet," says Janet Mullins, interim chair of the UK Department of Dietetics and Human Nutrition.

The event will bring together college students, faculty, administrators and hunger activists from across the world to discuss ways they can collectively reduce worldwide hunger. Featured speakers throughout the two days will include Kentucky Department of Agriculture Commissioner Ryan Quarles; Nikki Putnam Badding, director of human nutrition initiatives at Alltech; Tamara Sandberg, executive director of Feeding Kentucky; and Maria Rose Belding, cofounder and executive director of Matching Excess and Need for Stability (MEANS), a free online platform that connects businesses with extra food to charities that feed the hungry. The creation of the latter's initiative earned the then 22-year-old recognition as Glamour Magazine's 2018 College Woman of the Year and one of the 2018 Heroes of the Year by CNN.

UK was represented at the inaugural

summit and since then, has taken measures to address hunger on its own campus and around Lexington through its local chapter of UFWH. These include Campus Kitchen on the grounds of the school, which started in 2014. In it, UK students recover unused, quality meals and produce from UK Dining Services and local businesses to prepare and serve meals to those in need across the town.

"These meals serve families who often cannot afford healthy food," said Kaela Jackson, president of Campus Kitchen at UK and a dietetics major. "We also deliver fresh bagels to residence halls once a week and provide food for Farm to Fork."

Since 2018, student members of Campus Kitchen have provided free, locally sourced lunches for the school's students once a week through Farm to

Fork. In the fall of 2018, UK's chapter of UFWH partnered with the university's Dining Services, Student Government Association and Community of Concern to distribute meal swipes, which provide free meals at UK Dining Services facilities to students.

"Having access to nutritious foods affects student success and their overall well-being," said Claire Crosby, a senior human nutrition major and president of UK's chapter of Universities Fighting World Hunger.

Registration and more information about this year's UFWH summit is available online at www.uky.edu/summit2020. Early bird registration, which ends on Jan. 31, is \$20 for students and \$100 for non-students. After that date, registration increases to \$25 for students and \$125 for non-students.



SUTORIUS FARM EQUIPMENT AUCTION

FRI, FEBRUARY 7TH, 2020 AT 10:30AM
6006 Wahl Road, Vickery Ohio 43464



45 MILES EAST OF TOLEDO • 10 MILES WEST OF SANDUSKY • 15 MILES NORTH OF BELLEVUE
DIRECTIONS: From Castalia, OH Travel North on SR 269 3 Miles to US 6 turn left (West) travel 1/2 mile merge right at Wiegels Point and continue straight onto Wahl Rd travel 1.8 miles. From Port Clinton, OH Travel East on SR 2 for 6 Miles to Exit 128 SR 269 South toward Castalia go 1 mile to SR 6 turn right (West) travel 1 mile merge right at Wiegels Point and continue straight onto Wahl Rd travel 1.8 miles. **Watch for Wendt Auction Signs.**

AUCTIONEERS NOTE: Brian has decided to reduce his row crop operation and spend more energy on his custom mowing services and Bay Area Seed Solutions LLC Pioneer Seed Dealership. What an immaculate line up of hay and farm machinery that has been shedded and well maintained and ready to go to the field. One of the cleanest lines of equipment to sell this winter. Very few small items please be on time and bring your trailer.

SALE ORDER: Small wagon load of misc, hay equip, tillage, planting, tractors, combine, spray equip, semi, trailers, camper, misc. Very few small items this auction will last less than 2 hours.

Inspection Date:
Saturday, Feb. 1st
9am-Noon

4-TRACTORS - CIH LOADER - LOADER ATTACHMENTS - CIH 125 Maxxum Pro MFWD, CHA, 3 remotes, 3pt. 540/1000 pto, Air seat, 16spd pwr shuttle shift, 460/85 R42 rear-380/85 R30 front tires, rear wts, loader brackets & Joy Stick, 3103 Hrs. • CIH Farmall 95 MFWD, open station, 2 remotes, 3pt, 540/1000 pto, rear wts, loader brackets & Joy Stick, 18.4R34 rear- 13.6R24 front Michelin Agri-rib tires, 1415 hrs. • L740 CIH Self Leveling Loader, Euro-Style w/Hyd Remote and Quick Attach • Mast 4' Pallet Forks Euro-Style hook up • Mast 3 Tine Bale Spear Euro-Style hook up • Mast 10' Snow Box Euro-Style hook up & skid shoes • White 2-105 Field Boss, CHA, 2 remotes, 3pt, 540 pto, Perkins Diesel, over/under/direct trans, 18.4R/38 rear-10.00 x 16 front Firestone tires 6370 hrs • Farmall H tractor • 7' IHC Sickle Bar mower mounted pkg for Farmall H

TILLAGE - Great Plains TC 5109 Turbo Chisel 9 shank parabolic w/ rear chopping wheel, light kit • Kongskilde 2940-70 Field Cultivator 23' standard tine, walking tandems, light kit, HD rear hitch, 3 bar flex drag w/roller, 2-1/2" new shovels • J & M TF212 Crumbler 25' DBL roller w/single bar harrow, Ext tongue, light kit, tandem wheel, less than 1000 acres • Brillion Cultipacker 25' solid wheels, Hyd Fold w/ light kit • White 588 Plow 5-18" toggle trip • White 548 Plow 5-16" auto reset

PLANTING - NH3-SPRAYER - TANKS - DYKE CONTAINMENT - USC SEED TREATING EQUIP - Kinze 3500 Twin Line Soybean Planter 8-16 row w/KP2 Monitor, brush meters, rubber closing wheels, no-till coulters, markers, 2nd owner • CIH 1200PT AFS Corn Planter 12R-30" Liquid, Sunco DBL Disc unit mid fert coulters, plumbed for pop up on row fertilizer, Delta Precision Down Force & row flow, Markers, Precision 20/20 monitor, 1000 pto pump & cooler option, 1 owner, low acres • Dalton D3028 NH3 Applicator 11 shank w/ Raven flow control & 450 monitor, Coulters & mole knife, end transport, low acres • IHC 183 6RN 3pt Cultivator w/rolling shields • Top Air TA1100 pull type Sprayer 60' front fold booms, Hyd Drive pump, Triple Nozzle bodies, stainless plumbing, foamer, rinse tank, Raven 440 controller, 13.6 x 38 Tires, 1 Owner • 2350 gallon Ace Roto Mold skid tank w/ bottom drain • 2-10,000 gallon Verticle poly tanks • 4-2500 gallon Blue Verticle Poly Tanks • Dyke Tank Containment System measures 35' x 48' x 18" tall. 120 day removal time

• UM Seed Wagon w/ Gear Dual Compartment w/ brush auger, porta power, roll tarp • USC 60 gallon treatment tank w/ calibration tube model PSA60S22010 • USC 30 gallon treatment SS tank w/ stand & scale model PSA30S12001 • USC 16 gallon Inoculant w/pump & Stand model PSS15P01000

CIH COMBINE - HARVEST EQUIPMENT • CIH 7140 4WD AFS Combine rear wheel assist, chopper, hyd chaff spreader, H1V light package, Power fold bin ext & Camera, Adj. grain spout, 900/60R32 front-600 65R28 rear tires, 372 receiver, 794 engine/552 separator Hrs, 2nd owner • MacDon FD 75 5 Flex Draper grain table 35" single point hook up, one owner less than 1600 acres, extra knife • J & M 4WS15 Header cart w/ light kit 235/85R16 tires • CIH 2208 8RN Corn Head w/hyd deck plates • UM HT25 Header cart w/light kit

SEMI TRUCK - GRAIN TRAILER - DROP DECK TRAILER - CAMPER • 2006 Western Star 4900 5B Semi Truck w/ day cab, Cat C13 425 HP motor, 10 spd EF Transmission, Cruise, Dual exhaust, dual fuel tanks, 12K front & 40K rear axles, Exterior Aluminum wheels, 11.0/22.5 tires, 186" wheel base, 591,458 miles • 2010 Wilson Commander Grain Trailer 40' x 72' sides w/ stainless front & rear, roll tarp, Ag Hoppers, Air ride, exterior aluminum wheels, 1100 x 24.5 tires, 1 owner • 1969 Rogers Drop Deck Trailer 48' w/tandem axle 1100 x 22.5 tires • 2006 JAYCO 5th Wheel Camper 27.5 Ft RKS w/slide out

HAY EQUIPMENT - ZERO TURN MOWER - TIRES & DUALS - MISC EQUIP • Woods BW180HD Batwing Mower 15' rotary cutter, 1 owner • CIH DCX 101 Disc Bine 540 pto, dual rubber rolls, 1 owner • Krone T38 Rotary Rake 9' model Swadro 38T, pto, 1 owner • CIH SBX 540 Baler Twine, 540 pto, Hyd Pickup & swing, Hyd Bale tension, 1/4 turn bale chute, 30 gallon automated acid applicator w/sensors, 1 owner • New Holland 1037 Stackliner Bale Wagon pull type w/hand controls, 540 pto, new bale counter • 1-Haywagon w/gear 16' • Dyna Torque Radial Duals 20.8 x 38 • Set of front fenders for Magnum 7120 • Set 750-16 6 bolt IHC Rims • Set 1000-16 8 bolt IHC Rims • Ferris IS 2000 Zero Turn Mower 61" Deck 30HP Vanguard Big Block motor, 281 Hrs

SMALL WAGON LOAD OF FARM PARTS & MISC SELLS FIRST AT 10:30 AM.

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For Online Bidding Questions Call Nathan Whitney (740) 505-0482

Owner: Sutorius Farms LLC

Equipment Questions: Call Brian Sutorius 419-271-5386

Auction Manager: Kevin Wendt CAI 419-566-1599

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INDIANA LAND AUCTION

Eastern Delaware Co.

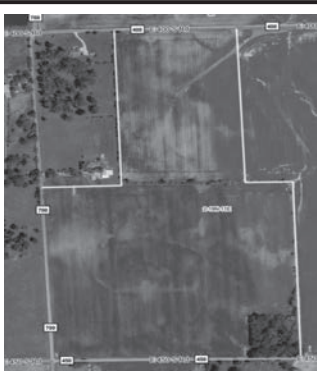
71 ACRES +/- Thursday January 23rd, @ 5:30PM

PROPERTY LOCATION:
Southeast Corner of Delaware Co Rd 700 E and 400 S

AUCTION LOCATION:
Selma, IN Lions Club
67 +/- Tillable Acres

Offered in 1 Tract

High Producing Soil Types Including Treaty and Crosby



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ABSOLUTE REAL ESTATE AUCTION

THURSDAY, FEBRUARY 6TH, 2020 • 10AM

SELLING REGARDLESS OF PRICE TO THE HIGHEST BIDDER!

Sunrise COOPERATIVE

3.5± ACRES WITH OFFICE BUILDING • WAREHOUSES • GRAIN FACILITY • CLOSE PROXIMITY TO I-75 & US 33 IN WAPAKONETA, OHIO

Success grows here.

AUCTION & PROPERTY LOCATION: 601 LOGAN ST, WAPAKONETA, OHIO 45895

From US-33, take the Hardin Pike/Wapakoneta Exit 36. Turn left onto Hardin Pike/Blackhoof Street and travel north for approximately 1/2 mile. Turn left (west) onto Plum Street and travel a short distance to the facility on the right. **AUCTION HELD ON SITE.**



BUILDING A: 90'X70' OFFICE BUILDING - 6,300± sq. ft. of modern, clean, updated office space with an organized floor plan. This office building boasts an inviting, well-lit reception area with built-in counter and workspace; 3 restrooms (one with a shower); large conference room; fireproof walk-in records room; large clerical work area with a separate climate-controlled IT area; breakroom with double sink, dishwasher, and spacious built-in cabinet and counter area; custom oak trim and several built-in oak upgrades. Located in front of Building A is a 10'x45' drive-on scale with Inter Systems hydraulic probe, sample control, and Load Master scale display.



GRAIN FACILITY: In excess of 400,000 bushels of grain capacity.

BUILDING B: 120'X40' WAREHOUSE/MULTI-PURPOSE BUILDING - Spacious concrete-floored warehouse building with over-hang. This updated structure includes (4) 14'x14' overhead doors with separate openers; (1) 23'x14' slider; (2) 10' sliders; and (2) walk-in doors.



BUILDING C: 115'X60' WAREHOUSE/MULTI-PURPOSE BUILDING - Steel-framed building with concrete floor as well as 4" concrete side walls. This multi-functional structure is an asset for grain storage or is suited for many other purposes. It includes (2) 18'x14' overhead doors and a walk-in door. 64,847 bu. grain capacity per ODA.



BUILDING D: 60'X30' WAREHOUSE/MULTI-PURPOSE BUILDING - This very unique building offers a great deal of character and would lend itself to many uses. With some attention it could be used as a separate private office or would be a great location for a retail business. It includes 2 floors, a partial basement, a 10'x12' overhead door, and a walk-in door.

BUILDING E: 48'X30' WAREHOUSE/MULTI-PURPOSE BUILDING - Totally insulated building with electric heater. This quality building could be utilized as storage, office space, retail, or repair/workshop. It includes a 10'x12' overhead door and a walk-in door.

INSPECTION DATES: Tues, January 14 • 10:30AM-12:30PM & Thurs, January 23rd • 10:30AM - 12:30PM



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Impossible Foods unveils alternative pork

BY JORDAN STRICKLER
Kentucky Correspondent

LAS VEGAS, Nev. — This year's International Consumer Electronics Show in Las Vegas has certainly created a buzz within the agriculture industry — specifically pork — and not in a good way. It was here that Pat Brown, who helms the plant-based meat company Impossible Foods, revealed that the organization will soon be releasing ground pork and pork sausage alternatives.

The move comes at the height of the fake meat wars between Impossible and their largest competitor, Beyond Meat. Like the Impossible Burger, the plant-based pork is made with soy protein and is designed to look, taste

and cook like real meat.

"Our mission is to completely replace animals in the global food system," said Brown at the trade show. "We've been serious about that from day one. You cannot have the mission we have without creating delicious, nutritious plant-based pork."

Globally, pork is the most popular meat, and Brown said the company's plant-based pork alternative has "40 percent less calories, 60 percent less total fat, 40 percent less saturated fat, zero cholesterol, higher iron" and is missing the "fecal pathogens" which he states is found in most of the world's pork supply.

Impossible is especially looking to find a market in China, where African Swine Fever has devastating the nation's pork supply. CNN Business

states that during a call discussing Beyond Meat's third-quarter earnings, Brown stated that "like many, we believe that Asia is a very attractive market for us," adding "you'll see us continue to be aggressive there." The opportunity "to produce and sell pork dumplings, for example, in Asia is significant and not one that's lost on us," he said.

Needless to say, this is not pleasing many in the pork industry.

"What's impossible is to make pork from plants," said Dr. Dan Kovich, director of science and technology for the National Pork Producers Council. "This is a brazen attempt to circumvent decades of food labeling law and centuries of precedence. Any adjective placed in front of the word pork can only refine it, not redefine it.

It's not pork. It's not pork sausage. It can't be labeled as such."

In a position paper on alternative meats, Kovich writes "Developing a clear understanding of these products is critical. Both plant-based and cultured products are often promoted as being more sustainable, environmentally friendly, ethical and 'pro-animal' than traditionally produced meat. These claims are generally accepted without challenge by interested consumers but have not been subject to rigorous examination. Particularly regarding cultured products, there are a lot of unanswered questions. The development of these products is shrouded in much secrecy. We need to know the animal source of the cell lines used and the inputs used

(Pork continued on page 16B)



DEBOLT FARM EQUIPMENT AUCTION

MON, FEBRUARY 3RD, 2020 AT 10:30AM
12154 Trenton Road, Galena, Ohio 43021



5 Mi. to Sunbury, OH • 20 Mi. to Columbus, OH • 45 Mi. to Mansfield, OH
DIRECTIONS: From Sunbury, OH: Take St. Rt. 37 east 3 miles to St. Rt. 605 (traffic light). Turn right (south) and travel 1/2 mile to Trenton Rd. Turn right (west) and travel 1.8 miles to auction site.

AUCTIONEERS NOTE: The Debolt family has been a mainstay in the farming community for several decades. Brad has decided to retire from the row crop operation to focus more on the custom fertilizer business with Bachman Ag Services. A great line up of well-maintained equipment to add to your operation.

TRACTORS: Case IH 9370 4WD tractor, 24.5R32 duals, power shift, skip shift, 4 hyd remotes, 4622 hrs, front weights, Trimble hyd AutoSteer with NAV II and EZ-Guide Plus on WAAS • Case IH 9230 4WD tractor, 18.4-38 duals, power shift, skip shift, 4 hyd remotes, 3pt, quick hitch, 1000 PTO, 5345 hrs • McCormick MTX 165 MFWD tractor, 18.4-42 axle duals, 14.9R30 front, C/H/A, shuttle shift, 16 spd power shift, front and rear weights, 3 hyd remotes, 3pt, 540/1000 PTO, 1918 hrs, tach on dash does NOT work, hrs are correct • Ford 6600 tractor with MoTrim side arm mower, diesel, dual power, 540 PTO, hyd telescoping arm w/ 4 1/2 rotary mower, front mount pump for mower

PLANTING, SEED TENDER AND TILLAGE: 2013 Case IH 1240 12/23 planter, bulk fill, 2x2 liquid fertilizer coulters w/ knife, (2) 200 gal poly tanks, hyd drive fertilizer pump, no-till coulters, pneumatic down pressure, updated closing spring tube, 4 section hyd seed drive, markers, no cyl in tongue, 36 GPM hyd pump with small and large 1000 PTO, Pro 600 monitor • Case IH 5400 grain drill, 3pt no-till caddy cart, 7 1/2" spacing, 2 bar coil tine drag, Remlinger poly brush fill auger, Loup monitor • Unverferth 2750 Seedrunner seed tender, tandem axle, scales, 6" conveyor, manual doors, roll tarp, Honda electric start engine, 2 5/16" ball hitch • 30' Case IH TigerMate II field cultivator, walking tandems, 5 bar spike tooth harrow, rear hitch and hyd, front gauge wheels, hyd single fold • 35' Case IH crumbler, hyd double fold, round bar basket • 34' Case IH 3950 disc, 7 1/2" spacing, rock flex, 3 bar harrow, rear hitch, tandem axle • Blu-Jet Tillage Pro 7 shank inline ripper, front and rear hyd adjustable discs, sells with extra parabolic shanks • International 700 onland moldboard plow, 7 btm, auto reset trip • International 9 shank disc chisel, single bar harrow, hyd lift, front disc • 5 btm moldboard plow, 3pt • 13' International 415 cultmulcher, rear hitch • Bulk seed bag holder

COMBINE AND HARVEST EQUIPMENT: Case IH 2577 Combine, 4WD, 900/60R32 Michelin MegaXbib drive, 18.4-26 rear, rock trap, AFX rotor, chopper, Maurer bin extension, Field Tracker, yield monitor, 2690 engine hrs, 2158 sep hrs • Case IH 2206 corn head, poly, hyd deck plates, height sensors • 30' Case IH 1020 grain head, row crop divider, hyd for/aft, 3" knife, spare floor, spare knife • 30' Unverferth header cart • Unverferth 7200 grain cart, 750 bu, corner auger, 1000 PTO, scales, 30.5L-32 diamond tires, SN B17500152 • (2) DMI Big-little wagons, 450bu, center dump, hyd surge brakes, 385/65R22.5 tires • (2) Unverferth 275 gravity wagons • (4) NH3 wagon gears

TRUCKS, TRAILERS, AND CASE DOZER: 1995 International 9400 semi truck, day cab, tandem axle, 350 hp Cummins N-14, 10 spd, air ride, 295/75R22.5 tires, air slide 5th wheel, 165" WB, 700,065 miles, 1/4 fenders • 1991 Freightliner FLD 120 semi truck, 42" flat top sleeper, 12.7 Detroit, 9 spd Eaton, air ride, 295/75R22.5

tires, 210" WB, PTO, single line wet kit, 973,102 miles • 40' 2009 Timpte hopper trailer, air ride, 11R24.5 tires, roll tarp • 2001 Wilson Commander 40' hopper trailer, spring ride, 11R24.5 tires, roll tarp • 1985 Fontaine 44' equipment trailer, 31' deck w/ 2' dovetail, ramps, oak floor, 8.25-15 tires on Dayton rims, spring ride, air brake • 16'+5' homemade equipment trailer, 8' wide, tri axle, ramps, electric brakes, 8-14.5 tires, pintle hitch, NO TITLE • Case 1150 dozer, 8' 4 way blade, rear hitch, diesel

SPRAYER, 28% APPLICATOR AND TANKS: Silver Wheels Voyager 2000 sprayer, 14.9R46 tires, hydrostatic, 90' boom, 15" nozzle spacing, 1000 gal SS tank, Cummins 5.9L diesel, foamer, SS inductor, 100 gal rinse tank, Raven 440 controller, Trimble 500 light bar, hyd tread adjust, 2626 hrs (built by Walker) • Blu-Jet AT 4010 28% applicator, 12/16 row, 1200 gal poly tank, 320/90R46 tires, hyd drive pump, Raven flow meter, 3 section, Raven 440 controller • 1969 12,000 gal Trinity tank, 573 shell, 328 head, 84" dia, 542" long, SN 367173, last used for NH3 • 1400 gal SS tank on steel skid with 2" banjo poly pump, Honda engine • 3250 gal poly Ace Roto-Mold leg tank with hoops • (2) 3000 gal poly flat bottom tanks, always in barn • GVM poly dike, 10 1/2" wide, 22" long, 41" high • 1700 gal flat bottom poly tank • (2) 1500 gal flat bottom poly tank • 1000 gal flat bottom poly tank • (2) 250 gal SS saddle tanks on cradle • (3) poly chemical shuttles with 12 volt pumps • (3) 265 gal chemical cage tanks • 12 volt chemical pump

GPS & MISC EQUIPMENT: Case IH FM-750 GPS receiver, AG-25 antenna, RangePoint RTX • Trimble EZ / Steer • 2000 gal dual wall fuel tank • International suitcase weights • Socket sets • End wrenches • Air tools • Misc shop tools and supplies

EQUIPMENT FROM NEIGHBORS BACHMAN AG SERVICES, INC (BRAD DEBOLT 740-272-1934) • 1991 International 4900 dry fertilizer tender truck • (2) Wilmar Super 500 dry fertilizer spreaders

CHUCK BACHMAN 614-679-4333 • John Deere AR tractor, styled • (2) 15' dia x 7 narrow ring hopper bottom grain bins, selling off site, buyer to remove • 30'x15' steel I-beam structure to support hopper bottom grain bins, selling off site, buyer to remove • 100 gal fuel transfer tank • (2) whole hog roasters

DAVE SARNOVSKY 740-649-4542 • Case IH 7240 MFWD tractor • John Deere 4430 tractor • International 674 tractor • Farmall M tractor • John Deere 7000 corn planter • 15' John Deere 750 grain drill • 23' John Deere 230 disc • Allis Chalmers chisel plow • 14' Dunhan Lehr cultmulcher • 15' M&W rotary hoe • McCurdy gravity seed wagon • Gravity wagon

MIKE HARSH 740-964-4364 • Case IH 85U Farmall MFWD tractor, sells with Case IH L730 loader • Woods 48" pallet forks, skid loader type attachment



SHELL BROS EQUIPMENT AUCTION

WED, FEBRUARY 5TH, 2020 AT 10:30AM
7607 White Chapel Road, Newark, Ohio 43056



AUCTION DIRECTIONS: From Interstate 70 (exit 132): Take Exit 132 to State Route 13. Travel on State Route 13 north 3.8 miles to White Chapel Road. Turn right (east) on to White Chapel Road. Travel 1/4 mile to auction site.

TRACTORS & ROGATOR • Agco Allis 9695 MFWD tractor, 520/85 R 42 rear duals, 420/90 R 30 front duals, fenders, frt wts, 3 hyd remotes, 1000 pto, 3 pt, 18-speed power shift, shows 3960 hrs • Agco Allis 9695 MFWD tractor, 480/80 R 42 rear duals, 380/85 R 34 front duals, fenders, frt & rear wts, 3 hyd remotes, 1000 pto, 3 pt, 18-speed power shift, shows 4738 hrs • Agco Star 5425 4WD tractor, 520/85 R 42 duals, Detroit diesel, 18 speed Fuller manual, 4 hyd remotes, 5321 hrs • Allis Chalmers D17 Series IV tractor, 16.9-28 rear tires, 6.50-16 front tires, diesel, quick connect, 540 pto • Rogator 1194 sprayer, Michelin VF 380/90 R 46 spray bib tires, 650/65 R 38 floater tires, 90' booms, 100' tips, sells w/ 1100 gallon SS tank, clean water tank, SS foamer, 3074 hrs, Raven Viper, Smart Trax, auto boom, boom height

TILLAGE & PLANTING EQUIPMENT • John Deere 7200 conservation 24 x 30" planter, front fold, 3 bu boxes, no-till coulters, floating row cleaners, markers, 600 gal liquid tank, vac meters, ground drive, in-furrow liquid, 2 pt, hyd drive fert pump, flow monitors, 3 section, ME 2-row units • John Deere 7200 conservation 12x30" planter, front fold, no-till coulters, ME 2-row units, 1.5 bu boxes, ground drive, vac meter, floating row cleaners, (2) 150 gallon poly tanks, hyd drive pump, 2-section, in-furrow liquid, markers, 2 pt hitch, 1000 pto hyd pump w/ cooler & tank for vac fans • White 8831 31 x 15" planter, central fill, no-till coulters, drawbar hitch, air meter, markers, hyd seed drive, 1000 pto hyd pump • Killbros 390 gravity seed wagon, 2 compartments, sight windows, 16.5L-16.1 tires, roll tarp, Killbros 15' brush auger, hyd power unit • Great Plains TC5313 Turbo 13-shank chisel, front hyd blade adjust, rear chopping blades, hyd fold, SN GP-A1465X • 30' Great Plains Turbo Till 3000, spike rolling claw, rear rolling basket, Series II, weight package, SN GP-4844NN • 30' Great Plains Turbo Till 3000, spike rolling claw, rear rolling basket, weight package, SN GP-1207NN • 15' field cultivator, front discs, walking tandems, 3-bar rear harrow

COMBINES, HARVEST EQUIPMENT, HOPPER BOTTOM TRAILER • Gleaner S77 Tritura combine, 520/85 R 42 duals, 18.4 R 26 rear duals, electric bin ext, 1639 engine hrs, 1125 separator hrs, yield monitor • Gleaner R72 combine, 520/85 R 42 duals, 750/65 R 26 rear, 4WD, 4462 engine hrs, 3424 separator hrs, AHHC, header tilt, bin ext • Agco 3000 12-row corn head, poly, hyd deck plates, w/ Crop Sweeper corn reel, 2-stalk stompers • 30' Agco 3000 grain head, SCH knife and wobble box, row crop dividers, SN 30FRHP84218 • 2014 Timpte 43' hopper bottom trailer, tandem axle, 11 R 24.5 tires, 4 alum rims, tire pressure system, roll-tarp, commercial hoppers, 72" sides, air ride • 30' Killbros header cart, 20.5 x 8.0-10 tires, lights • 30' Unverferth HT30 header cart, 11L-15 tires, lights • 8" jump auger, 3 hp, 220 v elec motor

TRUCKS, SEMIS & TRAILERS • 1973 Ford L9000 truck, tandem axle, Reman Cummins 855 eng., Eaton 13 speed, twin screw, 11 R 22.5 tires, engine brake, spring ride, 260" WB, 23' steel flatbed w/ 3200 gal poly leg tank, 40

gal inductor, elec valves, 2" cast iron banjo pump, Honda engine, shows 680,419 miles • Ford L9000 truck, tandem axle, Reman Cummins 855 eng., Eaton 13 speed, twin screw, engine brake, spring ride, 260" WB, 22' bed, 3200 gal poly leg tank, 2" Monarch cast iron pump, Honda engine, shows 341,088 miles • 1985 Ford 9000 semi truck, day cab, Cummins NTC-350, Eaton 13-spd, pto, 2-line wet kit, 210" WB, spring ride, twin screw, shows 553,627 miles, 4,605 hrs. • 1987 Ford L9000 semi truck, day cab, Cummins 855, Eaton 13-spd, pto, 2-line wet kit, 190" WB, spring ride, twin screw, shows 55,850 miles • 1986 Ford L9000 semi truck, day cab, Cummins NTC-350, Eaton 13-spd, pto, 2-line wet kit, 200" WB, spring ride, twin screw, air slide 5th wheel, shows 541,434 miles • 1989 Ford L9000 semi truck, day cab, 3406B CAT, 10 speed, spring ride, 11 R 22.5 tires, twin screw, pto, 2-line wet kit, air slide 5th wheel, uses antifreeze, shows, 869,356 miles • 1989 34' Fruehauf end dump aluminum trailer, 37" steel frame, tandem axle, 11 R 22.5 tires, disc rims, spring ride, coal chute door • 1986 33' Fruehauf end dump aluminum trailer, 35" steel frame, tandem axle, 11 R 24.5 tires, disc rims, spring ride, coal chute door • 1994 33' City end dump aluminum trailer, 36" steel frame, tandem axle, 11 R 22.5 tires, Dayton rims, spring ride air lift 3rd axle, coal chute door • 1989 32' Fruehauf end dump aluminum trailer, 35" steel frame, tandem axle, 11 R 22.5 tires, disc rims, spring ride, coal chute door

FORKLIFT, CONSTRUCTION EQUIPMENT & TRAILER • Clark C300 Y50 forklift, 5000 lb cap, pneumatic tire, gas-oil, 2 stage mast • Fiat-Allis 745H-B payload, 23.5-25 tires, diesel, 117" bucket • 14' jib boom for payload • Fiat-Allis 41-B dozer, 32" wide tracks, 2-way 18 1/2" blade, rear ripper • Barber Greene BG-240 paver, JD diesel • 15' x 78' pintle hitch equipment trailer, tri-axle, 8-14.5 tires, ramps, elec brake, NO title

FUEL TANKS • 10,000 gallon single-wall fuel tank, plumbed for 3" Kamlok fill, saddles, 110 v pump w/ meter & auto nozzle • (2) 2000 gallon dual wall flame-shield fuel tank, on skid, Fill-rite 35 GPM 110 v pump, high flow nozzle, meters • 2000 gallon single-wall fuel tank

• 550 gallon steel fuel tank • 1000 gallon steel fuel tank • 300 gallon dual wall flame-shield fuel tank • L-shaped fuel tank • Fuel transfer tank w/ 12 v pump

MISC. EQUIPMENT, PARTS, & SHOP ITEMS SELLING IN RING 2 • 14' Woods rotary mower, hyd fold, hyd raise, 540 pto • 5' x 8' long lift trailer, 2" ball hitch, 5.70-8 tires, no title • Tile stringer wagon, homemade • (6) 6,000 gallon poly flat bottom tanks • Gleaner combine parts • Gleaner R series sieves • John Deere planter parts • MUCH MORE! TOO MUCH TO LIST!

HUGE SELECTION OF SHOP TOOLS & PARTS SELLING IN RING 2 ALL DAY!

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Owners: Brad and Julie Debolt and The Karen Debolt Trust
For Equipment Questions Call Brad: 740-272-1934
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For Online Bidding Questions Call Nathan Whitney (740) 505-0482

OWNERS: Schell Brothers
For Equipment Questions: Contact Ron Walsh 740-405-3289
AUCTION MANAGER: Nick Cummings CAI 740-572-0756

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Pork

FROM PAGE 15B

in replicating them outside an animal. How are they 'fed'? Are antibiotics used, and if not, how can manufacturers be allowed to call these products 'clean'?"

The meat alternative business is a booming industry, with research from Bernstein predicting the alternative meat category is headed down a similar path to plant-based beverages like almond milk, potentially growing to a \$40.5 billion market by 2030. The financial services company Barclays estimates the market for alternative meat could grow by 1,000 percent over the next 10 years, reaching \$140 billion.

Sales of pork alternatives have grown by nearly 15 percent in the U.S. in the 12 months ending in April 2019, according to the Good Food Institute. During that period, demand for jackfruit, which is often used to make vegan pork substitutes, jumped approximately 20 percent.

Substitute meats are touted for health and environmental benefits; Beyond Meat, for example, estimates its plant-based burgers use 99 percent less water and generate 90 percent fewer greenhouse gas emissions than ordinary beef.

Companies marketing alternative meats cite climate change and animal welfare concerns, along with a general interest in health and wellness, as a reason to purchase their products. "Sustainability is increasingly more relevant as consumers, especially

Millennials and Generation Z, have become more aware of the damage that food production has caused to the planet," Barclays wrote in a May 2019 report.

Millennials and the younger Gen Z - together, the largest consumer cohort - are going meatless in record numbers. According to GlobalData, 70 percent of the world's population is reducing its meat intake and in the U.S. alone, there has been a 600 percent increase in people identifying as vegans (those who omit meat, dairy and eggs) since 2014.

In 2018, Impossible completed a \$300 million round of funding, bringing total funding for the company to \$750 million. McDonald's, White Castle, Burger King, Red Robin and Del Taco now all have meatless alternatives available.

Burger King will be unveiling the Impossible Sausage at 139 Burger King locations in late January. Some locations in Georgia, Michigan, Illinois, New Mexico and Alabama will begin serving a croissant sandwich version of the product for a limited time.

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Farm World

Wayne County, Richmond, IN

Quality Land Auction

Thursday, February 13 • 11am

156±

Acres Offered in 2 Tracts
(Subject to New Pre-Auction Survey)

• 153.94± FSA Crop Acres • 2020 Crop Rights to Buyer • Quality Westland & Sleeth Soils • Whole Farm Corn Index of 139.7 • Within the Richmond City Limits • Adjacent to Established Industry • Level Field for Ease of Operation

Inspection Date: Wednesday, January 22 • 11AM-Noon

Auction Site: Wayne County Fairgrounds (Kuhlman Building Lobby) • 861 N. Salisbury Road, Richmond, IN 47374

Property Location: At the northwest corner of Hodgin Road & Industrial Parkway. From the I-70 & US 40 intersection, take US 40 (National Road) west ½ mile to Industrial Parkway. Turn left at the Toyota Dealership (Industrial Parkway) & travel ¾ mile to the farm on your right. Additional frontage on Hodgin Road.

Tract 1: 74± acres w/ 73± FSA tillable acres. Frontage on Industrial Pkwy & Hodgin Rd. Examine the potential transitional value for this property. Nice investment piece or add it to your current operation Water & sewer along Industrial Pkwy. Zoned I-1 (Light Intensity Industrial). Entrance at northeast corner over culvert.

Tract 2: 82± acres w/ 80± FSA tillable acres. Frontage on Hodgin Rd. This is a rectangular & nearly level field for ease of operation. Quality Westland, Sleeth & Ockley soils. Excellent investment opportunity here. Great location in the city limits of Richmond.

NOTE: Property is zoned I-1 (Light Intensity Industrial) & is located within the Aquifer Protection Overlay (APO) District.

Owner: James R. Quigg Jr. Revocable Generational Skipping Trust, James R. Quigg & William M. Quigg Trustees | **Auction Managers:** Steve Slonaker • 765.969.1697 & Andy Walther • 765.969.0401 • Email: andy@schraderauction.com AC63001504, AU19400167, AU19300120

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- FRED W. NAGEL & SONS, INC. -

EQUIPMENT AUCTION

MONDAY, JANUARY 27 • 10AM | 18389 MICHIGAN AVE., THREE RIVERS, MI 49093

TRACTORS: • 2009 JD 9630T • 2011 JD 8360RT • 1997 JD 8300T • 1998 JD 8100T • 2011 JD 6170R • 2001 JD 7610 • 1998 JD 7210 Hi-Crop • 1997 JD 7210 Hi-Crop • 1995 JD 7200 Hi-Crop • 1994 Agco Allis 5670 • 1999 NH LB115 Loader Back Hoe • (3) GS33- GS3 2630 Display Screens • (3) 3000 Star Fire Receivers • Shop Built Hitch Ass. For JD 9000 Series Bare Back Tractors • 2016 NH Mat. Bucket **TRUCKS & TRAILERS:** • 2004 Sterling Day Cab Semi • 1998 Freightliner Day Cab Semi • 1986 Ford Aero Max L 9000 Day Cab Truck • 2005 Ford F 250 SD 4X4 • 2000 GMC Savana 3500 Van • 2006 Great Dane Reefer Van Trailer • 1999 Redi Haul Tandem Trailer • (2) 1999 Redi Haul Tri-Axle Trailers • 1997 Borco Tri-Axle Dump Trailer • 2000 Shop Built Tri-Axle Dump Trailer • (2) 1990 Shop Built Tandem Dump Trailer • Utility Tandem Trailer **TILLAGE & CROP CARE:** • 2011 JD 4830 Sprayer • 2014 Great Plains 3000TM Turbo-Max • 2014 Great Plains 1300 Sub Soiler • 2017 Pottinger Lion 6000-877 Power Tiller • 2003 Brillion Field Cult. 32' • 2003 Brillion XL0144 X Fold Crow Foot Packer • Yetter Rotary Hoe • White 588 Semi Mount On Land Plow • White 588 Semi Mount On Land Plow • Top Air TA 800 Sprayer • Adams SS 5 Ton Spreader • B-B 1000 gal. Nurse Cart • B-B 1000 gal. Nurse Cart • (2) Pusher Bed Row Cults. **HARVEST EQUIPMENT:** • 2006 Twin Grimme DL 1700 Self Propelled Harvester • AMAC G2 Harvester • Shop Built Harvester • Shop Built Harvester • (2) Shop Built Flower Toppers • (2) Shop Built Flower Toppers • (3) Crownner 5' Cutters **FARM RELATED:** • Bunning Lowlander MK4 105 Spreader • 2008 Cornell 100 Hp. 1000 GPM. Pump • (3) HD Hitches • JD 4X2 Gator Tilt Box • Gandy Spreader • Fimco Sprayer w/ Boom • Miller Bobcat Portable Welder-Generator • Weather Head Hyd. Hose Crimper • Hyd. Hose Fittings • Belt Conveyor • (134) New Sheets Particle Board • 300 gal. Fuel Tank • Motorola 2 way Radio System • (4) 320/90R50 w/ JD Rims, (4) 320/65R34 w/ JD Rims, (2) 445/65R22.5 10 bolt w/ 1 extra Rim, (2) 21.5Lx16.15L w/ Rims, (2) 600/55B26.5 w/ Rims, (1) New 11.25 w/9 bolt Rim, Misc. New & Used Tires & Rims • (2) MacRoy Irr Injection Meters, Transfer Pump, 100 gal. Fuel Tank, Irr. Parts, JD 9000 Drawbar, JD parts, Reznor Heater, Pto Shafts, Plow Parts, Truck Parts, Hitch Pins, Disk Blades, Hyd. Cyls, Hyd. Motors & Pumps, Steel Fence Posts, Transfer Hoses, Tool Boxes, Tarps

INSPECTION DATES: JANUARY 24 & 25 FROM 10AM-2PM

OWNER: Fred W. Nagel & Sons, Inc., Tom Nagel • 269.506.0877

SALE MANAGERS: Ted Boyer • 574.215.8100 & Ed Boyer • 574.215.7653 • ed@boyerpig.net #6505261770, #6501225192

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Clay Township | Decatur County

Auction

February 25th - 6:30 P.M. - Knights of Columbus - Greensburg

503± Acres Large Contiguous Acres of Productive Farmland

8 TRACTS

Michael Bonnell: 812.343.6036
Dave Bonnell: 812.343.4313

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LAND AUCTION LOCATION: For Your Comfort and Convenience Both Real Estate Auctions will be held at **The AMERICAN LEGION HALL St. Rt. 49 FT. RECOVERY, OH 45846**

WEDNESDAY * JANUARY 29th, 2020 * 12:00 NOON

1,200 +/- ACRES IN 23 PARCELS

Sections 7, 18, 19, 20, 21, 28, 29, 30, 31 and 32
Liberty Twp. * Mercer County, OH

FRONTAGE on St. Rt. 49, Oregon Rd., Frahm Pike Rd., Kable Rd., Skeels Rd., Carmel Church Rd. and Ohio-Indiana State Line Rd.

FARMS LOCATED: App. 5 Miles SW of Chattanooga, OH - West of Celina, OH Just South of Chattanooga, OH "Watch for Auction Signs"

WEDNESDAY * FEBRUARY 5th, 2020 * 12:00 NOON

419 +/- ACRES IN 8 PARCELS

Sections 33 & 34 Jefferson Twp. * ADAMS COUNTY, IN
Section 4 Wabash Twp. and Section 12 Penn Twp. * JAY COUNTY, IN

FRONTAGE on Ohio-Indiana State Line Rd. - 1200S, 750E, 650W, 725N, 750W

FARMS LOCATED: App. 5 Miles SW of Chattanooga, OH - East of New Corydon, IN Penn Twp. - App. 4 Miles NE of Pennville, IN "Watch for Auction Signs"

Owner: William Muhlenkamp Estate • Troy Muhlenkamp, Executor
Mercer County OH Probate # 2019-1104 / Jay County IN Probate # 38C01-1911-EU-000018
Knapke Law Office LLC, Jeffrey P. Knapke, Attorney for Ohio Estate <
> Gail Dues, Attorney for Indiana Probate

FOR MORE DETAILS or a PRIVATE SHOWING

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Michael Gibbons - Georgia & Southeast US. 309-509-2591

NO-RESERVE FARM RETIREMENT AUCTION

WED., FEB. 5 @ 10:00 A.M. CST

HELD AT THE FARM:
2128 CR 900 EAST
CHAMPAIGN, IL 61822

Glen & Rosie Trimble
Glen 217-778-6055
Rosie 217-377-5444



DETAILS, PHOTOS & ONLINE BIDDING @:
www.SullivanAuctioneers.com

HIGHLIGHTS: (2) IH 1468 V8 tractors; IH 3588 2+2 tractor; IH 856 tractor w/2350 loader; IH 254 utility tractor with belly mower; IH 1460 combine; IH 6R30" corn head; IH 22.5' platform; Brent 782 grain cart; (2) Brent gravity wagons; '06 Ford F150 pickup, 98k miles; DMI 27' 3-pt NH3 bar; IH 28.5' field cultivator; IH 25' disk; Landoll 850 22' soil finisher; 15' batwing mower; IH 900 12R30" planter; Tye 20' drill on no-till caddy; '78 GMC 6000 grain truck; Bobcat UTV; Cub Cadet 127 mower; Farm support items.

Sullivan Auctioneers, LLC • TF (844) 847-2161 • IL Lic. #444000107
Auction Manager: Kevin Haas (309) 264-7767 • www.SullivanAuctioneers.com

NO-RESERVE FARM RETIREMENT AUCTION

TUES., FEB. 4 @ 10:00 A.M. CST

AT THE FARM: 981 N 1200 EAST ROAD • MELVIN, IL 60952

DETAILS, PHOTOS & ONLINE BIDDING @:
www.SullivanAuctioneers.com

HIGHLIGHTS: '10 JD 9430 4WD tractor, 3,000 hrs.; '02 JD 8320 MFWD tractor, 5,200 hrs.; '75 JD 4630 2wd tractor, 8,200 hrs.; '72 IH 766 2wd tractor; '09 JD 9770STS 4wd combine, 2,600/1,830 hrs.; '96 JD 893 8R30" corn head; '08 JD 630F 30' flex platform; (2) Unverferth HT30 head trailers; '93 JD 7200 24R30" planter; '11 JD 2210 38' field cultivator; '16 Kuhn 4855 Dominator 11-shank disc-ripper; Brent 672 grain cart; '98 JD 1518 15' batwing mower; Friesen 2-box seed tender; '06 Freightliner tandem grain truck; '05 IH tandem grain truck; (2) Westfield MK100-70 augers; Farm support items.

Roger & Carolyn Johanssen
Roger (217) 841-6184 • Carolyn (217) 841-6183
AUCTION MANAGER: KEVIN HAAS (309) 264-7767



ROJO Farms



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UPCOMING AUCTIONS

Cass County, IN: January 28 • 57⁺ Acres - 3 Tracts
Contact: AJ Jordan 317.397.3086 or Larry Jordan 765.473.5849

Marshall County, IN: February 3 • 114⁺ Acres - 4 Tracts
Contact: Jon Rosen 260.740.1846

Montgomery County, IN: February 4 • 195⁺ Acres - 4 Tracts
Contact: Sam Clark 317.442.0251 or Jim Clark 765.659.4841 or Gary Bohlander 765.794.0221

Bartholomew County, IN: February 12-13 • 37⁺ Acres - 1 Tract
ONLINE ONLY BIDDING OPENS 2/12 - 8 A.M. & BIDDING CLOSES 2/13 - 4 P.M.
Contact: Dave Bonnell 812.343.4313 or Michael Bonnell 812.343.6036

Boone County, IN: February 13 *DATE CHANGE* February 24
157⁺ Acres - 2 Tracts
Contact: Brett Salyers 419.806.5643 or Sam Clark 317.442.0251 or Jim Clark 765.659.4841

Newton County, IN and Iroquois County, IL:
February 18 • 948⁺ Acres - 10 Tracts • Contact: John Bechman 765.404.0396

Wabash County, IN: February 20 • 77⁺ Acres - 1 Tract
Contact: Jon Rosen 260.740.1846 or AJ Jordan 317.397.3086 or Larry Jordan 765.473.5849

Decatur County, IN: February 25 • 503⁺ Acres - 8 Tracts
Contact: Michael Bonnell 812.343.6036 or Dave Bonnell 812.343.4313

LaPorte County, IN: February 26-27 • 18⁺ Acres - 1 Tract
ONLINE ONLY BIDDING OPENS 2/26 - 8 A.M. CST & BIDDING CLOSES 2/27 - 4 P.M. CST
Contact: Larry Smith 219.716.4041 or Kelsey Sampson 219.608.4341

Vermilion County, IL: February 27 • 95⁺ Acres - 3 Tracts
Contact: John Bechman 765.404.0396

FEATURED LISTING

St. Joseph County, IN: 60⁺ Acres • Contact: Julie Matthys 574.310.5189

Porter County, IN: 115⁺ Acres • Contact: Julie Matthys 574.310.5189

St. Joseph County, IN: 38⁺ Acres • Contact: Julie Matthys 574.310.5189

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AUCTIONEER: RUSSELL D. HARMAYER, IN Auct. Lic. #AU10000277, IL Auct. Lic. #441.002337 & OH Auct. Lic. #2001014575

WINTER CONSIGNMENT AUCTION

SATURDAY, FEBRUARY 15th @ 9:00 AM EST

**On-Site: Mort's Auction Field, 4377 E. US Hwy. 36
MARKLEVILLE, IN 46056**

**PREPLANT - TRACTORS - FARM EQUIPMENT - CONSTRUCTION
TAX TIME VEHICLES - LAWN & GARDEN - SHOP/HAND TOOLS
LIVESTOCK EQUIPMENT - TRAILERS - WAGONS OF SMALL ITEMS
& MORE!**

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CURRENTLY ACCEPTING CONSIGNMENTS

**FEATURED ITEMS IN THIS AUCTION INCLUDE THOSE OF LOCAL FARM
AND ABS REPRESENTATIVE, DAVE CHAMBERS. DAVE IS RETIRING
FROM FARMING AFTER 40+ YEARS IN THE BUSINESS!**

Fox 2250 Silage Chopper; John Deere 4850 Tractor; Sunflower 20' Land Finisher; Salford 18' Vertical Tillage Tool; EZ-Flow Seed Wagon with Auger; Kinze 3600 Planter; Case IH 2377 Combine; EZ-Trail 672 Head Cart; Unverferth 5000 Grain Cart with Tarp; John Deere 4650 Tractor; Case IH 1063 Corn Head with Header Control; DMI 2500 NH3 Applicator; Case IH 1020 Grain Head with Cray Air System; 1995 Jet 35' Steel Hopper Grain Trailer; 1990 Kenworth Semi; 10' Skid Steer or Ditchwitch Trailer; Rock Picker; John Deere 510 Round Baler; 30' Brillion Crumbler/Packer; New Holland 1320 w/Bush Hog 1846 QT Loader; Massey Ferguson Hesston 1837 Baler; John Deere 2700 Disc Ripper; John Deere 4020 w/Sunshade; Manure Spreader; Kubota BX 1800D Utility Tractor with 60 In. Deck; Eagle 4 Post Drive-on Hoist; 12' John Deere Disc; YETTER 3421 ROTARY HOE; Sitrex 5 Wheel Rake; 16 ROW HINIKER CULTIVATOR; PARKER GRAVITY WAGON ON JOHN DEERE GEAR; Krause 6171 Field Cultivator; 20' Tandem Axle Trailer;

1950 FERGUSON T0-20 TRACTOR; 1994 AMERICAN GENERAL HUMMER; 35' ALUMINUM DOCK RAMP; HYSTER H80C FORKLIFT; HITACHI EX200 LC-3 EXCAVATOR; ZETOR 3340 UTILITY TRACTOR; 1985 Case 1896 Tractor; NEW HOLLAND 688 ROUND BALER; MASSEY FERGUSON 33 17 HOLE WHEAT DRILL; 1 Row Planter; 2 Row Planter; 4' Rotary Mower; Quick Hitch; Quick Hitch; 1973 GMC Transmode Motorhome; 1980 Fiat Bertone X1/9 5 Spd; 1994 20' PBY HVY Tandem Axle Trailer; Bush Hog Freeman 132 Manure Spreader; LANDOLL 876-30 Finishing Tool; White 598 5 Bottom Plow; Brandt 60' Auger; Swenson Salt Spreader; John Deere 4020 Tractor; 8 Row Field Cultivator w/Spiked Tooth Drag; 7' King Kutter Blade; 3 Pt Forks; 4 Bottom Plow; Genie S-40 4WD Lift; FW MFG 37F Head Cart; FW MFG 37F Head Cart; John Deere 400 Rotary Hoe; 2007 Yamaha Electric Golf Cart; 1988 WESTERN W THOROUGHbred 2 Horse Trailer; 2014 Kuhn Knight Vertical Maxx VT 168.



4377 E. US. Hwy 36, Markleville, IN 46056 • Cell: 765-621-9116 • Office: 765-779-4000
Email: JeffBooneAuctions@gmail.com • Website: JeffBooneAuctions.com



The Nation's Leading Landowner Services Company

FOR SALE BY BIDS • Bids due Friday, January 31, 2020 by 2:00 PM EST, Contact Agent for details!

<p>167.5± Acres, Vigo County, Indiana</p> <ul style="list-style-type: none"> Quality tillable ground with good soils Excellent road frontage High volume of woodland acres with potential for recreational use <p>A-15684</p>	<p>116.30± Acres, Vigo County, Indiana</p> <ul style="list-style-type: none"> Pattern-tiled farm ground Wooded land with recreational use Quality soils <p>A-15701</p>	
<p>100.88± Acres, Vigo County, Indiana</p> <ul style="list-style-type: none"> Excellent location just south of Terre Haute and very near Highway 41 Productive Soils Ample road frontage <p>A-15692</p>	<p>574± Acres, Gibson County, Indiana</p> <ul style="list-style-type: none"> Productive farm land - open to farm in 2020 Excellent road frontage and field accessibility Commercial/residential development potential <p>A-15734</p>	
<p>213.93± Acres, Sullivan County, Indiana</p> <ul style="list-style-type: none"> Excellent hunting Large lake to enjoy fishing and waterfowl Merchantable timber <p>A-15698</p>	<p>345± Acres, Edgar County, Illinois</p> <ul style="list-style-type: none"> Highly Productive Soils Investor-Grade Farms Large tracts with excellent road access <p>A-15691</p>	
<p>554± Acres, Gibson County, Indiana</p> <ul style="list-style-type: none"> Level, mostly rectangular fields Open to farm in 2020 Ample road frontage <p>A-15696 and A-15697</p>	<p>344.56± Acres, Coles County, Illinois</p> <ul style="list-style-type: none"> Highly productive soils with high yields Pattern-tile Excellent road frontage <p>A-15706</p>	
<p>263± Acres, Vigo County, Indiana</p> <ul style="list-style-type: none"> High volume of woodland acres with potential for recreational use Quality tillable acres with productive soils Great location near Terre Haute <p>A-15700</p>	<p>221.10± Acres, Coles County, Illinois</p> <ul style="list-style-type: none"> Investor-grade farm Highly-productive soils Excellent road frontage <p>A-16295</p>	

For more information visit: www.FarmersNational.com/PrincetonFarms
Bid Forms and Information Booklets (available in January 2020)

For additional information on these listings, please contact:

Steve Lankford, Agent
Business: (812) 360-0209 • Office: (812) 876-7612
SLankford@FarmersNational.com • www.FarmersNational.com/SteveLankford



Kyle Spray, Agent
Business: (765) 775-6502 • Office: (765) 742-5900
KSpray@FarmersNational.com • www.FarmersNational.com/KyleSpray



FOR SALE BY BIDS • Bids due Friday, January 31, 2020 by 2:00 PM EST, Contact Agent for details!

<p>716.5± Acres, Vermilion County, Illinois</p> <ul style="list-style-type: none"> Rare Opportunity Elite/premier contiguous acreage Approximately 682 FSA tillable acres Highly productive soils - majority Drummer and Flanagan with 143 Soil PI <p>A-16193</p>	<p>2,180± Acres, Douglas County, Illinois</p> <ul style="list-style-type: none"> Once in a lifetime opportunity! Elite/premier contiguous acreage Approximately 2,000 +/- tillable acres systematically/pattern tiled Highly productive soils - majority Drummer and Flanagan with soil PI 140+ <p>A-18260 and A-18261</p>	
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For more information visit: www.FarmersNational.com/PrincetonFarms
Bid Forms and Information Booklets (available in January 2020)

For additional information on these listings, please contact:

Kyle Rule, AFM/Agent
Business: (765) 586-3428 • Office: (765) 742-5900
KRule@FarmersNational.com • www.FarmersNational.com/KyleRule



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FARMER RETIREMENT

Thursday, February 6th at 10 AM

TRACTORS - COMBINE- TRUCKS FARM MACHINERY

Location: 11455 HWY 764, Whitesville KY. 13 miles southeast of Owensboro, 3 miles north of Whitesville off HWY 54.



2011 Case IH 6088 combine, Pro 600 yield monitor, 4 W.D., 2sp hydro, field tracker, 2sp feeder; 2014 Geringhoff Northstar Elite XL, Model NS 1230 B 12 row 30" header; 2011 Case IH 3020 grain head, flex, divider extensions; 1996 Case IH 9330 tractor row crop special, 5,516 hrs, 12 sp. powershift transmission; 1993 JD 8570 tractor, 12 sp., transmission; 1990 Case IH 7120 tractor, 5,569 hrs, 18 sp. powershift transmission, 3 remotes, 18.4 R42 duals, 540 & 1,000 PTO; 2002 model 4640 Spra-coupe, 2,722 hrs, auto trans, Raven monitor/controller, wide axle extensions, 60' booms, 15" spacing;

1990 Mack CH 613 semi, 13 sp transmission, wet kit, engine overhaul April, 2013; 2015 Timpte model 3362 SuperHopper grain trailer, springride, tarp; 1991 Mack Midliner MS200P, 92,662 miles, 6 speed, 24' bed w/lift gate & towing hitch; 1989 Ford L8000 diesel, 5X2 trans, 61,324 miles, 16' Knapheide bed;

Case IH model RMX 340R disk, hydraulic leveling; Case IH TigerMate model 200 field cultivator; Unverferth model 1225 rolling harrow, double rolling baskets; Blu-Jet 11 shank ammonia applicator, 3 ph, Dickey-John controller; Blu-Jet implement caddy; 2003 Kinze 3600 12/23 planter, KPM II monitor; Roth 2 box seed caddy; Killbros 1600 grain cart, scales; Unverferth mod. HT30 header wagon; J & M mod. HT 974 header wagon; Hutchinson Mayrath anger 8" X 62"; 1988 Suzuki Samurai, 4wd, 28,591 miles; Garfield 12' box blade; Amco AD5-18" ditcher; IMCO 7' rotary mower; 2,000 gal. fuel tank, Tuthill pump; 2-6 ton bins; 1 c, 200 gal. & 1,500 gal. water tanks; mix tank, 2" pump; Mechanical 2 row tobacco setter.

Note: There are no small items so be on time! No Buyer's Premium

Loader Available

For more information contact Mike Melloan, Auctioneer at 270-929-1410 or go to kurtzauction.com

Terms: Cash or check in full day of sale

Owner: Richard Hagan

(800) 264-1204

kurtzauction.com

KURTZ

AUCTION & REALTY.

RETIREMENT

AUCTION

Farm Machinery

ALL SELLING REGARDLESS OF PRICE

DATE: TUES. FEB. 4TH AT 10 AM

Directions: From Owensboro KY at HWY 144 go 5.6 miles north-east on HWY 231/60 then north on Rockport Ferry Rd .1 mile, then Iceland Rd .1 mile to the auction site. Watch for signs.



Tractors, Sprayer, Spreaders, Combines, Headers, Grain Cart, Planting & Tillage Equip., Trucks, Trailers, Boats, Hay Equip., Trencher, Loader, Mower, Tanks & Misc.

Terms: Paid in full at the auction by cash or check. All equipment & machinery sells on an "as is, where is" basis. NO BUYERS PREMIUM. Announcements made day of sale take precedence over printed matter. Loader Available.

For more information, pictures & a drone flyover video go to kurtzauction.com or contact Joe or Joseph Mills, Auctioneers.

800-264-1204

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KURTZ

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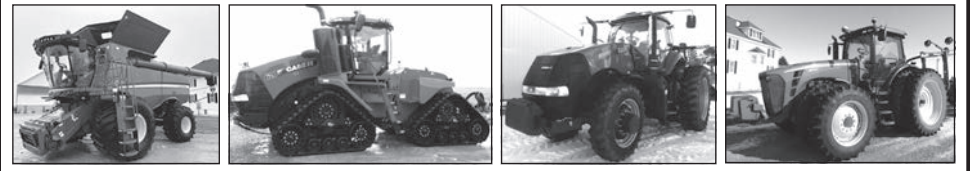


"FRIDAY" * FEBRUARY 7th, 2020
9:00 A.M. Sharp!

AUCTION LOCATION: 7911 St. Rt. 49, CELINA, OH

Approx. 3 Miles South of Chattanooga, Ohio or App. 11 Miles North of Ft. Recovery, Ohio On St. Rt. 49 ~ "WATCH FOR AUCTION SIGNS"

"LIVE INTERNET BIDDING" ~ (Live bidding starts after small items)
For sign up and more info go to "PROXIBID.com/Siefker"



LOW HOURED COMBINE & TRACTORS LOW HOUR FARM EQUIPMENT TRUCKS

2018 JD S-780 STS Combine w/4x4 ONLY 271 Eng./201 Sep. Hrs. LIKE NEW COMBINE, Active Yield, Auto Steer, Extended Wear Package, ICA Integral, 2 Cameras, Greenstar 4 Monitors, Hyd. Fold Bin Ext. HID Lights, Power Tail Board Chopper, Lateral Tilt Field Tracker, Single Point Connection, Longest Discharge Auger, 1250/50/R32 Tires, 750/65/R26 Rear Tires, Ser. # 1HO5780SVJ0801244, "Extremely Nice" Combine; 2018 FLD45 45' Draper Grain Head, Fore/Aft Reel, Single Point Connect Ser. # 1HO645FDVJ0800306 w/2018 J&M ASW 45' Grain Head Wagon, All Steer; "Both Like New"; 2010 JD 608C 8x30 Poly Corn Head w/Hyd. Deck Plates, Steel Stalk Rollers Ser.# 1HO608CX-TAO736496; (3) Starfire 3000 Globes w/Starfire 3 2630 Screens, W. AFS 2 Auto Trac and Section Control; 2015 C/IH 620 Quad Trak Tractor, ONLY 578 Hrs. 30" Tracks 85%, 16 Sp. Power Shift Trans w/700 Pro Monitor, Air Suspension Cab, HID Lights, 6 Hyd. Remotes, Guidance Ready 700 Pro Monitor, Elec. Mirrors, Hammer Strap Hitch, Big 1,000 P.T.O. {EXCEPTIONALLY NICE TRACTOR}; 2014 C/IH 250 MFWD Tractor ONLY 203 Hrs. Full Power Shift Trans. Left Hand Reverser w/700 Pro Monitor Screen, 10 Frt. Wts., 3 SCV Remotes, Big 1,000 PTO, Cat 3 Q.H., 480/80/R46 Tires/Hub Duals, 380/85/R34 Frt. Tires, Frt. Fenders {TRACTOR IS LIKE NEW}; 2013 235 MFWD Tractor ONLY 932 Hrs., Full Power Shift Trans., Left Hand Reverser w/700 Pro Monitor Screen, 10 Frt. Wts., 3 SCV Remotes, BIG 1,000 PTO, Cat 3 Q.H., 480/80/R50 Tires/Hub Duals, 480/70/R34 Frt. Tires w/Frt. Fenders {VERY SHARP TRACTOR}; 2014 C/IH 140 MFWD Tractor, FULL Cab/Buddy Seat, ONLY 391 Hrs., 16 Sp Auto-Shift Trans., 10 Frt. Wts., 3 SCV Remotes, 540/1000 PTO, Cat. 2 Q.H. 480/80/R42 Tires, 380/85/R30 Frt. Tires w/Frt. Fenders {Tractor Looks Like New}; 2014 C/IH 125 MFWD Tractor Full Cab w/Suspension, Buddy Seat ONLY 176 Hrs. w/L755 Self Leveling Loader/72" Buck & Fork Attachment, 16 Sp. Synco Shift Trans., 3 SCV Remotes, 540/1000 PTO, Rear Wts., 480/80/R42 Rear Tires, 380/85/R30 Frt. Tires/Frt. Fenders {Tractor Looks Like New}; 2010 JD 8245R MFWD Tractor, ONLY 1,357 Hrs., Full Cab Buddy Seat, 16 Sp Power Shift Trans., 4 SCV Remotes, Big 1,000 PTO, 16 Frt. Wts., Rear Wts., 480/80/R50 Rear Tires/Hub Duals, 420/85/R34 Frt. Tires/Frt Duals/Frt. Fenders; 2008 JD 8130 MFWD Tractor ONLY 1,588 Hrs., Full Cab Buddy Seat, 16 Sp Full Power Shift Trans., 4 SCV Remotes, Big 1000 PTO, 480/80/R46 Tires/Hub Duals, 420/90/R30 Frt Tires/Frt Duals, Frt Fenders; 2010 JD 7230 Premium MFWD Tractor, Full Cab Buddy Seat, ONLY 1,255 Hrs., IVT Trans., Set Wide for Spraying, 2 SCV Remotes, 480/80/R42 Rear Tires, 580/85/R30 Frt. Tires, Frt. Fenders; 2015 Hardi Navigator 4000 1,200 Gal Sprayer w/100' Fold Booms, Triple Nozzles, JD Greenstar Rate Controller, 480/80/R46 Tires.

JD TRACTORS DOZER GATORS / ATV's

2010 JD 5085M MFWD Tractor ONLY 953 Hrs., Open Station w/JD 563 Loader w/72" Bucket/Extra Set Forks, 16 Sp. Power Reverser Trans., 2 SCV Remotes, 540 PTO, Q.H., Roll Bar; 1965 JD 4020 Diesel Open Station, W.F., Tractor Single Remote, 7000 Series Steps, 540/1000 PTO, 18.4-34 Tires 80%; 1966 JD 4020 Diesel Open Station W.F. Tractor, Single Remote, 7000 Series Steps, 540/1000 PTO, 18.4-34 Tires 80%; Caterpillar D7 Dozer w/Hyd. Blade, Good Tracks; > Speicher 600 Ditching Machine Big Block Chevy New Tires; Reynolds #17E 10.5 Yard Scraper Pan, >Liebrecht Full Tile Plow Used Twice - RB4 Lazer System Controller Sold Separate; JD 500 Tractor Loader/Backhoe; Ford 4000 Gas Utility Tractor; A.C. WC Tractor Older Restore; 2013 JD 625i XUV 4x4 Gator, Gas, Cab, Windshield, Hyd Dump Bed 2,558 Miles; 2008 Kawasaki 610 Mule 4x4 Utility Vehicle Windshield 620 Hrs., Polaris 50 Gal Sprayer for Mule; JD 600 AMT 5 Wheel Gator, Gas, Manual Dump Bed.

EXCELLENT PLANTING NICE FARM EQUIPMENT

2019 C/IH 500T Precision Disc 40' Air Seeder ONLY App. 1,100 Acres Use From New, 7 1/2" Spacing's, Rear Fill Auger; 2013 JD 1990 30' Air Seeder 7 1/2" Spacing w/CCS & Rear Auger Fill; 2010 JD 1770NT 16x30 NT Corn Planter w/600 Gal Liq. Fert., Single Disc Openers, Air Down, Row Command, 3 Bu. Boxes, App ONLY. 4,240 Acres Use From New; 2013 Kuhn-Krause 8000 30' Excelsator Vertical Tillage w/Rear Spider Wheels/Roller Bar, Walking Tandems; 20 C/IH Tiger-Mate 12FT 46 1/2" Field Cult w/5 Bar Harrow/HD Rear Hitch & Rear Hyd; UM 1225 48' Frt. Fold Rolling Harrow II; 2011 Sunflower 1435 33' Rock Flex Disc, 9" Spacing's, ONLY App. 1,000 Acres Uses; 2011 Blue Jet 17x, 3 Pt, Hyd. Double Fold NH3 Applicator w/Disc Sealers, w/Raven Control off JD 2630 Screen "Very Nice"; Blue Jet 9x 3 Pt. NH3 Hyd. Fold Applicator, Rear Disc Sealers, HD Rear Hitch; 2012 Bush Hog 12720 20' Batwing Mower w/Chain Guards, Stump Jumpers, Spring Suspension, Big 1,000 PTO; KB FC36 30' Field Cult w/5 Bar Flex Harrow; Brent 5x CPC Deep Till Disc/Ripper w/Rear Chopper; JD 915 9x "V" Plow w/Transport Caddy, Rear Leveler; Brillion XL-144 32' X Fold Solid Transport Packer; Glencoe 9x Disc Chisel; Yetter 3530 30' Flat Fold Rotary Hoe " Like New"; JD 400 20' Rotary Hoe.

MANURE SPREADERS TILLER MOWERS BLADES

2012 Kuhn-Knight #2044 Vertical Beater Manure Spreader {VERY NICE}; 2012 BBI 10 Ton Tandem Axle Stainless Steel Fert. Spreader; 2016 Bush Hog RT846 7', 3Pt., Tiller; Land Pride 7', 3 Pt., Rotary Mower w/Chain Guards; Land Pride 7', 3pt., Finish Mower; Land Pride HD RBT 55120 Hyd. Rear Blade; White #549 6x 16-18 Onland Hitch Plow; White 549 5x16-18" Plow; JD 1450 5x16 Plow; (2) JD 145 5x16 Plow; Antique Road Grader on Steel; Antique Cement Mixer on Steel; Dunham 12' Culti-mulcher; Yetter 3530 30' FF Rotary Hoe; White 378 8x 30 Folding Cult.; IH 133 8x Folding Cult.; J&M 30' Weed Whip; 400 Gal Saddle Tanks; Few Misc. Items.

GRAIN CART WAGONS AUGERS SHOP TOOLS

FARM MISC. ROUGH CUT LUMBER

2004 J&M 750-18 Grain Cart w/Corner Discharge, Tarp, 1000 PTO; (2) 2018 J&M 555 Gravity Wagons w/Brakes, Lights, Tarp, Wheel Fenders, Mixer Tires {LIKE NEW}; (4) 2012 J&M 540 Gravity Wagons w/Brakes, Lights, Tarps, Wheel Fenders, Mixer Tires {ALL VERY NICE}; J&M 540 Gravity Wagon w/Brakes, Lights, Mixer Tires; J&M 525 Gravity Wagon; (4) J&M 350-20 Gravity Wagons; J&M 250 Gravity Wagon; 18' Flatbed Wagon on J&M 10 Ton Gear; Donahue 8'x21' Implement Tlr; 2013 Mayrath 10x62' Power Swing Auger; (2) Mayrath 10x56 Transport Augers; Millermatic 251 Wire Welder; Victor Torch Set; Anvil; Kennedy Toolbox; Jumbo Wrenches; Hyd. Jacks; Sockets; Wrench Sets; Cordless Milwaukee Tools; Drill Press; Ingersoll Upright Twin Cyl. Air Compressor; Chains; 1" Impacts & Impact Sockets; Chop Saw; Chainsaws; Oils; Grease; Hand Tools; Gas Transfer Pumps; Other Good Shop Tools; Tires; Parts; Several Stacks Hard Rough Cut Lumber.

2018 PICKUP PICKUPS CADILLAC SEMIS GRAIN TRAILERS

2018 Chevy 4x4 Regular Cab Pickup, ONLY 1,010 Miles, Red Color, Michelin Tires, Alum Rims, 8' Box {Pickup is LIKE NEW}; 2002 Chevy 4x4 Regular Cab Pickup, 8' Box, ONLY 70K Miles; 1988 Chevy 4x4 Regular Cab Pickup, 8' Box, 180K Miles; 2001 Cadillac DeVille 4 Dr. ONLY 69K Miles; 2011 Corn Pro 18' Tandem 14K Utility Trailer w/HD Rear Ramps; 1984 Dunham 28' Semi Van Trailer Fert. Tender Single Axle w/1700 Gal Poly Tank w/Pump; 1987 Fruehauf 28' Van Semi Trailer w/2000 Gal. Stainless Tank & Pump; 1993 IH 9400 Tandem Semi Day Cab Tractor w/3406 Cat Eng., 9 Sp., 24.5 Tires; 1993 IH 9400 Tandem Day Cab Semi Tractor w/3406 Cat, 9 Sp., 22.5 Tires; 2004 Farm Master 40' Steel Hopper Bottom Gr.Tlr; 1998 White 40' Steel Hopper Bottom Gr. Tlr.

EQUIPMENT OPEN HOUSE: Friday *JANUARY 31, 2020 * 11:00 AM-2:00 PM

Owner: WILLIAM MUHLENKAMP ESTATE

Troy Muhlenkamp, Executor <> Equipment Questions Call Troy @ (419) 852-9924

Mercer County OH Probate # 2019-1104 / Jay County IN Probate # 38C01-1911-EU-000018
Knapke Law Office LLC, Jeffrey P. Knapke, Attorney for Ohio Estate <> Gail Dues, Attorney for Indiana Probate

VIEW PICTURES & UPDATES ONLINE @ www.auctionzip.com - OH Auctioneer ID# 36760

TERMS: Good Check Auction Day * Out-of-State Bring Bank Letter of Credit * Not Responsible for Accidents

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AARON SIEFKER AUCTIONEER & OHIO REAL ESTATE BROKER

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TOM ROBBINS: Indiana Auction License #AU08900268 <> AARON SIEFKER: Indiana Auction License #AU08701105

Eric Robbins: Ohio Real Estate Agent / Auctioneer (419) 953-7713

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2020 FARM EQUIPMENT ANNUAL Auction MONDAY, FEBRUARY 3 9:30 AM EST

6407 N. ST. ST. RD. 15 • LEESBURG, IN 46538
ONLINE BIDDING AVAILABLE AT: WWW.POLKEQUIPMENTINC.COM



TRACTORS

- 1991 JD 2955, CAH, TWD, JD 265 LOADER, ONLY 496 HOURS- 1 OF A KIND
- 2015 JD 8320R, PS, ILS, 1519 HRS
- 2013 JD 8235R, PS, MFD, 3200 HRS
- 2010 JD 8225R, PS, MFD, 2800 HRS
- 2007 JD 8430, PS, ILS, 4337 HRS
- 2007 JD 8430, PS, MFD, 4400 HRS
- 2014 JD 7270R, IVT, TLS, 1214 HRS
- 2008 JD 7730, PQ, MFD, 890 HRS
- 2004 JD 7920, IVT, MFD, 5835 HRS
- 2005 JD 7320, PQ, TWD, 3325 HRS
- 2018 JD 6110M, PQ, MFD, 300 HRS
- 2003 JD 6420, PQ, MFD, 5322 HRS
- 2005 JD 5525, OS, TWD, LDR, 3000 HRS
- 1999 JD 5510, OS, MFD, LDR, 2900 HRS
- 1984 JD 4850, PS, MFD
- 1969 JD 4020, OS, PS, SIDE CONSOLE
- 2014 CIH STEIGER 400RT, 3PT & PTO, 1900 HRS
- 2014 CIH MAGNUM 310, PS, SUSPENSION, 1165 HRS
- 2012 CIH MAGNUM 290, PS, MFD, 1850 HRS
- 2012 CIH MAGNUM 290, PS, SUSP, 1493 HRS
- 2010 CIH MAGNUM 305, PS, SUSP, 1850 HRS
- 2015 CIH MAGNUM 240, CVT, SUSP, 1710 HRS
- 2016 CIH 70A, OS, MFD, LDR, 160 HRS
- 2018 CIH 70A, OS, TWD, 180 HRS
- 1987 CIH 359A, MFD, PS, 4400 HRS
- 1997 CIH 9330, 3PT & PTO
- 1978 IH 986, CAH, TWD, 3010 HRS
- 1976 IH 966 BLACKSTRIPE, CAH, 6300 HRS
- IH 674D, LOADER, 3764 HRS
- AC 8010, CAH, MFD, 1800 HRS
- 2019 JD 855M, 6000 MILES
- 2018 JD TS GATOR, 249 HRS
- 2018 JD TS GATOR, HALF CAB, 224 HRS
- 2017 JD 825 S4 GATOR, 117 HRS
- 2010 JD 850D, FULL CAB, 863 HRS

- JD 1780 6/11 PLANTER w/LIQ
- JD 7200 6R30 PLANTER
- JD 7000 6R30 w/LIQ
- 2014 KINZE 4900 16R30 w/LIQ-VERY NICE
- 2009 KINZE 3660 16/31 w/LIQ & PRECISION
- 2008 KINZE 3500 8/15
- KINZE 3000 6/11
- 2011 CIH 1220 6R30 w/LIQ-900 ACRES
- 2012 JD 1590 15FT
- 1992 JD 750 15FT
- 1996 JD 750 10FT w/SEEDER- VERY NICE
- 2018 GP 1006 NT w/SEEDER-LIKE NEW
- 2004 GP 1500 15FT- EXCELLENT
- GREAT PLAINS 3P500 w/SEEDER-LIKE NEW
- CIH 5100 20X8
- BRILLION SS10 SEEDER

DISCS

- SUNFLOWER 1435-40FT RF DISC
- WHITE 255 15FT HYD-FOLD DISC
- GP 3000 TT VERTICAL TILL

PACKERS & CUMBLERS

- BRILLION WFP-28FT PACKER-LIKE NEW
- BRILLION XXL-184 PACKER w/SCRAPERS LOW ACRES
- BRILLION X108-19FT PACKER w/SCRAPERS
- KRAUSE 4400 36FT PACKER-NICE
- FARMHAND WP42 27FT PACKER
- BRILLION WL03 21FT CULTIMULCHER
- DUHMAN LEHR 24FT CULTIMULCHER
- J&M TF 212 28FT ROLLING BASKET-CLEAN
- UNVENFERTH 110 20FT ROLLING BASKET
- SUNFLOWER 7252 45FT CRUMBLER

CULTIVATOR & FINISHERS

- SUNFLOWER 5055-44FT CULTIVATOR
- JD 980 24FT CULTIVATOR
- CIH 200 24FT CULTIVATOR
- CIH TM2 28FT CULTIVATOR-VERY NICE
- DMI TM2 27FT CULTIVATOR
- JD 2310 30'9 SOIL FINISHER
- KRAUSE TL6200 27FT SOIL FINISHER

FORAGE

- 2015 NH BC5070 BALER-LIKE NEW
- 2015 JD 469 BALER w/NET
- 2011 JD 458 BALER SILAGE SPECIAL w/NET
- 2011 NH 450 BALER
- 2012 JD 630 MOCO
- 1999 JD 945 MOCO
- 2016 NH DB313F 13FT MOCO-LIKE NEW
- 2016 NH 3114 PRO ROTOR-LIKE NEW
- H & S 16 WHEEL RAKE
- GEHL 1540 BLOWER-NICE
- KUHN 5135 MIXER w/SCALES
- NI 3722 SPREADER
- NI 3609 SPREADER
- NH 145 SPREADER w/GATE
- AERWAY 10 FT AERATOR

COMBINES AND HEADS

- 2011 CIH 8120, RT, FT, RWA, GUIDANCE, 2000-1400 HRS
- CIH 1083 8R30 CORN HEAD
- JD 643 CORN HEAD
- 2006 JD 635F
- 2003 CIH 1020-30 FT
- 1989 JD 920

MOWERS

- BUSH HOG 2720 20FT BATWING MOWER
- RHINO STEALTH 12FT BATWING MOWER
- WOODS 20CD 20FT FLAIL MOWER
- WOODS RC5 MOWER
- GRASSHOPPER 725G2, ZERO TURN, 1400 HRS
- GRASSHOPPER 620T2, ZERO TURN, 587 HRS
- JD X720, 54" DECK,

WAGONS & GRAIN CARTS

- UNVENFERTH 1115 CART, TARP, SCALES-NICE
- PARKER 4500 GRAIN CART
- BRENT 440 WAGON w/BRAKES

MISCELLANEOUS

- CENTURY HD 1300 SPRAYER 90FT BOOMS
- DEMCO HP SPRAYER
- LOFTNESS 8FT SNOWBLOWER
- FRONTIER SB1184 7FT SNOWBLOWER
- FARMKING 7FT SNOWBLOWER
- ABI HOSE PULL
- WOOD SPLITTER
- WOODS 1050 BACKHOE
- S&H 16FT LIVESTOCK TRAILER
- NEW FD8 HYD BOX BLADE
- L570 LOADER
- JD 148 LOADER
- WOODS RTR 60.40 TILLER
- KING KUTTER TG48 TILLER
- RAINFLO 345 MULCH LAYER
- BUCKEYE 4626 TRANSPLANTER

CONSTRUCTION

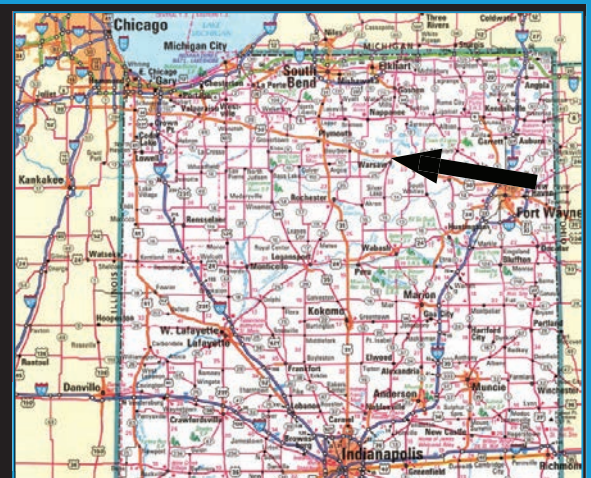
- 2017 GEHL Z45, CAH, 2 SPD, 708 HRS
- 2011 DEERE 310SK, OS, PS, 4WD, REG HOE, 1800 HRS
- CASE 588 SERIES 3 FORKLIFT, OS, 2WD, 2186 HRS
- 2018 DEERE 314, OS, 16 HRS
- 2016 CASE TV380, CAH, 2 SPD, 620 HRS
- 2018 BOBCAT T870, CAH, 2SPD, 2029 HRS
- 2017 BOBCAT T590, CAH, 2 SPD, 1410 HRS
- 2016 BOBCAT S740, CAH, 2SPD, 410 HRS
- 2015 BOBCAT T450, CAH, 2 SPD, 1165 HRS
- 2015 BOBCAT T650, CAH, 2 SPD, 1524 HRS
- 2015 CAT 226B3, CAH, 580 HRS
- NEW HOLLAND L225 GAS
- GROVE 4688XT MAN LIFT



NOTE: Due to early printing there will be additions and deletions
NO SALES after January 1, 2020

DIRECTIONS:

- 5 miles north of junction US 30 and SR 15 at Warsaw
- 9 miles south of junction US 6 and 15 at New Paris
- 50 miles northwest of Fort Wayne
- 50 miles southeast of South Bend
- 110 miles from Chicago and Indianapolis



ALL ITEMS must be removed from the lot by February 17th, 2020
Trucking Available at Customary Rates.

AUCTIONEERS

Mike Berger	AU#0870052
Gary Olson	AU#01031658
Kelly Hoffman	AU#10100019
Jeremy Edwards	AU#09100129
Steve Feldman	Clerk
Gary Horras	Ringman

Lunch will be served by Scotty's Pig Roast. Church providing dessert and coffee.

NO CONSIGNMENTS ACCEPTED! EVERYTHING SELLS!!!

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TERMS: Cash or a Good Check on the day of the Auction.
NO EXCEPTIONS
Online Bidders Should Pre-Register 48 Hrs. Before Auction

We will not be held responsible for accidents or items after they are sold. Announcements made the day of the auction take precedence over printed material.



LOCAL MOTELS - IN WARSAW, INDIANA

- 574-269-2323 Wyndham Garden
- 574-269-6655 Comfort Inn
- 574-268-1600 Holiday Inn Express
- 574-268-2600 Hampton Inn



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Major Airports: South Bend or Fort Wayne 50 miles



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Enlist E3 soybeans were jointly developed by Dow AgroSciences and MS Technologies. Enlist Duo and Enlist One herbicides are not registered for sale or use in all states or counties. Contact your state pesticide regulatory agency to determine if a product is registered for sale or use in your area. Enlist Duo and Enlist One herbicides are the only 2,4-D products authorized for use in Enlist crops. Consult Enlist herbicide labels for weed species controlled. Always read and follow label directions.



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OUTSTANDING NO-RESERVE EQUIPMENT AUCTION

Friday, January 24, 2020 at 11:00 A.M. EST

Auction to be held at Sullivan Auctioneers' Huntington, Indiana facility. Physical Address: 11996 N Goshen Rd., Huntington, IN 46750.

CPM LEGACY, LLC – CONTACT AUCTION MANAGER ZACH HINER (260) 437-2771: 2011 JD 7430 Premium MFWD tractor, 20 spd. AutoQuad Plus trans. w/left hand reverser, 3 hyd. outlets (electronic), 540/1000 PTO, AutoTrac ready, 480/80R42 rear tires, 420/85R28 front tires, front & rear fenders, weights, quick hitch, loader prep. pkg. w/joystick, premium cab, premium lighting pkg., power mirrors, 687 hours, SN RW7430K027996; 2014 JD S650 2wd combine, 3 spd. trans., ContourMaster feederhouse w/HD variable spd. drive, chopper, extended wear rotor, 21.5' unload auger, 800/65R32 drive tires, 600/70R28 steer tires, HID lights, premium cab w/7" touchscreen display, 172 eng./85 sep. hours, SN 1H0S650SLE0765078; 2012 Kinze 3500 8/16 planter, hydraulic drive, HD spring downforce, no-till coulters, seed firmers, liquid fertilizer system, markers, SN 904921; Blue-Jet AT3000 11-knife sidedress applicator, 1,000 gal. tank, hyd. pump, rate controller, 12.4-38 tires, SN 014995; Great Plains SS1300 3-shank 3-pt. inline ripper, spring loaded shanks, adjustable gauge wheels, lights, SN GP166244; McFarlane 12' reel disk, adjustable front gang angle, tandem tires, 3-bar spike-tooth harrow & rolling basket, lights, SN 15593; J&M 875 grain cart, 18" corner auger w/hyd. spout, scales, roll tarp, 30.5L-32 tires, SN 1202477; (2) Killbros 387 gravity wagons, truck tires, brakes, lights, sight glasses, on Killbros 1396 gears; Westfield MKX100-63 10"x63' swing away auger, 540 PTO, hyd. lift, SN 268041; JD 60 antique tractor, SN 6013964 – fully restored; JD GS3 2630 display & JD StarFire 3000 receiver.

RISNER FARMS – MIKE (574) 806-0013: Case-IH 5230 2wd tractor, 2 hyd. outlets, 18.4x38 rear tires w/hub duals, 11L-16 front tires, fully equipped cab, sells complete w/Case-IH 520 loader, 2,101 hours, SN JJF1054187; 2014 Kinze 4900 24 row 30" planter, center fill, electric drives, pneumatic downforce, vacuum, individual row seed & fertilizer clutches, ISOBUS capable, no-till coulters, liquid fertilizer w/openers, markers, 2-pt. hitch, software updates, low acres, SN 103759 – Excellent; Sunflower 1435 29' disk, 7.5" spacing, rock flex gangs, rear hitch, gauge wheels, walking tandem tires on mainframe & wings, SN 1435H07014; Bush Hog 12715 Legend 15' batwing mower, (8) airplane tires, front & rear chains, stump jumpers, small 1000 PTO, SN 12-04901.

CORBAT FARMS – CONTACT AUCTION MANAGER ZACH HINER (260) 437-2771: 2014 Case-IH Farmall 95C MFWD tractor, 12 spd. Power Shuttle trans., 2 hyd. outlets, 540/1000 PTO, 460/85R34 rear tires, 380/85R24 front tires, front & rear fenders, loader ready w/joystick, deluxe air ride seat, right hand door, cornerpost exhaust, 677 hours, SN ZEJV51403; Ford 545A backhoe, 2wd, OROPS, 24" rear bucket, 80" front bucket, 2 stick control, 16.9-28 rear tires, 9.00-16 fronts, 1,653 hours; Rhino F4-15 15' batwing mower, 540 PTO; '15 CornPro 20' deckover flatbed trailer, bumper hitch, 16' deck + 4' beavertail w/folding ramps, (2) 7k lbs axles.

MAKE PLANS TO ATTEND THIS OUTSTANDING AUCTION OF LATE-MODEL, LOW HOURED EQUIPMENT. YOU WILL FIND EVERY ITEM TO BE IN EXCELLENT CONDITION!

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NO-RESERVE FARM RETIREMENT AUCTION

Tuesday, January 28, 2020 at 10:00 A.M. EST

Auction to be held at the farm near Van Buren, Indiana. Physical Address: 3815 N 900 E (State Rd 5) Van Buren, Indiana. Directions: From downtown Van Buren 4 way stop (Main St. & State Rd. 5) travel south approximately ¾ mile To farm. Watch for auction day signs.

TRACTORS: 2015 Case-IH Magnum 290 MFWD tractor, PS trans., 4 hyd. outlets, 480/80R46 rear tires and duals, 380/85R34 front tires and duals, weights, deluxe cab, leather trim, 1,472 hours, SN ZBRD08175; 1998 Case-IH 9370 Steiger 4wd tractor, 24 spd. SynchroShift trans., 4 hyd. outlets, 520/85R42 tires and duals (Like New, 6,445 hours, SN JEE0071527; Case-IH 9170 4wd tractor, PS trans., 4 hyd. outlets, 23.1-34 tires and duals, 6,652 hours – 1,689 hours on overhaul, SN JCB0003764.

COMBINE & HEADS: 2002 Case-IH 2388 4wd combine, 30.5L-32 drive tires, 18.4x26 steer tires, field tracker, rock trap, chopper, dual spreader, bin ext., 4,380 eng./2,905 sep. hours, SN JJC0270658; 2008 Case-IH 1020 30' platform, hyd. fore and aft, SN CBJ044155; 2010 Case-IH 3208 8 row 30" corn head, hyd. deck plates, SN YAS023279; Unverferth HT30 30' head cart; Unverferth HT25 25' head cart.

TILLAGE: Case-IH RMX 340 31' disk, rock flex, rear hitch, 7.5" spacing; Case-IH 4200 34' soil finisher, hyd. disc gang, knock on shovels, rear hitch, 5-bar harrow Case-IH 4300 30' field cultivator, single bar Remlinger harrow, rear hitch; Glenco 11-shank disc chisel; Unverferth 1225 30' rolling harrow; Unverferth 1225 34' rolling harrow; Case-IH 30' rotary hoe.

PLANTER & SEEDER: 2005 John Deere 1790 16/32 row planter, CCS, ground drive, vacuum, no-till coulters, pneumatic down pressure, seed firmers, dual cast closing wheels, liquid fertilizer, SN A01790C710231; Unverferth 200 Seed Pro 2-box tender, bumper hitch, tandem axle

TRUCKS & TRAILERS: 1994 Peterbilt 377 semi, sleeper, Detroit 60 series 430 hp. eng., Eaton 10-spd. trans., 845,171 miles, VIN 1XP-CDR8X-4-RD365079; 1996 Timppe 40' hopper bottom trailer, roll tarp, spring ride, VIN 1TDH4002XVB090732; IH 4900 grain truck, DT466 eng., 7-spd. trans., tandem axle, single drive axle, air tag axle, roll tarp, 45,626 miles.

GRAIN HANDLING: Brent 772 grain cart, roll tarp, 30.5L-32 tires; J&M 350 gravity wagon, J&M running gear, ext. tongue, w/ Clay seed conveyor, self-contained hyd. system; Killbros gravity wagon, center dump; 500 bu. gravity wagon, 2-compartment.

FARM SUPPORT ITEMS: 150 gal. fuel transfer tank w/ 12V pump; Katolight MDL 35L-R1 Generator, PTO, with transport cart; (3) Kenwoods 2-way radios w/repeater; (4) Uniden 2-way radios; Craftsman air compressor; Pallet of horse stall mats; Saddle tanks for Steiger w/brackets; Pair of old saddle tanks w/ brackets; Frost free cattle waterer.

AFTER A LIFETIME OF FARMING, LARRY HAS DECIDED TO SLOW DOWN AND RETIRE. ALL EQUIPMENT HAS BEEN WELL MAINTAINED!
Larry & Judi Pattison – Owners

EQUIPMENT QUESTIONS: Larry (765) 661-2653
Auction Manager: Zach Hiner (260) 437-2771

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NO-RESERVE FARM RETIREMENT AUCTION

Tuesday, February 11, 2020 at 10:00 A.M. EST

AUCTION TO BE HELD AT THE FARM APPROXIMATELY 8 MILES WEST OF MARION, INDIANA.

TRACTORS: 2012 JD 9460R 4WD tractor, PS trans., 4 hyd. outlets, std. flow hyd., 700/70R42 Michelin tires w/duals, bareback, HID lights, weights, premium cab w/7" display, leather trim, power mirrors, 2,574 hours, SN 1RW9460RHCP002791; 2010 JD 8295R MFWD tractor, PS trans., 4 hyd. outlets, 44 gpm hyd. pump, 1000 PTO, 480/80R50 rear tires w/duals, 420/85R34 front tires, front fenders, 1300 front axle, weights, deluxe cab w/7" display, leather trim, HID lights, 1,808 hours, SN 1RW8295RPAP006919; 2008 JD 8130 MFWD tractor, PS trans., 4 hyd. outlets, 44 GPM hyd. pump, 1000 PTO, 480/80R46 rear tires w/duals, 420/90R30 front tires, front fenders, weights, deluxe cab, AutoTrac ready, 1,466 hours, SN RW8130P021992; 2015 JD 6170M MFWD tractor, 20 spd. AutoQuad Plus trans. w/left hand reverser, 3 hyd. outlets, 540/1000 PTO, 480/80R46 rear tires, 420/85R30 front tires, sells complete w/JD H380 loader, 97" material bucket, 612 hours, SN 1L06170MJFK820370; 2014 JD 3033R MFWD compact tractor, eHydro trans., 15/19.5 rear tires, 25x8.5-14 front tires, sells complete w/JD loader, 443 hours, SN 1LV3033RCEH110598.

COMBINE & HEADS: 2013 JD S680 4wd combine, ProDrive trans., ContourMaster feederhouse w/CommandTouch 5 spd. drive, chopper w/PowerCast tailboard, 26 SN 1H0S680SHD0757483; 2011 JD 608C 8 row 30" corn head, hyd. deck plates, stalk stompers, SN 1H0608CXEB0741020; 2011 JD 635F 35' HydraFlex platform, high stone dam, SN 1H00635FJB0740968; Unverferth HT36 36' head cart.

PLANTER & SEED TENDERS: 2015 JD 1795 CCS 16/32 planter, center fill, ground drive, vacuum, MaxEmerge 5 row units, ProShaft cable drives, Active Pneumatic Downforce w/hyd. compressor, SeedStar XP monitoring (less display), no-till coulters, markers, SN 1A01795CCEA760183 – one owner; Unverferth 3750 seed tender, scales, wireless remote, triple axle, bumper hitch; JM 375ST 'Speed Tender' seed tender, scales, wireless remote, triple axle, bumper hitch.

TILLAGE EQUIPMENT: Case-IH 875 9-shank disc-ripper, rear levelers & rolling basket, hyd. fold, like new, SN YJ90857042013; JD 2310 39' 9" soil finisher, 6 bar spike-tooth harrow, gauge wheels, rear hitch w/hyd. outlet, knock-on shovels, single point depth control, SN 1N02310XJD0750433; J&M TF215 42' double rolling harrow, SN 2410.

GRAVITY WAGONS & AUGERS: Brent 444 gravity wagon, lights, brakes, roll tarp, 425/65R22.5 truck tires; Killbros 385 gravity wagon on Killbros 1280 gear; DMI 400 bu gravity wagon; 150 bu gravity wagon; Harvest International 1072 10"x72' swing-away auger, SN 01442; KSI 1208-25 belt conveyor, electric motor.

TRUCKS & TRAILERS: 2007 Kenworth T800 daycab semi, Cat C15 eng., Eaton 10 spd. trans., 22.5" alum. wheels, air slide 5th wheel, air ride cab, 176" wheelbase, 588,386 miles, VIN 2XKDD9X77M181746; 2005 Freightliner grain truck, Business Class M2, twinscrew w/air tag, Cat eng., Eaton 10 spd. trans., 22.5" aluminum wheels, Reiter 20' alum. bed w/cargo doors & grain door, roll tarp, 431,320 miles; 2002 Freightliner FL80 grain truck, tandem axle, Cat eng., Eaton 10 spd. trans., 22.5" aluminum wheels, Reiter 20' alum. bed w/cargo doors & grain door, roll tarp, 155,721 miles; 2014 Wilson 39' hopper bottom trailer, Ag hoppers, air ride, roll tarp, alum. wheels; 2005 Wilson 39' hopper bottom trailer, Ag hoppers, air ride, roll tarp, alum. wheels.

MISCELLANEOUS & FARM RELATED: 2011 JD HX15 15' batwing mower, laminated tires, 1000 PTO, SN 1P0HX15FAAT029502; Frontier GM1072E 72" 3-pt. finish mower; JD GS3 2630 display; Misc. JD weights.

Ted Oyler (765) 661-6363

Auction Manager: Zach Hiner (260) 437-2771

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