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Pest-free environment helps 80 Acres Farms become kosher certified

By Celeste Baumgartner
Ohio Correspondent

HAMILTON, Ohio – 80 Acres Farms is now kosher certified. The controlled growing environment at this indoor, vertical farm is ideal for meeting kosher standards. Kosher produce has to be free of bugs, and that includes those you cannot see through a regular visual inspection.

Rabbi Lazer Fischer, Rabbinical coordinator, and Rabbi Avrohom Weinrib, Rabbinical administrator, both with Central Kosher/Cincinnati Kosher, recently inspected the farm.

“Kosher is a diet, a style of eating,” Fischer said. “Jews and plenty of people that are not affiliated with Judaism like the kosher diet and the kosher-style of eating. Kosher is not just a set of rules, it is all about the quality, making

80 Acres continued on page 2

Below: David Litvin, 80 Acres crop specialist, grew up in an orthodox Jewish home. It is meaningful for him to have kosher certification on the produce he grows. The complexity and restrictions needed for kosher certification demonstrated how the farm’s technology prioritizes traceability and purity. Photo credit Nick Graham / Journal-News.



Above: Despite weather that has included late April snow and early May frost advisories in Indiana, morels are still thriving. Photo by Leondia Walchle

Study finds significant health benefits of using biodiesel

By Doug Schmitz
Iowa Correspondent

JEFFERSON CITY, Mo. – A new study sponsored by the National Biodiesel Board found switching to biodiesel results in significant health benefits such as decreased cancer risk, fewer premature deaths, and reduced asthma attacks.

“We have always known that biodiesel offers a better and cleaner alternative to petroleum diesel,” Donnell Rehagen, National Biodiesel Board CEO, told reporters during an April 29 virtual news conference, the day of the study’s release.

Rehagen joined Floyd Vergara, board director of state governmental affairs, and Matt Herman, board director of environmental science, to present the findings.

“This study quantifies the health benefits and shows that by using renewable fuels like biodiesel and renewable diesel, we are bringing positive change to people’s lives, the nation’s health and the economy,” Rehagen said.

Conducted by Trinity Consultants, the study is sponsored by the National Biodiesel Board with support from the Nebraska Soybean Board, South Dakota Soybean Research & Promotion Council, California Advanced Biofuels Alliance, Iowa Soybean Board, and the Wisconsin Soybean Marketing Board.

Trinity Consultants specialize in air dispersion modeling, and related health risk assessments.

“The study used well-established EPA air dispersion modeling tools, coupled with health risk



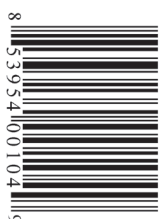
Above: A new study sponsored by the National Biodiesel Board found switching to biodiesel results in significant health benefits such as decreased cancer risk, fewer premature deaths, and reduced asthma attacks (photo courtesy of Joseph L. Murphy, Iowa Soybean Assoc.).

assessments and benefit valuations to assess the public health benefits, and resulting economic savings of converting from petroleum-based diesel to 100 percent biodiesel, known as B100, in 13 sites and communities in the U.S. exposed to high rates of petroleum diesel pollution,” National Biodiesel Board officials said.

Biodiesel is a readily available, low-carbon, renewable fuel made from a diverse mix of resources such as recycled cooking oil, soybean oil and animal fats, according to the board.

Vergara said, “For the 13 sites that were evaluated, the study shows that switching to 100 percent biodiesel in the home heating and trans-

Biodiesel continued on page 3



Jen Sorenson new
National Pork Producers
Council president
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• ITC investigates whether imports affecting US cucumbers, squash Page 4
• Urban and small-scale farmers receive tips on soil health management. Page 10

80 Acres

FROM PAGE 1

sure that what is supposed to be in the product is in the product.”

Kosher foods are a \$24 billion market, Fischer said. Research shows that if a kosher product is positioned next to a competing non-kosher brand, a kosher product will do 20 percent better than the competing brand. Consumers of kosher foods include Jews, Muslims, members of other religious denominations and those who equate kosher with superior quality.

“For something to be kosher we have a strict set of rules,” Fischer said. “Included in those rules are we do not eat insects. It is written five times in the Bible not to eat bugs. This is very harsh for us. It means a lot.”

One can't see those bugs just by looking, Fischer said. Plain lettuce is almost guaranteed to have them. Those who eat kosher would have to buy lettuce with the least amount of infestation. Typically, those are the ones with the most pesticides. Then they soak it in a soapy solution, rinse, and repeat the procedure a couple of times. After the last rinse, they collect the water and run it through a very fine mesh.

Next, they would put that mesh on a lightbox, he explained. They examine what remains in the mesh. Only a trained eye can tell what is a bug; sometimes what looks like dirt has legs.

“Once you find the mesh clean

Below: 80 Acres Farms produce has been certified insect free and Pareve by Central Kosher. Rabbi Avrohom Weinrib, left, and Rabbi Lazer Fischer inspected the facility and performed tests to verify products were insect free. courtesy of Cox media

Right: Kosher foods are a \$24 billion market. Research shows that if a kosher product is positioned next to a competing non-kosher brand, a kosher product will do 20 percent better than the competing brand. courtesy of Cox media

then we are allowed to eat the lettuce,” Fischer said. “That’s why a lot of people don’t eat lettuce. Tomatoes and cucumbers don’t have a problem so we make a salad out of something else. It gets very complicated. Either we’re eating soap or we eating pesticides up until now.”

The crops at 80 Acres are grown in a sealed zone with little human interaction. It is insect-free. Fischer tested 70 harvests and there was no infestation. He sent samples to the best experts in the field at checking for insects and they were blown away that they found none.

The kosher certification is not a one-time approval, said Monica Noble, 80 Acres director of quality.

“It is important to note that we can achieve this pest-free environment without the use of pesticides commonly used in traditional farming,” she said. “The kosher certification is not a one-time approval but will be evaluated about once a week.”

David Litvin, the farm’s crop specialist, grew up in an orthodox Jewish home.

“Having a kosher certification on the produce I grow is meaningful to me,” he said. “The complexity and restrictions behind receiving a kosher certification demonstrate how 80 Acres prioritizes our producer’s traceability and purity.”

For Fischer, it is a breakthrough.

“My wife can open a package of lettuce and put it in the bowl,” he said. “It is like a gift from God. He gave us a vertical farm and we can start eating the lettuce. It’s a good tasting lettuce, the nutrition, the quality is amazing.”



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Biodiesel

FROM PAGE 1

portation sectors would annually prevent up to 340 premature deaths, 46,000 fewer sick days, and \$3 billion in avoided health care costs."

Herman said, "The greenhouse gases have tended to dominate the conversation around biodiesel and other transportation alternatives and these conversations have unfortunately drowned out the other significant benefits of the fuel, mainly its ability to reduce harmful air pollutants."

"So, while the greenhouse gas reductions are very important for global implications, improving air quality has a much more local, much more personal benefit," he added. "Communities which suffer from poor air quality tend to be located in areas nearby high volumes of diesel traffic such as ports, shipping and logistics centers, and other transit hubs. Biodiesel is a highly sustainable solution that's available for use today."

In the transportation sector, the study found benefits included a potential 45 percent reduction in cancer risk when heavy-duty trucks such as semis use 100 percent biodiesel, and 203,000 fewer or lessened asthma attacks.

When Bioheat®, an ultra-low sulfur fuel made from 100 percent biodiesel, is used in place of petroleum heating oil, the study found an 86 percent reduced

cancer risk, and 17,000 fewer lung problems.

The study also considered the economic cost of premature deaths, asthma cases, reduced activity due to poor health, and work impacted due to sick days. For example, researchers found the communities surrounding the Port of Los Angeles/Long Beach would avoid about \$1.69 billion in health costs due to improved air quality in the form of reduced premature deaths and health care costs and increased productivity.

Rehagen said 100 percent biodiesel can achieve these benefits by reducing pollution from markets that are hardest to decarbonize: heavy-duty transportation and residential heating.

"Saving lives by reducing the health impacts of transportation and home heating fuels is a priority, and biodiesel is widely available today to achieve that goal," he said. "These immediate and substantial emissions and health benefits can and should be an important part in any state, regional or national climate program as our nation moves toward decarbonization through advanced alternative fuels like biodiesel and renewable diesel."

According to the study, Trinity Consultants identified the communities believed to be most impacted by the emission sources modeled and has highlighted the benefits of biodiesel to those specific communities to the degree possible. The study said communities and sources were selected to be as representative as possible of the broad range of facilities and sources that use large volumes of petroleum diesel or are impacted by its use.

"The immediacy of these potential health benefits, especially for disadvantaged communities, is even more critical when one considers the years it will take for states to pursue deep electrification and other decarbonization strategies," he added.

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ITC investigates whether imports affecting US cucumbers, squash

By Kevin Walker
Michigan Correspondent

WASHINGTON, D.C. - The International Trade Commission (ITC) has started an investigation into whether imports of cucumbers and squash are undercutting the profits of domestic growers.

A lot of groups and states are pushing the ITC to do more with perishable commodities, said John Kran, the Michigan Farm Bureau's national legislative liaison. He said the ITC has agreed to hold hearings about cucumbers and squash. Michigan and some states in the Southeast are the main growers of these products.

"Every situation is a little unique, but the foreign goods coming in are affecting prices growers are getting, whether it's onions, cucumbers, squash or whatever," Kran said. "It's not a new issue, but we're finally getting the ear of the new administration. It's possible we could see other crops come up there as well. We're hoping there can be some movement in this area so growers can finally get some relief." Kran added that the Biden administration has also encouraged various administrators in the federal government to 'buy American,' such as for federal food purchases.

The U.S. Trade Representative (USTR) Robert Lighthizer got the ball rolling in December when he asked the ITC to start an investigation into unfair trade practices related to cucumbers and squash. The departments of agriculture, commerce, and the USTR hosted hearings last year into a possible plan to support prices for American producers of fruits and vegetables. Lighthizer said



they received more than 300 written comments and took testimony from over 60 witnesses during two days of hearings.

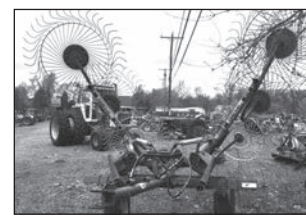
In another letter to the ITC dated April 6, 30 members of the House of Representatives expressed their support for the investigation. "Seasonal cucumber and squash imports from Mexico continue to dramatically impact U.S. markets and threaten the future of domestic farm production of perishable produce," the letter states. "Import data from land grant universities and state departments of agriculture affirm that seasonal imported squash and cucumbers negatively impact our vegetable growers, their markets, and communities."

But not all U.S. growers support the investigation, according to Audrey Sebolt, the horticulture specialist at the Michigan Farm Bureau. That's because some of the larger growers, for example in California, also have farms in Mexico. Sebolt said she has a little more hope now about the investigation, because recently the Mexican supreme court

Cucumbers continued on page 8



New Holland Workmaster 55 MFD, very good \$25,900



Gehl 418 wheel rake, good condition \$1,950



Kubota B3200HSD, 32 hp, hydro trans., 4WD, w/LA534 loader, 250 hrs., very nice, \$16,900



John Deere 630 mower conditioner, impeller conditioner, 540 PTO \$15,900



NH TN 75 MFD ldr., 3 valves, 2300 hrs., very good \$29,900



JD 3032E, hydro, 300 hrs., loaded w/QA bucket, exc. \$17,900



Kubota BX2360, w/soft side cab, 60" blade w/hyd. lift & angle, good \$7,500



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NH 575 square baler, always housed, quarter turn chute, excellent!, \$14,500

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- Kubota L4310 GST, glide shift trans., loader, 2000 hrs., fair condition. \$11,500
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- International 234 Hydro, low hours, Woods belly mower, very good \$2,900

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MARKETS

Blue Grass Stockyards Lexington, KY

Livestock Weighted Average Report for 5/3/2021 - Final

	This Week	Last Reported 4/26/2021	Last Year
Total Receipts:	833	1,019	775
Feeder Cattle:	653(78.4%)	822(80.7%)	667(86.1%)
Slaughter Cattle:	159(19.1%)	126(12.4%)	98(12.6%)
Replacement Cattle:	21(2.5%)	71(7.0%)	10(1.3%)

Compared to last Monday feeder steers sold steady to 2.00 lower with moderate demand on an average through good quality offering. Feeder heifers under 600 lbs sold mostly 2.00 to 4.00 lower with moderate demand. Yearlings limited comparison. Slaughter cows sold steady with moderate demand. Slaughter bulls sold 2.00 higher with good demand. Supply included: 78% Feeder Cattle (40% Steers, 35% Heifers, 25% Bulls); 19% Slaughter Cattle (6% Heifers, 84% Cows, 10% Bulls); 3% Replacement Cattle (21% Stock Cows, 64% Bred Cows, 14% Cow-Calf Pairs). Feeder cattle supply over 600 lbs was 49%.

Groups of 20 head or more:

Steers

60 head 863 lbs 126.00 Bwff
58 head 977 lbs 117.50 Mixed

FEEDER CATTLE

STEERS - Medium and Large 1-2 (Per Cwt / Actual Wt)

Head	Wt Range	Avg Wt	Price Range	Avg Price
5	305-342	321	152.00-160.00	155.64
6	382-395	390	152.00-171.00	164.61
2	440	440	154.00	154.00
9	400-427	410	158.00-170.00	166.34 Value Added
7	452-457	454	147.00-156.00	150.44
8	458	458	165.50	165.50 Value Added
2	505-520	513	145.00-154.00	149.43
8	508-519	515	157.00-165.00	162.04 Value Added
7	562-570	568	144.00-150.50	148.66
7	555	555	165.00	165.00 Value Added
7	607-646	624	138.00-140.00	139.11 Value Added
1	735	735	125.00	125.00
8	702-730	711	127.00-130.00	128.26 Value Added
7	760-768	766	125.00-126.00	125.72
5	768	768	128.00	128.00 Value Added
2	842	842	121.00	121.00
66	862-863	863	120.25-126.00	125.48
58	977	977	117.50	117.50

STEERS - Medium and Large 2-3 (Per Cwt / Actual Wt)

Head	Wt Range	Avg Wt	Price Range	Avg Price
1	505	505	134.00	134.00
4	593	593	130.00	130.00
1	780	780	115.00	115.00

STEERS - Large 1-2 (Per Cwt / Actual Wt)

Head	Wt Range	Avg Wt	Price Range	Avg Price
2	515	515	151.00	151.00
2	642	642	127.00	127.00

HEIFERS - Medium and Large 1-2 (Per Cwt / Actual Wt)

Head	Wt Range	Avg Wt	Price Range	Avg Price
1	240	240	147.50	147.50
1	295	295	142.00	142.00
2	312	312	140.00	140.00
4	315-347	335	150.00	150.00 Value Added
4	365-385	373	130.00-135.00	132.52
2	370-375	373	146.00	146.00 Value Added
8	400-445	417	126.00-136.00	130.34
18	403-446	425	137.00-146.00	143.36 Value Added
22	452-492	478	126.00-137.00	133.15
4	451-455	452	138.00-144.00	139.51 Value Added
3	515-525	520	120.00-129.00	125.01
11	500-508	505	132.00-135.00	134.19 Value Added
19	550-575	560	120.00-129.00	125.21
5	551	551	130.00	130.00 Value Added

20	605-645	6	28	109.00-117.00	113.06
5	650	650		113.00	113.00
8	727-740	732		103.00-108.00	106.63
3	815-837	830		85.00-93.00	87.62
1	900	900		91.00	91.00
1	960	960		88.00	88.00
6	975	975		91.00	91.00 Guaranteed Open
1	1025	1025		87.00	87.00

HEIFERS - Medium and Large 2-3 (Per Cwt / Actual Wt)

Head	Wt Range	Avg Wt	Price Range	Avg Price
1	355	355	125.00	125.00
1	440	440	125.00	125.00
2	465-490	478	117.00-126.00	121.62
6	505-532	518	114.00-122.00	117.23
5	555-590	573	116.00-120.00	118.35
2	615	615	105.00	105.00
3	670-690	678	100.00-107.00	103.37
3	710-745	723	97.00-102.00	98.97
1	780	780	82.00	82.00
1	815	815	82.00	82.00

HEIFERS - Large 1-2 (Per Cwt / Actual Wt)

Head	Wt Range	Avg Wt	Price Range	Avg Price
1	425	425	128.00	128.00
1	475	475	127.00	127.00
11	547	547	130.00	130.00 Value Added
7	669	669	107.00	107.00

HEIFERS - Small and Medium 1-2 (Per Cwt / Actual Wt)

Head	Wt Range	Avg Wt	Price Range	Avg Price
1	425	425	110.00	110.00

BULLS - Medium and Large 1-2 (Per Cwt / Actual Wt)

Head	Wt Range	Avg Wt	Price Range	Avg Price	
2	255-280	268	150.00-151.00	150.48	
7	300-340	323	141.00-155.00	149.77	
8	350-387	367	142.00-152.00	148.09	
10	400-447	436	140.00-149.00	146.21	
3	400-440	422	150.00-156.00	152.23 Fancy	
14	452-495	470	140.00-148.00	145.79	
5	460-492	478	150.00-156.00	153.20 Fancy	
4	500-540	516	136.00-143.00	138.48	
15	502-536	531	145.50-149.00	145.94 Value Added	
12	550-595	573	134.00-143.50	139.10	
5	625-635	632	120.00-126.00	124.60	
13	600-645	613	126.00-135.00	131.48 Value Added	
13	650-690	672	121.00-124.00	122.62	
10	705-727	713	111.00-117.00	113.19	
2	750-780	765	112.00-113.00	112.51	
3	832-840	8	35	102.00-107.00	103.68
3	882-885	883	80.00-104.00	88.02	
1	910	910	90.00	90.00	
1	1020	1020	90.00	90.00	

BULLS - Medium and Large 2-3 (Per Cwt / Actual Wt)

Head	Wt Range	Avg Wt	Price Range	Avg Price
1	380	380	123.00	123.00
1	430	430	130.00	130.00
2	470-485	478	133.00-135.00	134.02
1	560	560	130.00	130.00
1	660	660	119.00	119.00
1	745	745	101.00	101.00
1	775	775	98.00	98.00
2	840	840	85.00-90.00	87.50

BULLS - Large 1-2 (Per Cwt / Actual Wt)

Head	Wt Range	Avg Wt	Price Range	Avg Price
1	760	760	101.00	101.00

BULLS - Small and Medium 1-2 (Per Cwt / Actual Wt)

Head	Wt Range	Avg Wt	Price Range	Avg Price
1	480	480	120.00	120.00

SLAUGHTER CATTLE

COWS - Choice 2-3 (Per Cwt/Actual Wt)

Head	Wt Range	Avg Wt	Price Range	Avg Price	Dressing
9	1020-1151	1107	93.00-95.00	94.39	Average

COWS - Breaker 75-80% (Per Cwt / Actual Wt)

Head	Wt Range	Avg Wt	Price Range	Avg Price	Dressing
8	1145-1630	1397	63.00-65.00	64.05	Average
32	1210-1780	1509	65.00-78.00	67.72	High

COWS - Boner 80-85% (Per Cwt / Actual Wt)

Head	Wt Range	Avg Wt	Price Range	Avg Price	Dressing
11	1055-1610	1291	60.00-65.00	62.96	Average
43	1060-1595	1318	65.00-76.00	68.50	High
1	1380	1380	55.00	55.00	Low

COWS - Lean 85-90% (Per Cwt / Actual Wt)

Head	Wt Range	Avg Wt	Price Range	Avg Price	Dressing
9	840-1325	1031	52.00-60.00	56.44	Average
10	865-1505	1073	61.00-71.00	64.91	High
6	730-995	896	37.00-50.00	46.09	Low

BULLS - 1-2 (Per Cwt / Actual Wt)

Head	Wt Range	Avg Wt	Price Range	Avg Price	Dressing
1	1780	1780	85.00	85.00	Average
12	1365-2125	1818	93.00-105.00	100.10	High
1	985	985	73.00	73.00	Low

REPLACEMENT CATTLE

STOCK COWS - Medium and Large 1-2 (Per Head / Actual Wt)

Age	Stage	Head	Wt Range	Avg Wt	Price Range	Avg Price
2-8	O	1	815	815	83.00	83.00

STOCK COWS - Medium and Large 2-3 (Per Cwt / Actual Wt)

Age	Stage	Head	Wt Range	Avg Wt	Price Range	Avg Price
2-8	O	2	895-965	930	59.00-66.00	62.63

BRED COWS - Medium and Large 1-2 (Per Head / Actual Wt)

Age	Stage	Head	Wt Range	Avg Wt	Price Range	Avg Price
2-8	T2	2	1150-1350	1250	900.00-1075.00	994.50
2-8	T3	3	1385-1535	1460	800.00-900.00	860.05

BRED COWS - Medium and Large 2-3 (Per Head / Actual Wt)

Age	Stage	Head	Wt Range	Avg Wt	Price Range	Avg Price
2-8	T1	1	885	885	650.00	650.00
2-8	T3	1	975	975	650.00	650.00

BRED COWS - Small and Medium 2-3 (Per Head / Actual Wt)

Age	Stage	Head	Wt Range	Avg Wt	Price Range	Avg Price
2-8	T1	1	885	885	575.00	575.00
2-8	T3	1	900	900	650.00	650.00

COW-CALF PAIRS - Medium and Large 1-2 w/ 150-300 lbs calf (Per Family / Actual Wt)

Age	Stage	Head	Wt Range	Avg Wt	Price Range	Avg Price
2-8	O	1	1315	1315	1000.00	1000.00
5-8	O	1	1365	1365	1025.00	1025.00

Please Note:

The above USDA LPGMN price report is reflective of the majority of classes and grades of livestock offered for sale. There may be instances where some sales do not fit within reporting guidelines and therefore will not be included in the report. Prices are reported on an FOB basis, unless otherwise noted.

Explanatory Notes:

Stage (Cattle) - Represents pregnancy stage (O = open; T1 = 1st Trimester, 1 to 3 months; T2 = 2nd Trimester, 4 to 6 months; T3 = 3rd Trimester, 7 to 9 months; T1-3 = all trimesters, 1 to 9 months; E = Exposed; B = Bred)

Age - Numerical representation of age in years.

Source: USDA AMS Livestock, Poultry & Grain Market News
KY Dept of Ag Market News Bill Holleran
Frankfort, KY | (502) 782-4139 |
www.ams.usda.gov/pgmn
https://mymarketnews.ams.usda.gov
https://mymarketnews.ams.usda.gov/viewReport/2127

Missouri Direct Hay Report Direct Hay Weighted Average Report For week ending Friday, May 7, 2021

Several more reports of farmers cutting and wrapping hay this week as they work around rains. It is still a few weeks away from any traditional baling however. There is a lot of talk going on about pricing new crop hay given the extremely high grain cost and the increased price of inputs such as fuel and fertilizer this year. States to the west are already or perhaps more correctly remain in serious drought conditions which is driving up prices in those areas if any hay can even be found. Hay carry in the state is a mixed bag with some areas having some and other areas being void. The supply of hay is moderate, demand is light to moderate and prices are mostly steady although sales are very limited at this time. The Missouri Department of Agriculture has a hay directory visit <http://mda.mo.gov/abd/haydirectory/> for listings of hay <http://agebb.missouri.edu/haylst/>

HAY (Conventional)

	Price Range
Alfalfa - Supreme (Ask/Per Ton)	
Medium Square 3x3	200.00-250.00
Alfalfa - Supreme (Ask/Per Bale)	
Small Square	7.00-10.00
Alfalfa - Premium (Ask/Per Ton)	
Medium Square 3x3	160.00-200.00
Alfalfa - Good (Ask/Per Ton)	
Large Round	120.00-160.00</

MARKETS

Kentucky Daily Grain Bids

Grain Report for Friday, May 7, 2021

Exchange	Commodity	7/27.75 (May 21)	732.25 (Jul 21)	654.75 (Sep 21)	636.50 (Dec 21)	640.00 (Mar 22)	639.75 (May 22)	636.25 (Jul 22)
CBOT	Corn	1621.00	1589.75	1537.50	1468.50	1433.50	1430.50	1392.75
CBOT	Soybeans	773.50	761.75	762.25	765.25	769.00	762.25	712.75
CBOT	Wheat	405.50	414.50	397.50	394.75	397.00	395.25	395.25
CBOT	White Oats	727.75	736.75	740.50	746.75	752.75	751.50	707.00
KCBT	Wheat	789.00	797.50	802.75	804.25	805.00	805.50	794.50
MGE	Wheat							

FUTURE SETTLEMENTS Closing Settlement Prices (¢/bu) as of 2/19/2021

Region/Location	Basic (¢/Bu)	Basis Change	Price (\$/Bu)	Price Change	Average
Ohio River - Lower KY	30.00N	UNCH	7.6225	UP 0.1350	7.6225
Ohio River - Lower KY	15.00Z	UNCH	6.5150	UP 0.1100	6.5150
Purchase	48.00N	UP 3.00	7.8025	UP 0.1650	7.8025
Purchase	5.00Z to 20.00Z	UNCH	6.4150-6.5650	UP 0.1100	6.4900

US #2 WHITE CORN (BULK)

Region/Location	Basic (¢/Bu)	Basis Change	Price (\$/Bu)	Price Change	Average
Purchase	30.00N to 40.00N	UNCH	7.6225-7.7225	UP 0.1350	7.6725
Purchase	-15.00Z to -2.00Z	UNCH	6.2150-6.3450	UP 0.1100	6.2800
Green River	55.00N	UNCH	7.8725	UP 0.1350	7.8725
Green River	5.00Z	UNCH	6.4150	UP 0.1100	6.4150
Pennyrile	40.00N to 55.00N	DN 10.00-UNCH	7.7225-7.8725	UP 0.0350-UP 0.1350	7.7975
Pennyrile	-15.00Z to -5.00Z	DN 5.00	6.2150-6.3150	UP 0.0600	6.2650
Louisville	55.00N	UNCH	7.8725	UP 0.1350	7.8725
Louisville	-5.00Z	UNCH	6.3150	UP 0.1100	6.3150
Bluegrass	10.00N	UNCH	7.4225	UP 0.1350	7.4225
Bluegrass	-25.00Z	UNCH	6.1150	UP 0.1100	6.1150

Region/Location	Basic (¢/Bu)	Basis Change	Price (\$/Bu)	Price Change	Average
Ohio River - Upper KY	53.00N	DN 2.00	7.8525	UP 0.1150	7.8525
Ohio River - Upper KY	-7.00Z	DN 2.00	6.2950	UP 0.0900	6.2950
Ohio River - Lower KY	60.00N	UNCH-DN 5.00	7.9225	UP 0.1350-UP 0.0850	7.9225
Ohio River - Lower KY	10.00Z to 12.00Z	UNCH	6.4650-6.4850	UP 0.1100	6.4750
Purchase	33.00N to 63.00N	UNCH	7.6525-7.9525	UP 0.1350	7.8258
Purchase	-8.00Z to 23.00Z	UNCH	6.2850-6.6275	UP 0.1100-UP 0.0925	6.4881

US #2 SORGHUM (BULK)

Region/Location	Basic (¢/Bu)	Basis Change	Price (\$/Bu)	Price Change	Average
Ohio River - Lower KY	180.00N	UNCH	9.1225	UP 0.1350	9.1225
Ohio River - Lower KY	80.00Z	UP 5.00	7.1650	UP 0.1600	7.1650
Purchase	94.00Z	UNCH	7.3050	UP 0.1100	7.3050

US #1 SOYBEANS (BULK)

Region/Location	Basic (¢/Bu)	Basis Change	Price (\$/Bu)	Price Change	Average
Purchase	30.00N to 55.00N	UNCH-DN 3.00	16.1975-16.4475	UP 0.2025-UP 0.1725	16.3142
Purchase	5.00X	UNCH	14.3850	UP 0.2450	14.3850
Green River	40.00N	UNCH	16.2975	UP 0.2025	16.2975
Green River	-15.00X	UNCH	14.1850	UP 0.2450	14.1850
Pennyrile	15.00N to 30.00N	UNCH	16.0475-16.1975	UP 0.2025	16.1225
Pennyrile	-25.00X to -10.00X	UNCH	14.0850-14.2350	UP 0.2450	14.1600
Louisville	0.00N	UNCH	15.8975	UP 0.2025	15.8975
Louisville	-56.00X	UNCH	13.7750	UP 0.2450	13.7750
Bluegrass	0.00N	UNCH	15.8975	UP 0.2025	15.8975
Bluegrass	-45.00X	UNCH	13.8850	UP 0.2450	13.8850

Region/Location	Basic (¢/Bu)	Basis Change	Price (\$/Bu)	Price Change	Average
Ohio River - Upper KY	47.00N	DN 9.00	16.3675	UP 0.1125	16.3675
Ohio River - Upper KY	-4.00X	DN 2.00	14.2950	UP 0.2250	14.2950
Ohio River - Lower KY	55.00N to 66.00N	UNCH-DN 1.00	16.4475-16.5575	UP 0.2025-UP 0.1925	16.5208
Ohio River - Lower KY	10.00X to 30.00X	UNCH-DN 3.00	14.4350-14.6350	UP 0.2450-UP 0.2150	14.5100
Purchase	28.00N to 60.00N	UNCH	16.1775-16.4975	UP 0.2025	16.3608
Purchase	0.00X to 24.00X	DN 3.00-UNCH	14.3350-14.5750	UP 0.2150-UP 0.2450	14.4700

US #1 MILLING SOFT RED WINTER WHEAT FOOD GRADE (BULK)

Region/Location	Basic (¢/Bu)	Basis Change	Price (\$/Bu)	Price Change	Average
Pennyrile	15.00N	UNCH	7.7675	UP 0.0850	7.7675
Pennyrile	10.00N	UNCH	7.7175	UP 0.0850	7.7175

US #2 SOFT RED WINTER WHEAT (BULK)

Region/Location	Basic (¢/Bu)	Basis Change	Price (\$/Bu)	Price Change	Average
Purchase	0.00N to 10.00N	UNCH	7.6175-7.7175	UP 0.0850	7.6675
Green River	-15.00N	UNCH	7.4675	UP 0.0850	7.4675
Pennyrile	0.00N	UNCH	7.6175	UP 0.0850	7.6175
Pennyrile	-35.00N to -10.00N	UNCH	7.2675-7.5175	UP 0.0850	7.3925
Louisville	-48.00N	UNCH	7.1375	UP 0.0850	7.1375
Bluegrass	-25.00N	UNCH	7.3675	UP 0.0850	7.3675

Region/Location	Basic (¢/Bu)	Basis Change	Price (\$/Bu)	Price Change	Average
Ohio River - Upper KY	2.00N		7.6375		7.6375
Ohio River - Lower KY	12.00N to 15.00N	UNCH-DN 5.00	7.7375-7.7675	UP 0.0850-UP 0.0350	7.7550
Purchase	15.00N to 20.00N	UNCH	7.7675-7.8175	UP 0.0850	7.7925

Source: USDA-AMS Livestock, Poultry & Grain Market News
KY Dept. of Ag Market News-Kevin Bowling, Market Reporter
Frankfort, KY - (502) 782-4139
www.ams.usda.gov/lpgmn

<https://mymarketnews.ams.usda.gov/> | <https://mymarketnews.ams.usda.gov/viewReports/2892>

Daily Livestock Slaughter Under Federal Inspection

	Friday, May 7, 2021			
	CATTLE	CALVES	HOGS	SHEEP
Friday 05/07/2021	111,000	1,000	462,000	7,000
Week ago	115,000	1,000	470,000	6,000
Year ago (act)	89,000	2,000	340,000	7,000
Week to date	581,000	8,000	2,393,000	36,000
Same Period Last Week	592,000	8,000	2,403,000	37,000
Same Period Last Year (act)	429,000	7,000	1,571,000	40,000

Saturday 05/08/2021	57,000	0	15,000	1,000
Week ago	57,000	0	51,000	0
Year ago (act)	45,000	0	232,000	0
Week to date	638,000	8,000	2,408,000	37,000
Same Period Last Week	649,000	8,000	2,454,000	37,000
Same Period Last Year* (act)	476,000	7,000	1,804,000	40,000
2021 Year to Date	11,592,000	131,000	46,467,000	687,000
2020 *Year to Date	11,059,000	173,000	45,862,000	670,000
Percent change	4.8%	-24.1%	1.3%	2.6%

2021 *Totals subject to revision

2020 *Totals adjusted to reflect NASS revisions

Yearly totals may not add due to rounding

Previous day	Steer and Heifer	Cow and Bull
Thursday	90,000	25,000

Revised Thursday Sheep Slaughter...5,000 New Week to Date...29,000

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

Weekly National Sheep Summary

For the Week Ending Friday, May 7, 2021

Weekly Trends: Compared to last week slaughter lambs mostly steady to 30.00 lower, except at San Angelo, TX 10.00-15.00 higher; slaughter ewes steady to 10.00 lower; no comparison on feeder lambs. At San Angelo, TX 7972 head sold. Equity Cooperative Auction sold 450 feeder lambs in Montana. In direct trading slaughter ewes and feeder lambs were not tested. 5,503 lamb carcasses traded with no trend due to confidentiality. All sheep sold per hundred weight (CWT) unless specified.

Slaughter Lambs: Choice and Prime 2-3:
San Angelo: woolled and shorn 105-165 lbs 150.00-174.00.
New Holland, PA: woolled and shorn 100-135 lbs 215.00-292.00.

Ft. Collins, CO: woolled and shorn 100-150 lbs 230.00-280.00.
South Dakota: woolled and shorn 110-155 lbs 190.00-220.00.

Kalona, IA: woolled and shorn 100-115 lbs 255.00-272.50.
Billings, MT: woolled and shorn 100-145 lbs no test.

Missouri: woolled and shorn 105-150 lbs no test.
Equity Coop: no sales.

Slaughter Lambs: Choice and Prime 1-2:
San Angelo: hair 40-60 lbs 286.00-300.00, few 302.00-308.00; 60-70 lbs 280.00-298.00, few 300.00-304.00; 70-80 lbs 256.00-288.00, few 292.00-294.00; 80-90 lbs 250.00-272.00, few 279.00-280.00; 90-105 lbs 240.00-262.00. woolled and shorn 40-60 lbs 288.00-291.00; 60-70 lbs 290.00-292.00; 70-80 lbs 274.00-276.00.

New Holland: woolled and shorn 40-50 lbs 285.00-335.00; 50-60 lbs 300.00-340.00; 60-70 lbs 285.00-350.00; 70-80 lbs 270.00-330.00, few 330.00-340.00; 80-90 lbs 275.00-320.00, few 330.00-340.00; 90-100 lbs 285.00-325.00, few 330.00-345.00. hair 40-50 lbs 270.00-335.00; 50-60 lbs 290.00-325.00; 60-70 lbs 275.00-330.00; 70-80 lbs 270.00-310.00, few 335.00; 80-90 lbs 265.00-290.00; 90-100 lbs 255.00-285.00, few 320.00.

Ft. Collins: woolled and shorn 40-50 lbs 235.00-290.00; 50-60 lbs 230.00-260.00; 60-70 lbs 235.00-260.00; 70-80 lbs 260.00-270.00; 80-90 lbs 250.00-270.00; 90-100 lbs 255.00-275.00. hair 42 lbs 210.00; 50-60 lbs 235.00-255.00; 60-70 lbs 200.00-252.50; 70-80 lbs 252.50-255.00; 90-100 lbs 235.00-255.00.

Kalona: woolled and shorn 50-60 lbs 270.00-285.00; 60-70 lbs 265.00-281.00; 70-80 lbs 267.50-280.00; 80-90 lbs 272.00-286.00; 90-100 lbs 270.00-276.00. hair 67 lbs 270.00; 72 lbs 265.00; 81 lbs 277.50.

South Dakota: woolled and shorn 48 lbs 247.50; 50-60 lbs 245.00-270.00; 60-70 lbs 235.00-265.00; 70-80 lbs 247.50-275.00; 80-90 lbs 230.00-260.00; 90-100 lbs 246.00-250.00.

Billings: no test.
Missouri: woolled and shorn 40-50 lbs 250.00-280.00; 50-60 lbs 250.00-265.00;

Direct Trading: No sales.
Feeder Lambs: Medium and Large 1-2: no test.
San Angelo: 46 lbs 255.00; 50-60 lbs 247.50-270.00; 60-70 lbs 230.00-267.50; 70-80 lbs 255.00-270.00; 89 lbs 270.00.

South Dakota: 20-30 lbs 280.00-315.00; 30-40 lbs 250.00-310.00; 40-60 lbs 245.00-285.00; 60-70 lbs 255.00-278.00; 73 lbs 269.00; 90-100 lbs 121.00-247.00.
Kalona: 28 lbs 250.00; 30-40 lbs 289.00-309.00; 40-50 lbs 277.50-289.00.

Billings: no test.
Missouri: no test.
Equity Coop: 95 lbs 234.75.
Replacement Ewes: Medium and Large 1-2: mixed age hair 95-145 lbs 148.00-170.00/cwt.

Ft. Collins: no test.
South Dakota: bred lambs 315.00/head; bred yearlings 310.00/head; bred young 175.00-317.50/head; bred middle age 205.00-250.00/head; bred aged 175.00-295.00/head.

Kalona: no test.
Billings: no test.
Missouri: no test.

Sheep and lambs slaughter under federal inspection for the week to date totaled 37,000 compared with 37,000 last week and 40,000 last year.

Source: USDA AMS LPG Market News, San Angelo, Texas
Rebecca Sauder, 325-653-1778
www.ams.usda.gov/lpgmn

South Dakota: woolled and shorn 48 lbs 247.50; 50-60 lbs 245.00-270.00; 60-70 lbs 235.00-265.00; 70-80 lbs 247.50-275.00; 80-90 lbs 230.00-260.00; 90-100 lbs 246.00-250.00.

Billings: no test.
Missouri: woolled and shorn 40-50 lbs 250.00-280.00; 50-60 lbs 250.00-265.00;

San Angelo: 46 lbs 255.00; 50-60 lbs 247.50-270.00; 60-70 lbs 230.00-267.50; 70-80 lbs 255.00-270.00; 89 lbs 270.00.

South Dakota: 20-30 lbs 280.00-315.00; 30-40 lbs 250.00-310.00; 40-60 lbs 245.00-285.00; 60-70 lbs 255.00-278.00; 73 lbs 269.00; 90-100 lbs 121.00-247.00.

Kalona: 28 lbs 250.00; 30-40 lbs 289.00-309.00; 40-50 lbs 277.50-289.00.

Billings: no test.
Missouri: no test.
Equity Coop: 95 lbs 234.75.

Replacement Ewes: Medium and Large 1-2: mixed age hair 95-145 lbs 148.00-170.00/cwt.

Ft. Collins: no test.
South Dakota: bred lambs 315.00/head; bred yearlings 310.00/head; bred young 175.00-317.50/head; bred middle age 205.00-250.00/head; bred aged 175.00-295.00/head.



Trade looks to new crop

We are starting to see more interest in potential new crop U.S. balance sheets and more of an emphasis on corn. A tight new crop soybean carryout is already predicted, but we are now seeing tighter new crop corn estimates as well. In March, the USDA showed a lower than expected corn acreage figure. We have also seen reductions to old crop ending stocks in recent supply and demand reports. Thoughts are this could give us a new crop corn carryout figure of just 1 billion bu (bbu) compared to previous estimates for 1.5 bbu.



MARKET ANALYSIS
By Karl Setzer

totalled 188.2 mbu. This was in line with expectations and put yearly soybean crush at 1.3 bbu. With five months left in the marketing year cumulative crush now stands at 59.4 percent of the yearly projected total. We now need to average a monthly soybean crush of 177.9 mbu to reach our yearly projection of 2.19 bbu. Soy oil stocks at the end of March were tighter than anticipated at 2.25 billion pounds.

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What the United States will see for final acreage this year remains a primary factor in price discovery. We continue to see estimates released on how plantings will be divided with several factors coming into play. One is the price ratio between corn and soybeans which currently stands at 2.5:1 which does not favor one crop over the other. Higher corn fertilizer values favor soybean production, while rotation would indicate more corn plantings. Spring weather may end up being the dominate factor in actual acres, same as it is in many years.

The Census U.S. usage numbers for March have been released with favorable numbers. Corn use for ethanol in the month totaled 420.4 million bu (mbu). This was the highest monthly use number of the calendar year, and the first time 2021 ethanol grind was above the same month in 2020. This was enough to push yearly corn grind to 2.87 billion bu (bbu). Monthly grind now needs to average 421.2 mbu for the remainder of the marketing year to meet the yearly USDA estimate.

Soybean crush in the month of March

The Census export numbers for March were also released and were mixed. March corn exports were a record for the month at 372.75 mbu. This brought yearly corn exports to 1.476 bbu, the second largest export pace on record, just behind 2007-08. Soybean exports for the month totaled 84.4 mbu which was down 49 percent from February and down 11 percent on the year. Soy product exports were also down as interest shifted to South America. Wheat exports totaled 78.9 mbu which was a four-year high for March.

Another region of the globe that is seeing elevated corn demand is Brazil. Brazil is starting to shift away from sugar and more toward corn as a raw stock for ethanol manufacturing. Corn-based ethanol production has increased 58 percent in Brazil and now has a 9 percent market share. Volatility in sugar values and supply is leading the shift toward corn. This has started to put a strain on Brazil's corn balance sheets though and is a leading reason why Brazil has exhausted its corn supply in recent years. Even with elevated production Brazil will have to reduce exports to maintain adequate domestic reserves.

Setzer continued on page 8

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Cucumbers

FROM PAGE 4

ruled that U.S. potato growers could export more potatoes to Mexico. But domestic growers aren't optimistic, she added. "Growers, they don't ever see us winning a case," she said. "Plus, it costs so much to bring a case like this."

Michigan is number one in the country when it comes to production of processed-pickled cucumbers and consid-

ered second in production of fresh cucumbers, behind only Florida. Michigan is third in production of fresh summer squash and second in fresh winter squash. Sebolt says that domestic producers have an advantage in that they can get their product to market faster than those that must have their produce shipped from farther away.

The ITC is supposed to present a report on its investigation sometime in December.

Setzer

FROM PAGE 7

We are already starting to see estimates on the next production season in South America with larger crops forecasted. Analysts are predicting Brazil 2022 crops at 140 million metric tons (mmt) on soybeans and 115 mmt of corn. Argentine crops are projected at 50 mmt for corn and 56 mmt for soybeans. A return to more normal weather patterns is the primary factor in the larger crops, as are elevated plantings, mainly in Brazil.

One of these estimates came from the USDA attaché. The attaché believes Brazil will seed 99 million soybean acres next year. It is the group's belief that production from this will total 141 mmt. Brazil exports are forecast at 87 mmt from the attaché compared to this year's 85 mmt estimate. This will further narrow the window for the United States to make sales into the global market.

The Bureau of Economic Analysis released some surprising data. According to the bureau, per capital disposable income in the United States hit a record

\$5,513.00 in March. This was also a record gain of \$1,063.00 from February and a large \$1,329.00 from March 2020. This news benefited commodity demand, mainly in the retail meat sector. Boxed beef and pork cut outs have rallied on the consumer spending this increase has generated.

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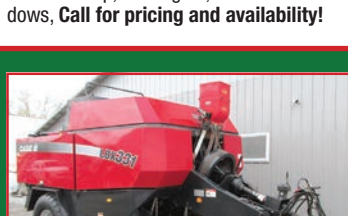
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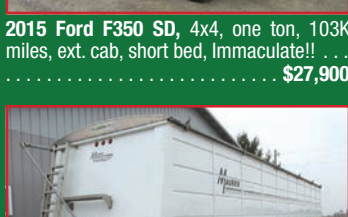
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Urban and small-scale farmers receive tips on soil health management

By Michele F. Mihaljevich
Indiana Correspondent

INDIANAPOLIS - Urban and small-scale farmers should consider such practices as cover crops, crop rotation and no-till to improve their soil's health, the director of the Urban Soil Health Program said recently.

Use of the practices can help control erosion, pests and soil moisture, Elli Blaine said. She participated in a May 3 webinar sponsored by Purdue University's Women in Agriculture team. The Urban Soil Health Program was created earlier this year as a partnership between the Indiana Association of Soil and Water Conservation Districts and the USDA's Natural Resources Conservation Service.

The benefits of soil health include increased plant productivity, reduced weed and pest pressure and increased water filtration, Blaine explained. Soil health is defined as the continued capacity of soil to function as a vital living ecosystem that sustains plants, animals and humans, she said.

"That's a pretty broad definition," Blaine noted. "But it touches upon what those soils are trying to achieve, sustaining all of us, all life. I really love the fact that we have a living ecosystem at that foundation. Soil health is not an end goal. It is, I think, a journey. It's not necessarily where you end up but how we get there together that can help improve that functioning of our soils over time."

As a first step toward managing for improved soil health, she recommended a soil test. "Know what your baseline is," Blaine said. "It can tell you what your nutrient levels are. Most importantly, for me, what your pH is, whether that needs any adjustment and what your organic matter level is."

Successful nutrient management "comes back to soil biology and how much activity and soil life we have in our soils," she pointed out. "So, if we don't have those biological communities of micro-organisms we are unlikely to be able to get the most out of our soils and into our crops."

The four principles of soil health are minimizing disturbance and maximizing soil cover, biodiversity and continuous living roots, Blaine said. To achieve those goals, she suggested the use of mulching and nutrient and pest management techniques in addition to cover crops, crop rotation and no- or low-till farming.

Cover crops, for example, increase the soil's organic matter, prevent soil erosion and reduce tillage and compaction. Crop rotation increases nutrient cycling, holds soil moisture and manages weeds, insects and diseases. Mulching reduces erosion from wind and rain, moderates soil temperatures and reduces dust.

When we think of erosion, Blaine said, "We often don't think about downward erosion. We mostly think about soils washing off our fields. But when we are disturbing those soils often, we can lose some of the space for air and water amongst those soil particles and actually increase downward erosion, whereby those soils are compacting over time."

Cover crops are used by many larger-scale farmers but also work well for smaller operations, whether a few acres or a raised-bed garden, she said. Blaine's "go to" cover crop species for home or small-scale gardens are oats, cereal rye, hairy vetch and crimson clover.

Crop rotation means to grow a diverse number of crops in a planned sequence to increase soil organic matter and biodiversity in the soil, she said.



Above: Lettuce, spinach and potatoes are thriving in this urban garden near Indianapolis. Photo by Jayne Wainscott Stommel

"Most growers, you're probably already doing this. Most growers are doing this intuitively and naturally just based on the small-scale nature of our production. We have to grow a large number of crops in a small space."

Examples of urban and small-scale agriculture are market farms or gardens, community, church or school farms, demonstration or research farms, restaurant or hospital gardens and backyard or home gardens.

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Record seaweed harvest in Maine

FALMOUTH, Maine (AP) — Maine's seaweed farmers are in the midst of a spring harvest that is almost certain to break state records.

America's seaweed farming industry is based principally in Maine, where the business has grown swiftly over the past several years. Atlantic Sea Farms, a Saco company that works with two dozen seaweed farmers, said it's likely to harvest more than 800,000 pounds of the gooey substance this year.

Atlantic Sea Farms accounts for most of the state's seaweed aquaculture, and it harvested about 450,000 pounds in 2020. That was a record at the time, as the entire state accounted for 275,000 pounds in 2019, Maine Department of Marine Resources statistics show.

The seaweed harvest has grown during the coronavirus pandemic because of increased demand for healthy foods, members of the industry said. Seaweed is touted as a health food by foodies, in part because it's high in fiber.

"We're looking at somewhere between 800,000 and 850,000 pounds of kelp. It's a lot," said Jesse Baines, marketing director for Atlantic Sea Farms. "Every once in a while we shake our heads and say — this is a lot."

The seaweed farmers who work with Atlantic Sea Farms grow their crops up and down the Maine coast and typically bring them in to shore

in the spring months, typically ending in June.

The seaweed is processed into products that are sold at health food stores, supermarkets, seafood counters and restaurants. Products range from smoothie cubes made of kelp to seaweed salads.

The industry is restricted by a lack of processing capacity, said Tollef Olson, a past president of the Maine Seaweed Council and a consultant to the industry. The huge spring harvest this year could actually lead to backups in production, he said.

Atlantic Sea Farms, however, which represents the vast majority of the seaweed harvest in the state, is not suffering from production backups, Baines said. Every blade of seaweed that's coming to shore this spring will be processed, she said.

Olson said he's working on developing seaweeds that can be harvested at different times of the year. In the meantime, though, this year's big harvest is encouraging, he said.

"I'm working really hard to get some year-round seaweeds going," Olson said. "That's been one of the bottlenecks in production — everything comes new at once."

Maine is also home to a wild harvest of rockweed. That is a kind of seaweed used in livestock feeds and fertilizers. Wild harvesters typically bring in 14 to 20 million pounds of rockweed in a year.



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Fungal disease has killed 90 percent of three bat species

By Celeste Baumgartner
Ohio Correspondent

WASHINGTON, D.C. - White-nose syndrome (WNS) has killed 90 percent of northern long-eared, little brown and tri-colored bat populations in fewer than 10 years, according to a new study published in Conservation Biology. Researchers also noted declines in Indiana and big brown bat populations.

The findings, detailed in "The scope and severity of white-nose syndrome on hibernating bats in North America," underscore the devastating impacts of the deadly fungal disease. The research tapped into the most comprehensive data set on North American bat populations to date, which includes information from more than 200 locations in 27 states and two Canadian provinces.

WNS is a disease that affects hibernating bats and is caused by an invasive, cold-loving fungus. The fungus grows on the bats' skin, disturbing their hibernation and resulting in dehydration, starvations and often death. First documented in New York in 2006, WNS has since spread to 35 states and seven Canadian provinces. It has been confirmed in 12 North American bat species.

"Some states have been collecting data on their bat populations for a long time," said Jenny Dickson, chair of the Association of Fish and Wildlife Agencies Bat Working Group. "They've looked at that historical data along with data since the arrival of white-nose to get an idea of how WNS has impacted the populations. Having that historical data is critical to monitor WNS."

A combination of partners has collected the facts, Dickson said. In most cases, it has been fish and wildlife agencies but universities have also collected information and typically they will share that with fish and wildlife agencies.

"This study is taking a lot of information from those different partners and the North American Bat Monitoring Program," Dickson said. "It is one of the more comprehensive looks that we've done for a suite of species."

Currently, there is nothing to prevent or treat this pathogen, she explained. There have been some promising leads that look good in laboratory trials but doing things in a lab is very different from doing things in the natural world.

Typically bats have only one pup a year, and they live for a long time, so it is not unusual to have bats that are 40 years old (some recent studies show they might live into the 50s), Dickson



Above: This cluster of hibernating little brown bats is free of white-nose syndrome. The pathogen has killed 90 percent of the little brown, long-eared and tri-colored bat populations in fewer than 10 years.

explained. That combination of slow reproduction and a long life span means that it is going to take decades for populations to recover.

Bats are the largest predator of night-flying insects, the moth-based pests in particular that farmers have to deal with, like earworm and corn borer. In the United States alone, bats are estimated to save farmers at least \$3.7 billion a year in pest control services, according to the Association of Fish and Wildlife Agencies.

"We've heard from farmers anecdotally who say they have noticed a difference," Dickson said. "Some have said they've had to apply more pesticide to fill in the gap. The folks who are apply-

ing a lot of pesticides may not notice a big change. Those who are either working more organically or who try and use an integrated pest management program, they're going to notice a difference."

The one thing researchers want to stress is how critically important bats are for the ecosystem services, Dickson said.

"This is something we should all be concerned about because we have seen catastrophic bat population declines in a decade," Dickson said. "It is going to take us multiple decades to recover from if we can stop it right now. It's one of the biggest conservation challenges we have faced in our generation."

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Above: This little brown bat has white-nose syndrome, visible on its body and wings. A recent paper detailing "The scope and severity of white-nose syndrome on hibernating bats in North America," underscores the devastating impacts of the deadly fungal disease.

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Above: Janice Siegford, Michigan State University animal scientist, will lead a team of researchers from Michigan State University, Iowa State University, North Carolina State University, and Scotland's Royal College, to study the advancement of precision livestock farming in the U.S. swine industry (photo courtesy of Michigan State University).

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Animal scientists study precision livestock farming in U.S. swine industry

By DOUG SCHMITZ
 Iowa Correspondent

EAST LANSING, Mich. - It is easy to get caught up in the excitement when a new gadget comes along. But, determining whether that piece of technology will really help you and be cost effective isn't always easy.

A team of animal scientists from Michigan State University, Iowa State University, North Carolina State University, and Scotland's Royal College, has received a \$1 million grant by the USDA-National Institute of Food and Agriculture's Agriculture and Food Research Initiative to study the advancement of precision farming in the U.S. swine industry.

According to Michigan State University, precision livestock farming "applies technological advances to the monitoring of and data collection from individual animals within large herds with the hope of optimizing the welfare, and contribution of each animal."

"One of the things that often occurs when researchers work with precision livestock farming is we get really fascinated by all the cool bells and whistles of the technology," said Janice Siegford, Michigan State University animal scientist, who is leading the research team.

"We sometimes lose sight of the fact that these processes have to actually go on a farm to be practically used by farmers, and be something they can afford," she added. "Our focus is to really understand, from the human perspective, what is useful, and how valuable the technologies and processes are in reality."

Beginning this June, the group will start to explore precision livestock needs, public perceptions and the willingness of farmers, producers and consumers to pay for new technology.

The end goal is to determine how new technology is viewed by the swine industry at large, with respect to what is practical and useful for farmers and consumers.

To achieve this, the team has established a stakeholder advisory group to brainstorm ideas.

"Everybody from big swine breeding companies, who really want to mine this data to help precisely breed and select pigs, to companies like retailers and grocers, to auditing groups that certify animal welfare [are involved]," she said.

"We are going to bring together these partners and ask them what precision livestock farming can do for them," she said. "How they can use technology and the data it generates for the aspect of the pork industry that they're involved with.

"What they think are some of the valuable attributes that they'd like to see developed into technology," she added. "And we want to make sure that where farmers invest their money is useful to them, as well as results in a product that consumers are OK buying."

To fully understand the benefits and drawbacks of precision agriculture, the research team will focus on two priority areas:

- Maintenance of a productive workforce: livestock farming technology can replace some labor on the farm, including technology to do repetitive work, and do it in more detail, but is nowhere near enough.
- Acquisition of reliable animal-health data: an ongoing pressure for the animal agriculture industry to better monitor the welfare of the animals, and show that progress. Precision agriculture allows farmers better data on the health of each animal.

Siegford said she's been working for over 15 years with technologies to automatically detect and record animal behavior in dairy cattle, laying hens, and pigs.

"I initially focused on using this technology in a research setting to answer scientific questions related to animal behavior and animal welfare," she said.

"I saw it as a way to gain information from animals 24 hours a day, seven days a week, no matter where the animal was in the environment, or what it was doing, which is much better than when a human tries to observe an animal or group of animals," she added.

During her work, she said one theme that kept coming up was whether this technology would have any practical value to farmers.

"Did it tell them anything useful?" she asked. "Could they afford it? Would it work on commercial farms? This project is all about answering those questions in the swine industry. We want to know what producers, vets and other stakeholders at different parts of the pork supply chain know and think about precision livestock farming technology."

"We want to learn what producers want from this technology, how much they value it, and what they are willing to pay to use it on their farms," she said.

She said she and her team also want to know what consumers think of buying pork from pigs raised using precision livestock farming technology, and what they are willing to pay for such products.

"We then want to take what we have learned and share it with the swine industry, including developers of

(Livestock Farming continued on page 14)

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Kentucky fruit trees and strawberries survived late April frost

UTICA, Ky. (AP) — While late April brings to mind thoughts of warm weather, blooming flowers and summer waiting in the wings, a late season snow left local orchards working to protect their crops.

Kevin Trunnell, owner of Trunnell's Farm Market in Utica, said he has a peach orchard and also grows strawberries, two fruits known to be sensitive to cold snaps.

"The peaches have actually finished blooming and they have small peaches on the trees now," he said. "The strawberries have been blooming for a while, they have fruit and they are still blooming."

Trunnell said he uses row covers to help keep strawberries thriving.

"It is a thin piece of cloth material that we pull and stretch over the strawberries and then hold it down with sand bags," he said. "What that does is it kind of traps the heat that is already in the soil."

The concept is not all that different than someone putting a blanket over someone who is cold to help hold in their body heat.

Trunnell said the row covers can

increase the temperatures around the strawberries by around two to four degrees.

"When they are teetering on that freezing mark two to four degrees means a whole lot," he said.

Regarding his peaches, Trunnell said that while some farms and orchards utilize a variety of techniques to protect their peach crop during a late frost, he still goes about it the old-fashioned way.

"We personally don't have any type of protection for our peaches," he said. "We are at the mercy of the weather."

Billy Reid, the owner of Reid's Orchard in Owensboro, said while he broke out the row covers to protect his strawberry crop, the weather was not quite cold enough to harm the peaches.

"When you have a frost, it doesn't affect the peaches because you are talking 5 feet off the ground it could be 34 degrees and then right on the ground where there is no wind it could be 28 degrees," he said.

"Freezing is a different story. That is when

the stuff in the trees is going to freeze."

Last month, Reid's Orchard deployed its Frost Dragon in an effort to keep the peach trees from freezing. The piece of equipment burns propane to generate heat, blowing warm air out onto the trees. The frost fighting machine is pulled through the orchard by a tractor.

Trunnell said he has started putting vegetable plants and flowers back out for sale after moving them into a greenhouse for safe keeping.

"It looks like the weather is going to cooperate and the weather is going to stay high enough at night that we can put everything back out now," he said.

Livestock Farming

FROM PAGE 13

technology, to help producers pick (precision livestock farming technology) that works for them, and to give developers insight into what is wanted," she said.

"In order to optimize that individual animal's performance and also its welfare, we're thinking about things that happen at the level of that one animal in real time, collecting the data from that animal, and then processing it to tell us what it means and what actions to take," she said.

To accomplish this, she said Michigan State University will partner with North Carolina State and Iowa State University, in key U.S. pork producing states, as well as Scotland's Royal College, which has been conducting social science research with producers in the United Kingdom related to on-farm issues related to precision livestock farming.

Other collaborators represent Michigan State University animal science researchers and extension educators Dale Rozeboom, Juan Steibel, Madonna Benjamin, Dave Thomas and Casey Zangaro.

"Together, we combine expertise in animal science, veterinary medicine, data science and analysis, social science, economics and

extension," Siegford said. "All of which are key to getting this work done."

"Collaboration and coordination among such a big team (there are 11 of us total in the grant team) requires communication, trust, and planning," she added. "We are building on previous collaborations among team members, which certainly helps in terms of understanding each other's expertise and abilities, and how best to communicate."

"Together with our team (Dr. Dale Rozeboom, Dr. Madonna Benjamin, Mr. Dave Thompson and Ms. Casey Zangaro in addition to Dr. Steibel and myself), we have an amazing collaboration dedicated to helping understand what the swine industry wants and needs from (precision livestock farming)," she said. "Hopefully, this results in the creation of (precision livestock farming) that is useful, usable, and beneficial."

She said ultimately, precision agriculture adoption boils down to cost. She added she hopes this study will provide context on what the industry holds valuable.

"For producers, precision agriculture can be a heavy cost investment and sometimes because technology moves so rapidly, it can be really hard to decide what to invest in that's still going to be around in five years," she said. "So, we hope to get a clear picture from farmers about their driving needs, and what they see as important."



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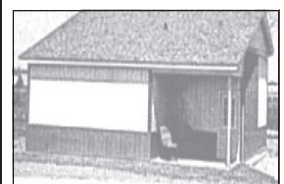
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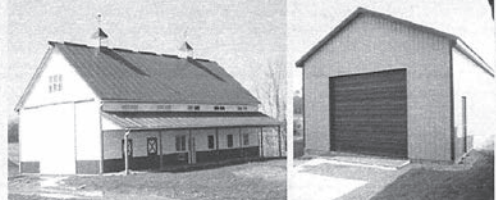


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30 JD Toy Tractors, New Condition, Variety of Models - Lots of Silver Coins - Lots of Nice Jewelry - Household - Patio Furniture - Primitives - Collectibles - Roseville - Copper Items - Huge Bear Collection - Lots & Misc.

Hundreds of items not mentioned in this ad. We will be running two rings as usual. Plan to spend the day in our comfortable facility with seating, good food, TV monitors for item viewing, and convenient parking. Terms: Cash, Good Check w/photo ID, MasterCard, Visa, Discover. A 3% convenience service fee will be added to buyer total for credit cards. No fee for debit cards. Not responsible for accidents. Hundreds of photos on www.priceleffler.com

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80 TRUCKS

1985 Knapheide 14' grain body w/tip tops on side, roll tarp, scissor hoist, all works gd., \$4000 obo. 270-302-9737 Lewisport, KY.

1991 Freightliner lime spreader truck, L2010 16' bed, 400 Cummins, 13 speed, jake, tri-axle, sharp truck, \$19,500. 859-240-5109 Maysville, KY.

1993 GMC topkick, CAT 3116 engine, 6 speed, air brakes, good condition, 18' box bed, \$10,900. 606-723-2081 Irvine, KY.

2011 red Chevrolet Silverado LTZ, 3500, single wheel, B&W turn over gooseneck hitch in bed (2" Reece receiver hitch), 83,000 mi., exc. cond., pictures avail., \$25,900. Garry 812-371-2245 Columbus, IN.

2019 Ford F250 Super Duty, 6.7 dsl., FX4 4WD, auto., white exterior, grey interior, super cab, short bed, rebuilt title, 2200 mi., runs & drives like new, brand new B&W hitch, \$65,000 sticker, sell for \$39,900 cash. Call 812-621-2612 for more info. Aurora, IN.

New Chevy, Dodge & Ford 8' truck beds. 317-512-2129.

New metal flat truck beds, 7' wide, 8' long, \$2050. 8' wide, 8' long, \$2095. 8' wide, 9' long, \$2185, 8' wide, 10' long, \$2385. 812-366-3540 Corydon, IN.

New takeoffs, Chevy, Ford and Dodge, pickup beds, tailgates and step bumpers. 317-422-5815 Franklin, IN.

Peterbilt dump truck, shedded in winter months. 440-812-8446.

Reman 6.7 & 5.9 common rail, Cummins motor, warranty 6 mos./10K, from \$3200. 270-427-4588 Tompkinsville, KY.

PLEASE NOTE: 15 Word Minimum On All Classified Word Ads

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(6) MATCHING 2015 IH PROSTAR TANDEM DAYCABS, 425HP Cummins, AUTOMAT-ICS, Jake, Air Ride & Cab, Alum Wheels, LOW MILES-\$42,500/EACH (115635)

2013 Freightliner Cascadia Tandem Daycab, 450HP DD13, 10 Spd, 196" WB, 323K Miles, Jake, Air Cab, Power Windows--\$32,500 (ADDINGTON)

2005 34' JET STEEL HOPPER, ROUNDED HOPPERS, Roll Tarp, READY FOR THE FIELDS!-\$15,000 (TL571)

1990 IH 8100 Tandem Grain Truck, Cummins, 9 Spd, 18' Alum Grain Bed w/Tri-Fold Cargo Doors & Roll Tarp, "LIVE TANDEM", VERY GOOD COND--\$35,000 (WENDEL)

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90 TRAILERS

2004 24'x7' aluminum goose-neck brand cattle trailer, one owner, good shape, half price of new one. 270-991-3727 Cave City, KY.

Neckover gooseneck trailer, 24'Lx95"W deck, heavy duty deck w/heavy duty ramps, triple axle w/single wheels (6), blue in color, \$4800 obo. 937-533-0191 Eldorado, OH.

100 INDUSTRIAL EQUIPMENT

410 D JD backhoe, 2WD, extend-a-hoe, 24" bucket. 765-265-1046. Connersville, IN.

Case 586E rough terrain forklift, Cummins diesel, shuttle shift, 6000# lift, good unit, can deliver, \$13,500. 765-332-2326. Straughn, IN.

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1 million net, whiskey to go, farm for sale. 765-524-3405 New Castle, IN.

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Memorial Day Early Deadlines

In observance of Memorial Day our offices will be closed Monday, May 31

Classified Advertising Deadline Friday, May 28, 11:00 AM

210 CATTLE

(15) **cow** calf paired, \$1700 choice or \$1500 all. 618-843-7868 Claremont, IL.

(5) **bred** Hereford cows, due Sept., vaccinated. 765-623-3462 Matthews, IN.

(16) **black** feeders, avg. 400 lbs. 765-265-7769 Laurel, IN.

(600) **head** Holstein steers for sale: (3) different groups, all vaccines given, (190) head, 300 lbs., (190) head, 400 lbs., (190) 300 lbs., also 550 lbs. available, will split groups or move at the weight, you choose. Call 937-417-9696 Union City, OH.

(2) **Angus**, (9) Sim/Angus bulls for sale. 18-24 mos. old, developed on forage, 32 yrs. AI in herd, sons of Acclain, Cowboy Cut, Uno Mas. Call 812-797-1421. Orleans, IN.

(7) **Lowline** Angus bred cows, various ages, due Aug., \$1100 each or \$7000 for all. 812-350-9715 Westport, IN.

Stone Road ONLINE Fresh Heifer Sale IV & Elkhart County, IN Groups
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1937 HD7 AC bulldozer, 2400 actual hrs., 2nd owner, 371 Detroit dsl. eng., complete rebuild, orig. manuals complete, exc. cond., \$8850. 502-641-8669 Taylorsville, KY.

1948 Farmall H w/3 pt. hitch, 5' JD bush hog, bale spear and post-hole digger, all in fair condition. \$1500 OBO. 765-745-1221. Arlington, IN.

1965 David Brown diesel tractor, ran 2 years ago, reasonable shape, good tires, \$1000 firm, tires are worth that. 317-445-1917 Fortville, IN.

1974 JD 4430, runs gd., new interior, 540/1000 PTO, 18.4x38 w/duals, 6800 hrs., \$15,000. Call or text 765-438-8641 Walton, IN.

1978 JD 4440, cab, Quad Range, duals, \$28,500; 1975 JD 4430, open station, Quad, \$19,500; JD 510C backhoe, 2WD, open station, new tires, \$16,500. 740-281-7350 Alexandria, OH.

1992 Case Int. 9230, 3,846 hrs., 12 speed trans., 3 pt. hooks, 2nd owner. 419-852-2509 Fort Recovery, OH.

1997 JD 8300, 3826 hrs., 46" rear tires & duals, power shift, (4) SCV, 30" front tires, 3 pt. hitch, 1000 PTO, field ready, \$82,500. 765-525-9755 Waldron, IN.

2016 JD 8370R, loaded, 50" rubber, duals front and rear, 5300 hrs., \$159,900. 765-993-4250 Liberty, IN.

Agco LT90A tractor, clean, very gd. cond. 812-623-4232 Sunman, IN.

Case IH 5230 w/ 520 loader, MFWD, 6700 hrs. 812-620-2871 Salem, IN.

JD 6430 premium, 4000 hrs., 4x4, 673 Loader, tires 85%, good cond. \$65,000. 606-798-3287 night, 606-584-5844 days. Maysville, KY.

JD 8520T, 18" tracks at 60%, Green Star ready, 7,200 hrs., \$64,500. 419-852-0337 Salina.

MF 180 w/MF loader; MF 1080. 740-988-0813. Jackson, OH.

TN65 NH, 1,300 hrs., very good cond., Category 2. 765-277-0062 Greens Fork, IN.

Wanted: Ford 7700 or other big Fords, broken or burnt okay. Will pay cash. 937-474-9899.

White 140 tractor, w/Westendorf WL42 loader. 260-564-0662 Albion, IN.

460 LAWN & GARDEN

1981 Kubota B7100, 4WD, Diesel, 1503hrs. 765-661-9902, 765-661-5262. Swayzee, IN.

JD 655 zero turn. 765-265-1046. Connersville, IN.

470 FARM TIRES

(2) 18.4x38 Firestone Super all traction tires, approx. 20% tread, \$200; pair of 18.4x38 Titan tires on 9 bolt rims, 15% tread, \$400; (2) 14.9x30 Firestone all traction FWD tires, mounted on JD offset rims & wheels, 95% tread, \$1600. 260-525-8306 Berne, IN.

470 FARM TIRES

(4) Starmaxx 650/65R38 sprayer flotation tires, mounted on Case IH Titan 10 hole wheels, 80% rubber, \$5000. 765-748-0427 Eaton, IN.

(8) 7.10.R38 Goodyear tires 35%-45%, \$800 obo. 765-620-2363 Elwood, IN.

380/85R34 Firestone tires & rims, 50% tread, great cond., \$800 for the pair. 937-295-3750 Fort Loramie, OH.

9 bolt dual rims for 18.4x38's, gd. cond., \$400 pr. 765-513-0610 Russiaville, IN.

Fact. JD 10 bolt hubs for 92mm axle, (3 5/8"), late style w/all bolts & cap screws, ready to bolt on, will fit tractors from the 45-4620, 5010 & 20, 4630, 6030, 4440 & 50 & many of the 7000 Series, \$900 pr. Can ship. 765-513-0610 Russiaville, IN.

480 GRAIN BINS & DRYING EQUIP.

(3) Grain bins for sale. (1) bin is 100,000 bu., (1) bin is 50,000 bu., (1) bin is 20,000 bu.; Also have 110' grain leg. Call for more info. 614-206-0442

Coming in: 8x32 PTO Westfield, very gd., \$2400; 10"x32 MM Hutch older but mech. gd., call, (2) spin level spreaders gravity, \$150 ea., Hutch 8" mid drive gear box for TA not flanged \$250 & 10"x40' utility auger internal bearings, rough now, call Redelman Bin Service. 812-663-3164 Greensburg, IN.

Mastercraft It 245 75 R16 10 ply tires, 8 lug on Chevy steel wheels, 50% tread, 4 tires, \$300. 937-409-0555 Eaton, OH.

Unverferth or M&W 5" hub extensions for 9 bolt hubs, NOT compatible with fact. JD hubs, \$225 pr. Can ship. 765-513-0610 Russiaville, IN.

Used rear tractor tires, avail. in many sizes. If you don't get our price on new Goodyear, Firestone & Titan rear tires, you're going to pay too much. (IN) 1-800-382-9958, (others) 317-462-4421.

Wanted to buy 2 16/9/30 rear tractor tires, must be good cond., 513-312-9408.

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Mayrath 10x31, elect.		\$5,015
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1993 GST 710 Dryer (2 yrs. on unload and fill auger, stainless sides)		\$18,750
Roof Or Utility Auger 10"x26" w/Hanger Bearings		\$1,400
(8) 25" Stands for Brock or Super B Dryer		\$250
5"x30 HP Bruning Air System		\$6,000
Centrifugal Fan, 10 HP 1 PH, 1750 RPM		\$3,500
1979 AB-250A Dryer, 220 Volt 3PH, Needs Some Sheet Metal Work		\$2,500
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JD Concave inserts, fits all 70 & S Series combines, \$400. 765-894-0790. Thorntown, IN.

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510 TILLAGE (PLOWS, DISCS, ETC)

12' Landoll tillow, disc finisher, \$1500. Brookville, IN. 765-647-5616.

16' Int. Vibra Shank 45' field cult., gd. working cond., \$900. 317-989-0898 Monrovia, IN.

22' Hiniker field cultivator, w/rear hitch and rear hydraulics, walking tandem, single row spike drag, rear basket, \$2,800 obo. 765-744-0862 Gaston, IN.

24' Int. vibra shank field cultivator w/harrow, weathared, \$1000. 217-497-0506. Rossville, IL.

Case 496 18.5 disc w/19" blades, new (4) bar ringling harrow. (1) owner. 765-647-5616. Brookville, IN.

Case IH 496, 18' rock flex disc, rear hyd., rear hitch, \$9,900 OBO. 269-998-4677. Allegan, MI.

JD 314 mounted plow, \$325. 317-501-5871 Brownsburg, IN.

JD 960 field cultivator, 24', JD 5 bar spike harrow, c-shanks, 9" shovels, \$4,000 obo. 765-994-0141 Shelbyville, IN.

Kewanee 1010 disc, one owner, nice shape, \$2000. 765-265-2387 Brookville, IN.

Landoll 875-15 bifold mulch finisher, \$9,500. 502-955-6347.

510 TILLAGE (PLOWS, DISCS, ETC.)

Salford 31' HD RTS field ready, has full set of weights, truck tire kit, 3 bar harrow & heavy duty 14" rolling basket, exc. shape, asking \$51,500; New 12' single roller airway, never been in ground, C-flex w/weights, heavy duty wheel kit w/rear hitch, \$14,500. 419-564-1534. Ontario, OH.

Wanted 25' Brillion cultimulcher. 419-733-1079. New Bremen, OH.

520 PLANTERS - DRILLS

(24) Cast-iron closing wheels, exc. shape, \$600 takes all. 765-561-2066. Rushville, IN.

10' no-till Great Plains drill, 3400 acres, no seeder, 812-584-7958.

1560 JD no-till drill, 7 1/2 spacing. 812-663-3779 Greensburg, IN.

20' JD 1535 drill, 1570 cart, 15" spacing, airbag down pressure, wavy notill coulters, computer trac 150 monitor, \$26,000. 765-546-1783. Winchester, IN.

2004 Kinze 3600 16-32R, mechanical drive, asking \$42,000. 812-216-6218 Greensburg, IN.

2009 Great Plains 10' 1006NT no-till drill, has standard box & small grains box. This no-till drill is being sold as is & has approx. 5200 acres. Franklin County SWCD is the only owner & it was purchased new. Closed bids will be accepted until COB (4:00 p.m.) on May 19th. There is a minimum bid of \$5000. Those bids can be mailed to the Franklin County SWCD office at 10165 Oxford Pike, Brookville, IN. 47012. For more info. please contact the Franklin County SWCD office 765-647-2651, ext. 3.

46 Kinze cast iron press wheels & other Kinze 3600 parts, w/precision corn units; (6) Martin UMO openers, like new. 765-265-1046 Connersville, IN.

7000 JD 8 row planter, dry fert., end transport, cross auger, 859-358-7865 Berea, KY.

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520 PLANTERS-DRILLS

Case IH 2150 16-30" high speed, loaded options! Speed tubes, Delta Force, 20/20 monitor, 2x2 & pop up fertilizer. 219-819-3279 Rensselaer, IN.

JD 760 planter parts and a whole 7000 complete planter. 765-426-5524. Rossville, IN.

JD Model 7000 corn planter, 8 row, 30" space, end transport. \$2,500. 765-439-0223. Cambridge City, IN.

Kinze 3600, 16/32, \$70,000. 765-561-1792 Rushville, IN.

White 8200 12R-30" no-till, liq. fert., auto shutoffs, exc. cond., \$30,000. Joe 270-668-9639 Brandenburg, KY.

530 HAY EQUIPMENT

1470 Gale 4x5 round baler, elec. tie, 1 owner, great cond. 765-647-5616. Brookville, IN.

2002 12' center pivot 5020 Macdon haybine. 260-385-9326. Grabill, IN.

3650 Case IH baler, 5x6 bale, \$3,000. 765-541-1327. Milton, IN.

Brand new Case IH LB434XL tandem, 4x3 bale w/twine PRO knotters, ISO bale length kit, \$120K. 219-819-3279 Rensselaer, IN.

Case International 8420 round baler, hydraulic tie, good belts, exc. condition, \$4500. 937-417-2535 Arcanum, OH.

Claas disc mower, model 3450 plus, 11' cut, great cond., \$8950. 812-267-5944 Depauw, IN.

EHE spinner hay tedder, brand new, All American made, all parts interchangeable. Delivery avail. in Indiana. For info. & brochure call Kings Repair 765-597-2015 Marshall, IN.

Farmhand 5 wheel hay rake, w/hydraulic lift, \$400. Sears and Robuck wagon gears. \$90. 317-501-5871 Brownsburg, IN.

Fiberglass hay wagon beds. 812-257-9700.

Gehl 1860 rd. baler, new belts, new tires, very clean, always barn kept, \$5000. 937-725-5857 Blanche, OH.

Good used NH choppers & new Horning processors and CH. Also lots of new & used NH or JD parts avail. 765-597-2205 Marshall, IN.

Hay baler knotters repaired on your farm. All makes & models. New & used baler parts in stock; also repairs on NH rakes & mowers. NH rakes for sale. Kings Repair 765-597-2015 Marshall, IN.

Heaston 4760 square baler, 440-812-8446.

JD 336 baler, \$4000. JD 820 mower conditioner, \$7000. Both items shedded, very nice, 219-863-0158.

JD 347 wire tie baler, #30 ejector, \$6500; (2) 9x18 EZ-Trail kick bale wagons, \$3250 ea. #42 bale ejector, \$1800. 740-808-1062 Circleville, OH.

JD 4 basket model 731 hay tedder, new tires, \$3,000; 3 pt. hitch Hay unroller, hydraulic arms, 1,000. 765-886-1262. Greens Fork, IN.

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530 HAY EQUIPMENT

JD 430 round baler, exc. shape, twine, 540, 4x6, new tires, chains & sprockets, monitor, field ready, \$7500. 812-212-9782 Batesville, IN.

JD 567 rd. baler, Silage Special w/wide pick up; NH 258 rake, \$2500; NH 56 rake, \$1950. All in gd. cond. 765-597-2205 Marshall, IN.

JD baler parts. New & used. Knottter rebuilding. New Field Master rakes & fluffers. Canopy's for JD 3020, 4020, etc. Call for catalog. Finger Lakes Equipment. 585-526-6705 Penn Yan, NY.

New Sitrex QR10 10 wheel hay rake/kicker \$6250. New Sitrex 17' hyd. fold hay tedder \$5600, 10' tedder \$2200. 765-825-1439 Connersville, IN.

NH 163 hay tedder, 4 basket, \$3200. 812-327-1333 Bloomington, IN.

NH 256 hay rake, great cond., field ready, good tires, \$1,000 obo. 937-417-1391 Ansonia, OH.

NH 648 round baler for sale. 513-518-5668. Lawrenceburg, IN.

NH FP230 chopper, Metalert, Horning processor, 7' hay head, 2nd owner, well maintained, \$12,500. 330-347-9466. Sterling, OH.

540 MANURE EQUIPMENT

2020 TerraKat T15 460 cu. ft., 782 bu. capacity, log chain web, metering tailgate, flail style beaters, BRAND NEW, \$32,500. 419-612-5329 Shelby, OH.

PTO drive manure spreader, \$1200; ELS manure pump w/ hyd., \$1950. 765-597-2205 Marshall, IN.

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SECTION B

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FarmWorld®

Thursday, May 13, 2021

Jen Sorenson new National Pork Producers Council president

By Doug Schmitz
Iowa Correspondent



WEST DES MOINES, Iowa – Jen Sorenson’s journey to being elected the new president of the National Pork Producers Council (NPPC) is the culmination of hard work, and dedication to telling the story of American agriculture, which first started on her family farm in rural southeast Iowa.

“I went to a tiny school (Marquette High School in West Point), and we were all small-town farm kids,” Sorenson said. She was raised on a pig farm in Donnellson, Iowa, in Lee County, where her parents, Marv and Sue Holtkamp, still farm today.

“I graduated with 26 in my class, and at least half of us established careers in agriculture,” she added. “We didn’t have FFA at our school, and I was never involved in showing pigs.

Her dad, Marv, is a contract grower for Tri-Oak Foods. He also raises corn and soybeans, “and is a big Farmall restoration enthusiast,” said Sorenson, who lives in Ankeny, Iowa, with her husband, Josh, and

Above: Jen Sorenson (pictured in her dad’s pig barn with her daughter, Anna) is communications director at Iowa Select Farms in West Des Moines. She was elected the new National Pork Producers Council president at its National Pork Industry Forum in March (photos courtesy of Jen Sorenson).

daughter, Anna.

She said there was a time in high school when she became interested in writing and journalism. “I think I dabbled in writing some school

(President continued on page 3B)

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President

FROM PAGE 1B

announcements and short stories for the local paper, if I recall,” said Sorenson, who double majored in journalism and animal science at Iowa State University (ISU). “I went to ISU for journalism, but after a year or two, I ran into an animal science professor (Dr. Doug Keneally) who encouraged me to also look into animal science.

“And thankfully I did because I really loved being a part of the College of Agriculture, and especially the

animal science field. I took every swine course I could, and loved the passion of Dr. Mark Honeyman, and the swine team at the college.”

Throughout her career, she said, “all of the communication teams she has worked on have been small but mighty, so I appreciate the broad range of experience. Every single area has been applicable. I really enjoy taking on communication challenges when you think about our industry’s labor needs, and the role of recruitment marketing.

“At any given time, I’m working on numerous education and awareness campaigns around topics like biosecurity, animal well-being, farm security and the whole gamut of production goals across the company,” added Sorenson, who has been communications director at Iowa Select Farms in West Des Moines for nine years.

The company is the nation’s largest family-owned hog producer, marketing more than 5 million hogs per year.

Right now, she said, there is a lot going on at the NPPC.

“We’re at starting stages of executing our long-range strategic plan,” she said. “We’re facing a growing number of governmental and marketplace issues impacting pork producers. We need to increase our stakeholder engagement and build strong coalitions to address legislative, regulatory, judicial, trade and targeted business issues.”

Among the council’s top issues this year, she said, are growing trade, and expanding market access for U.S. pork in Vietnam.

“Vietnam, a major pork-consuming nation, needs affordable sources of pork as its domestic pork production industry struggles with African swine



Above: Jen Sorenson (pictured with the other 2021 National Pork Producers Council officer team members, President-Elect Terry Wolters, of Pipestone, Minn., left, and Vice President Scott Hays, of Monroe City, Mo.) said among the council’s top issues this year are growing trade and expanding market access for U.S. pork in Vietnam.

fever,” she said. “The United States is the world’s lowest-cost source of pork, exporting nearly \$8 billion in 2020.

“Vietnam consumes more pork than Mexico, where the United States shipped \$1.1 billion of pork in 2020. U.S. pork exports to Vietnam in 2020 were valued at \$54 million,” she added.

She said U.S. frozen pork faces tariffs of 15 percent in Vietnam. “Tariffs on pork from Canada, Chile and other U.S. pork competitors is a 7.5 percent tariff, giving them significantly more favorable market access through participation in the Comprehensive and Progressive Agreement for Trans-Pacific Partnership,” she said.

She added U.S. pork exports to Vietnam doubled during the six-month period in 2020 when tariffs were temporarily reduced.

When it comes to social media, she said some things haven’t changed from her earlier days.

“We authentically tell our story of what it takes to raise pigs, the values we live by, and the efforts we’re making to get better every day,” she said. “Now we have social media to use as a tool. It’s getting easier to get a message out, and reach both broader and targeted audiences, but it’s not without challenges.

“And overall, we continue to have fewer and fewer people tied to agriculture, our audiences have shifted to younger, urban consumers and new generations want different things.”

She added, “We’re challenged to listen intently, understand what people want to know about modern agriculture, and find that common ground. I’d say in my 20 years of serving as an ag communicator, I have found that whenever farmers tell their story, it’s a very positive thing; sometimes, it just takes a little courage.”

In her new role as NPPC president, Sorenson is among a strong line of female presidents.

“The National Pork Producers Council has had several amazing female presidents: Barb Determan, Jill Appell, Joy Phillippi and Donna Rifschneider, who was the first female president of (the council) in 1998,” she said.

“Women have always been involved in agriculture, and we need to encourage more young women to look at agriculture as a place where they can get a terrific career, and grow into leadership roles,” she said. “At Iowa Select Farms, I work with hundreds of rock star ladies. They are senior leaders, veterinarians, trainers, farm managers and animal caretakers.”

Neil Dierks, NPPC CEO, said Sorenson’s dual background in both farming and communications will be a significant asset to the U.S. pork industry as she begins her tenure as president. “With Jen’s experience, the National Pork Producers Council remains well positioned to advocate for the public policy interests of America’s pork producers.”

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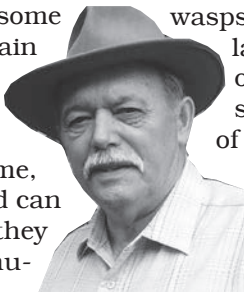
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It's going to get real noisy outdoors

It's going to be loud, and in some places really loud, but remain calm. The coming fascinating phenomenon of emerging cicadas is normal. Even though cicadas look gruesome, will be loud and plentiful, and can damage some young trees, they are essentially harmless to humans.



SPAULDING OUTDOORS
By Jack Spaulding

Currently, there are 12 different broods of 17-year periodical cicadas consisting of three different species. Each brood is designated by a Roman numeral. This is the year of Brood X. Brood X covers 15 states. Indiana is also home to two annual cicada species that emerge May through August and peak in July.



Above: Sphecus speciosus, the Cicada Killer or Cicada Hawk is a terrifying hornet approaching 2 inches in length.

Brood X nymphs will emerge when the soil temperatures about 8 inches underground reach 65 degrees. A warm rain will often precede large-scale emergence.

"It's thought that by emerging in such large numbers, they overwhelm would-be predators to ensure that enough of them will live long enough to reproduce and perpetuate the brood," said Megan Abraham, director of the DNR Division of Entomology & Plant Pathology.

Male cicadas make the noise most often associated with cicadas by using a special organ called a tymbal. The purpose of the large choruses you hear is to attract females.

While cicadas can damage smaller-diameter branches of many species of trees and shrubs, treatment is not warranted in most cases. If you have a small number of newly planted trees, they can be protected by covering them with netting. More information is available online at: <https://extension.entm.purdue.edu/publications/E-47/E-47.html>.

You can help with research and become a citizen scientist reporting cicada emergence by downloading "Cicada Safari" on your mobile device.

With the Brood X emergence, you will eventually see cicada killer wasps, 2-inch-long predators of cicadas. Sphecus speciosus, often simply referred to as the cicada killer or the cicada hawk, is a large digger wasp species. Like their scary-looking and loud prey, the beastly looking winged creatures are nothing to be alarmed about, despite their horror-movie looks.

Some people may warn you, particularly on social media, the large

wasps are murder hornets, the large hornets appearing up on the Northwest Coast last summer. They're not. Because of climate differences, there is little chance of murder hornets surviving in Indiana or anywhere near the Hoosier state.

"They (murder hornets) also don't have the ability to get here, to our knowledge," Abraham said.

Cicada killers attack cicadas in mid-air and use their massive, strong stingers to penetrate their victim's shell. Once stung, the prey is paralyzed, jetted back to the nest, buried and eaten by the cicada killer's offspring grub. Sometimes called cicada hawks, cicada killers are here every year.

"Once their prey disappears, so will the cicada killers," Abraham said. "That will likely be early fall."

Cicada killers nest in the ground by burrowing up to 20 inches below the surface. As they dig their nests, they kick up dirt, which you may see at their nest openings.

Because cicada killers live in the ground, watch where you step. Avoid signs of nests. If you step on a cicada killer while barefoot, you will likely get stung on the foot. And, if you step near a nest and disturb its resident, you could get stung elsewhere.

Avoiding cicada killers should be relatively easy because of their size and the tell-tale clues of nest location. If you get stung, treat it as you would any other sting from a bee or wasp.

Veterans-only writing workshops

A series of veterans-only writing workshops collectively called "Writing in Peace" is being held at Turkey Run State Park in partnership with The Kurt Vonnegut Museum and Library (KVML).

The workshops are led by award-winning writer Bonnie Maurer at Turkey Run Inn every month through October. The workshops are free and can host up to 20 veterans per month. Attendees will need to provide their own transportation and food.

The program is open only to military veterans. Sign up by emailing info@vonnegutlibrary.org, indicating which date/dates you would like to attend. Dates and more detailed information are available at vonnegutlibrary.org/arts-in-the-park-veterans-workshop.

Author Kurt Vonnegut was the cousin of Richard Lieber, who is recognized as the father of the Indiana State Parks system. Participants will learn about the state parks and write creatively in a natural setting.

KVML is interested in helping veterans move on from their military experience to discover what future career or creative experience will help, as Vonnegut would say, "... make your soul grow."

The standard park entrance fees of \$7 per in-state vehicle and \$9 per out-of-state vehicle apply. Turkey Run State Park (on.IN.gov/turkeyrun) is located at 8121 East Park Rd. Marshall, 47859.

Readers can contact the author by writing to this publication, or e-mail to jackspaulding@hughes.net. Spaulding's books, "The Best of Spaulding Outdoors," and his latest, "The Coon Hunter And The Kid," are available from Amazon.com.



Above: 17 Year Locust. Photo by John Maxwell courtesy of the Indiana DNR.

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Facial hair a trend for many men, including cowboys



It's THE PITTS
By Lee Pitts

Have you noticed that any self-respecting adult male has some sort of facial hair these days? These trends run in cycles, for example, between 1861 and 1913 all but two presidents wore either beards or mustaches during their tenures. Abe Lincoln was supposedly influenced by a letter he got from an 11-year-old girl to grow a beard to improve his chances of being elected. Then beards and mustaches suddenly fell out of favor when health officials warned that men's beards were infected with TB. So the clean-shaven look became a symbol of the new middle-class man and Harper's Weekly labeled this trend "the revolt against the whisker."

I'd guess at least 90 percent of my cowboy friends have a load of hay on their faces. I heard of one cowboy who was so wooly PETA people poured a can of paint over his noggin. On cowboys I've seen everything from handlebar mustaches with waxed tips so pointy they could be used as a leather awl, to wool crops that remind me of a cartoon walrus of my youth. I've seen beards so coarse they could sand furniture and sideburns, mustaches and goatees so stylish they looked like they were trimmed in salons that serve cappuccino and play sounds of seawater crashing over rocks.

Personally, I've never had facial hair. No mustache, beard or even sideburns. I don't even know if I could grow such things but judging by the hair that grows out of my nose and ears, I think I could. I was in a coma once for eight days and when I awoke I had the start of a pretty good mustache and soul patch, that little piece of facial real estate under your bottom lip. The first thing I wanted when I woke up was a razor because I like the feeling of being clean shaven. Although I absolutely hate shaving, it's such a waste of time that has to be repeated daily. I hate shaving so much I've considered doing what the priests of ancient Egypt did and pluck out every hair on my head. Ouch, ouch, OUCH!

Members of some Indian tribes are incapable of growing facial hair and I envy them, and not just because they own casinos. Most Indians are also very distrustful of white men with facial hair and if I were a Native American, I would be too.

If I were a tech billionaire I'd probably have a shaver on staff but I wouldn't let he or she use one of those grotesque straight razor things like barbers use because they come entirely too close to the aorta for me. Plus I have seizures with no advance warning and I'm afraid my headstone would read, "Here lies Lee. He died of a jerk and a straight razor."

My grandpa called mustaches "cookie dusters, flavor savers and soup strainers" and he shaved every day. The only time I saw him with an unshaven face was when we went to Bridgeport in the High Sierras for our annual two-week vacation. Like many western towns Bridgeport had a "whiskereno" contest every year around the Fourth of July to see who could grow the best beard. Most men participated but if you choose not to you had to a

(Pitts continued on page 6B)

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The current grain market rally has many farmers finding themselves in difficult positions as to contracted grain.

Our office is currently assisting numerous farmers that are having issues with grain contracts, especially "accumulator" contracts. Many farmers are finding themselves stuck in "accumulator" contracts that continue to add bushels each week during the current market upswing. This has created situations where what is contracted greatly exceeds the farmer's yearly production.

Almost all grain contracts are governed by the National Grain and Feed Association (NGFA) trade rules. Under the NGFA trade rules, a farmer has options.

Do not wait until a situation reaches a point of jeopardizing your farm operation. With the current market trend, problems now will likely only become larger, so being proactive is important.

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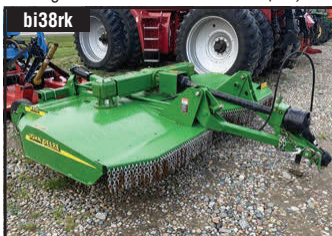
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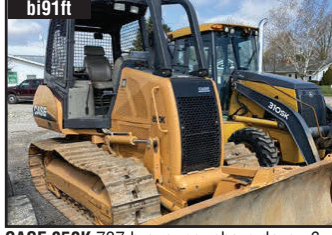
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The Sale Calendar lists dates, nearest town or location, owner, auctioneer and type of sale. The page numbers refer to ads in this week's paper. Listings without page numbers either had ads in previous issues, or will have ads in a future issue of 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.

MAY 13 OSTRANDER, OHIO: Grener Farms, LLC — Wilson National Real Estate. Real estate.. 6 pm

MAY 15 GENEVA, INDIANA: Consignment — Mahlon Shetler. Farm machinery, tack, tools, other.. 8:30 am

MAY 20 GREENVILLE, ILLINOIS: Oliver Schaefer Trust — Polk Auction. Tractors, equipment, signs, toys.. 9 am CST

MAY 20 HILLSBORO, OHIO: Binkley/Vance — Hess Auction Co.. Tractors, equipment.. 4:30 pm SEE AD ON PAGE 9B

MAY 21 GREENVILLE, ILLINOIS: Oliver Schaefer Trust — Polk Auction Co.. Tractors, equipment, signs, toys.. 9 am CST

MAY 22 CAYUGA, INDIANA: Barnhill — Mel Cruse Auctioneer. Tractors, equipment, tools, other.. 10 am SEE AD ON PAGE 9B

MAY 22 RIDGEVILLE, INDIANA: McCormick — Whitey's Auction Co.. Personal property.. 10 am SEE AD ON PAGE 9B

MAY 22 JAMESTOWN, OHIO: Morris — Mike's Auction Service. Farm equipment, trailers, wagons, other.. 10 am SEE AD ON PAGE 11B

MAY 25 BLUFFTON, INDIANA: Harris Family — Steffen Group. Real estate.. 6 pm SEE AD ON PAGE 10B

MAY 25 KENDALLVILLE, INDIANA: Antonides 162 — Schrader Real Estate & Auction Co., Inc.. Real estate.. 6 pm

MAY 26 FORT WAYNE, INDIANA: Butts 171 — Schrader Real Estate & Auction Co., Inc.. Real estate.. 5:30 pm SEE AD ON PAGE 9B

MAY 27 LAWRENCE COUNTY, ILLINOIS: Cassil, Cupp, Ridgley Heirs — Parrott SELLA-FARM. Real estate.. 5 pm Central

JUN 10 LONDON, OHIO: Ella's Farm, LLC — Wilson National LLC. Real estate.. 6 pm SEE AD ON PAGE 10B

Pitts

FROM PAGE 5B

buy a badge that proclaimed, "I am a sourpuss." My Grandpa was a sourpuss every year except the year he and my Grandmother were Grand Marshals of the big Bridgeport July 4th parade. It just wouldn't have looked right for the Grand Marshal to be a "sourpuss."

Although I am clean shaven I never looked down on those with facial hair, though after reading a hefty book by Bill Bryson called "A Short History of Nearly Everything," I do look upon the

bearded class differently. In the book Bryson said that science indicates that how fast a man's beard grows is partly a function of how much he thinks about sex because thinking about sex produces a surge in testosterone which causes one's hair, including facial hair, to grow faster.

I'm not saying every man with a long beard or muttonchop sideburns is a pervert, mind you, but it does explain why lonely cowboys who live alone in line shacks for weeks on end with no human contact have so much facial hair.

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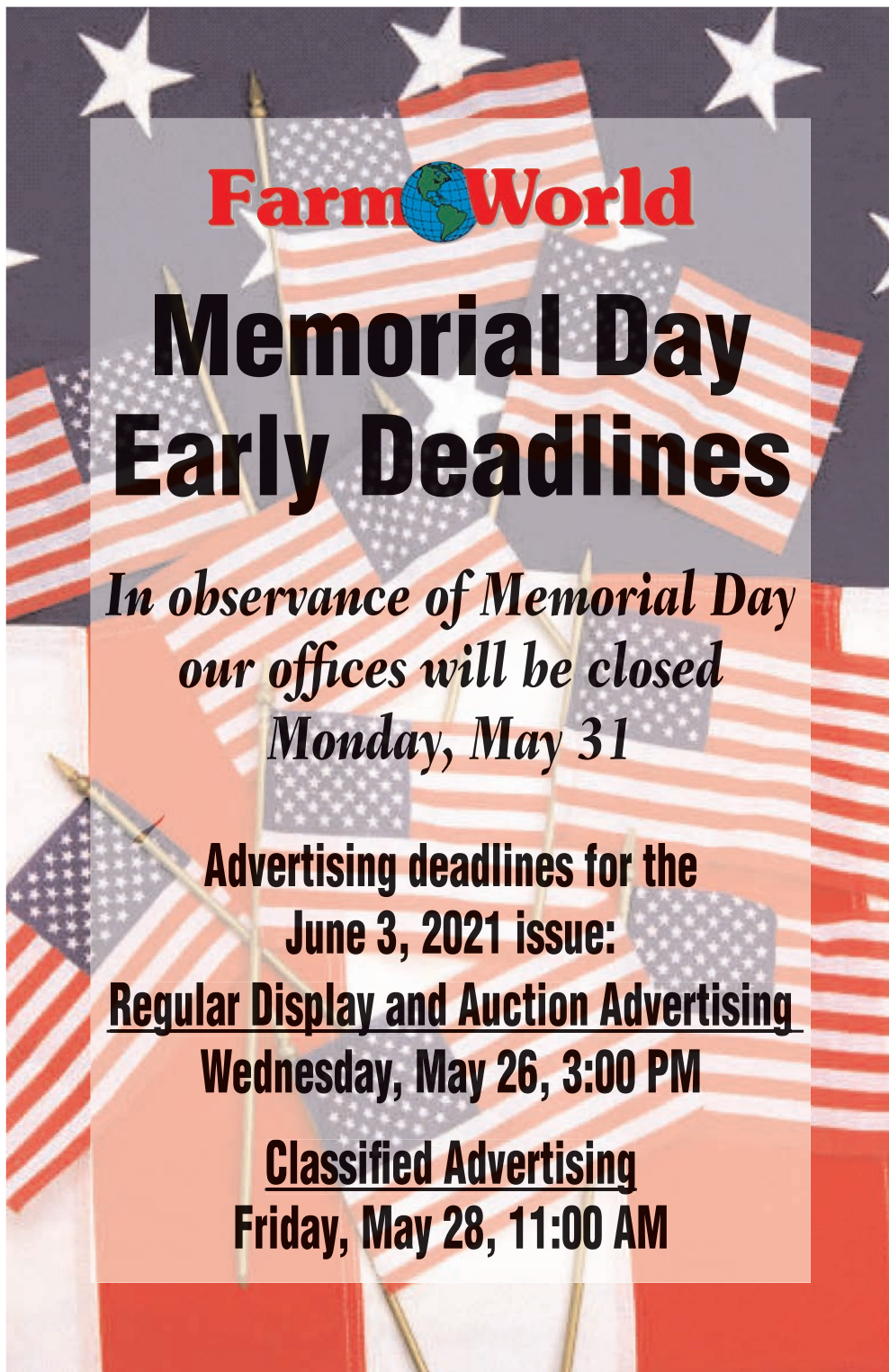
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Beef, it's what's for dinner, for now

The month of May is National Beef Month; and beef is getting a lot of publicity, but not the kind we need. The vegans, tree huggers, animal activists and other anti-meat forces have been joined by a new and rather unlikely group: Republicans. In their non-stop effort to throw the Biden administration under the bus, they are claiming that the president wants to limit meat consumption and confiscate farmland as part of his climate change plan. Fox news reported, as fact, that the president planned to limit Americans to only eating one hamburger per month. Conservatives then spread this like wildfire across social media.



HOOSIER AG TODAY
 By Gary Truitt

Soon other news organizations, both liberal and conservative, picked up the story. Never asking if it was true, they commented on the subject. Like often happens with such things, the original story was lost and was expanded to many other issues. This included that the government was going to take control of 30 percent of the nation's land as a way of limiting beef production.

By the next day, the situation had gotten so out of hand that the secretary of agriculture had to issue a statement: "There's no truth to the talk that the Biden Administration wants to take land away from people and discourage consumers from eating beef to help fight climate change." Vilsack did admit that, "The president wants to protect 30 percent of the nation's land by 2030 but doesn't plan to use eminent domain to take possession of that land."

All of this provided great fodder

for those who want to bash Biden and for those who want to propagate the myth that beef production is bad for the environment. Cattle only account for 2 percent of U.S. greenhouse gas emissions, according to the EPA. They are efficient grazers and part of the ecosystem.

These facts get lost in the climate change rhetoric. For example, the recipe website Epicurious, which has millions of followers on social media, claims that they're no longer going to have beef recipes "for environmental reasons." The blogger Farm Babe did a review of the site and reported, "When you read their statements, articles and sponsors on this, you quickly realize that the vegan food companies and animal rights activists have managed to spread misinformation to sway their decision." She went on to say, "I read every statement and article they released and was astounded and the amount of nonsense."

What is truly disturbing is that the places we can turn to get factual information about our food and our environment are disappearing. Beef and other parts of the ag economy are being deliberately misrepresented by a variety of groups to advance their social and political agendas. The danger is that some of these positions will become policy as a result of politics.

So, as you celebrate Beef Month with a steak or hamburger, think about how you are helping the environment by supporting a species that turns vegetative waste and inedible grasses into delicious protein that nourishes people worldwide.

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"Thank You"
for saying you saw it
in Farm World!

Book details life, legend of Daniel Boone

"Blood and Treasure: Daniel Boone and the Fight for America's First Frontier" by Bob Drury and Tom Clavin
c.2021, St. Martin's Press,
\$29.99, 400 pages



THE BOOKWORM SEZ
Terri Schlichenmeyer

You're never going to find it.

Not easily, anyhow. You'll have to look in places where you wouldn't think it'd be, beneath, behind and beyond, left, right and in front of you. Don't give up, or you'll never discover what you're looking for. As in the new book "Blood and Treasure" by Bob Drury and Tom Clavin, what you seek is waiting.

While today's pre-teen is often still closely watched by his parents when he leaves the house, 9-year-old Daniel Boone made his own weapon.

Tasked with watching his father's cattle, Boone would sneak off into the woods that ringed the animals' pasture, where he hunted small

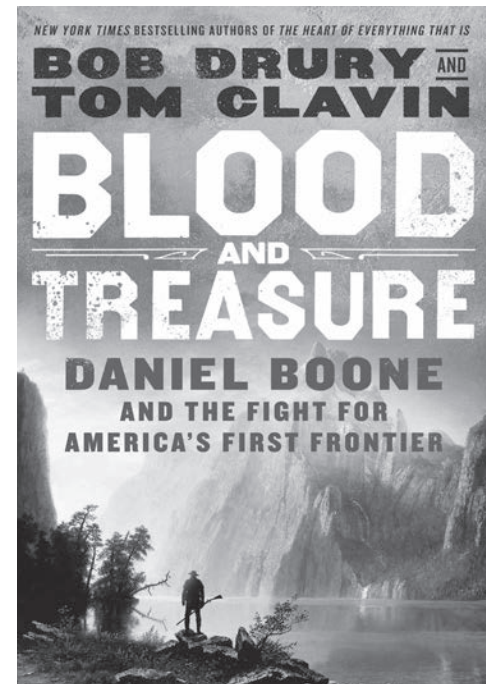
game with a rifle and the "war club" he'd made himself. Before he was a teenager, he'd learned that observing his prey could determine its habits, a skill that allowed him to regularly contribute to the Boone family's meals and supplies.

He was also a keen observer of the area's indigenous people who lived near the family farm in Pennsylvania. By watching them, he learned how to use plants as "potions and salves," how to make a waterproof raft and how to tan the hides of the game he killed. These skills whetted Boone's wanderlust; that his entire family uprooted and moved to North Carolina underscored it further. By age 19, Boone had a "thirst for the 'long hunt'," a odious and dangerous live-off-the-land hunt that could last months; over time, his abilities gained him a reputation as an unbeatable marksman and, though not formally educated, possessor of a keen mind.

He also had a good imagination.

It was during his service in the French and Indian War that Boone learned about a place "the Shawnee called Kanta-ke and the Iroquois Ken-tah-ten," a place that became a "magical kingdom" in his head. Its existence was only hinted-at, its location unknown but, for Boone, Kanta-ke and the "mysterious" Cumberland Gap that led to it became an obsession...

Here's something you'll want to know about "Blood and Treasure": the first word in the title should be in neon. Yes, the mid-1700s weren't all tea-and-crumpets but still, there's a lot of bloodshed inside these pages and it most often comes with wincing



descriptions of horrible torture and death.

The other thing you'll want to know is that authors Drury and Clavin dive canyon-deep into their subject, which means that readers who lack at least a nodding acquaintance with eighteenth-century territories and pre-Revolution wars may be lost in quick order.

And yet, possessing a willingness to search for it, those who come to this book for Boone will be delighted. Drury and Clavin depict Daniel Boone as a charming rascal who gains awe from his friends and begrudging admiration from his foes; he's an easy-going man, quick with a grin, resourceful and a joy to read about.

For that, for anyone who loves the adventurous side of American history, "Blood and Treasure" is a gem. It's full of action, thorough and wide. Look for it. You'll find it.

IMPORTANT Farmland AUCTION

Wednesday, May 26 • 5:30pm | Allen County, IN

Inspection Dates:
Thur, May 13 & 20 from
4-6pm, Meet a Schrader
Rep at Tract 5.

227.5± Acres

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Auction Company
for Equipment
Sale Details!

Property Location: 14228 Arcola Rd Fort Wayne, IN 46818 Auction Location: St. Patrick Church of Arcola Social Hall • 12305 Arcola Rd Fort Wayne, IN 46818

Tract 1: 26± tillable acres w/ frontage on Arcola Rd. Tract 2: 4± acres w/ great potential building site along Arcola Rd. Tract 3 "Swing Tract": 46± acres w/ approx. 40 tillable acres with the remainder being woods. This tract can be purchased w/ Tract 1 & accessed via railroad crossing. Tract 4 "Swing Tract": 50± acres w/ approx. 48 tillable acres. This tract in the past was accessed via railroad crossing from Tract 5. Tract 5: 101.5± acres w/ a large percent of the acreage made up of tillable farmland. This tract also features a 2-story, well maintained farmhouse, machinery sheds, (2) grain bins & pond. Great farmstead potential!

Tracts 3 & 4 can be combined with either Tracts 1 or 5 and/or bid on by an adjoining landowner.

Seller: Edward Butts Irrevocable Trust, Lona Butts (Trustee), Thompson Smith (Attorney for the Estate) Auction Manager: Rex D. Schrader II #AC63001504, #AU09200182

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BINKLEY/VANCE AUCTION

Located at 2230 Cedar Chapel Rd. Hillsboro, Ohio 45133. Follow Harriet Rd. off SR 124 east of Marshall to Sinking Springs Rd. follow to Elmville Rd. turn right then left on Cedar Chapel to auction.

Thur. May 20, 2021 at 4:30 PM.
Tractor 5:00 PM followed by equipment



TRACTOR, HAY EQUIPMENT, TRAILERS & LIVESTOCK ITEMS, HAY

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ESTATE AUCTION SAT., MAY 22, 10 AM INDIANA TIME

LOCATION: 911 600 N., CAYUGA, INDIANA

DIRECTIONS: From St. Rd. 63 & 234 go west 1 mile, to Eugene sign (Elm Tree Rd. becomes Main St. cross bridge becomes 600 North) 2.3 miles to sale site. From St. Rd. 32 at County Rd. 100 west (Flatiron pop. 2) go south 5.5 miles on Co. Rd. 100. WATCH FOR SIGNS.

TRACTORS & EQUIPMENT: JD 4320 (1972) wide front tractor-fenders-SS#T613R 018530R 8843 hrs.-18.4-38 tires & duals-front weights-rear weights-quick hitch, MF 238 w/236 Loader-(1988)-SS#5469000378-(1 owner), Case VAC narrow front (1948) SS#5357575, JD 825IXZUV Gator-4x4-(2011) SS#1M0825GSJBM030096-Case IH 900 Cyclo-6 row 30" planter, 1000 PTO pump, row cleaner SS#JJC0024521, Sure-Trac 24 ft. tilt trailer (2012) SS#B102369506, chisel plow, cultivator, disc, 3 point chisel, Bush Hog #H6429-2, 8 ft. rear blade, 18.4-38 duals on 9 hole rims, UTV sprayer w/bar, JD wheel weights, MF weights, assorted tractors, truck frame dual wheel trailer (no title) air compressor pump.

TOOLS: 5 ton floor jack, R&R jack, McCulloch 7-10 chain saw, Homelite XL127 chain saw, 6 inch bench vise, skillsaw, DeWALT ½ hammer drill, car ramps, chain binders, DeWALT 4 in grinder, hand tools, HD jack stands, 10 inch Associated grinder, nursery lawn cart, nuts and bolts bin, push lawn spreader, wheelbarrow, barbed wire roll, barrel pumps.

ANTIQUES-COLLECTIBLES: Double shovel plow, foot operated grinder/sharpener, tractor seat, barn lantern, old scales, Army ammo boxes. OTHER: 14 bags of pine shavings bedding, pile of scrap metal.

More to be found as we go through the barn.

NOTE: Machinery in nice condition, it's always been shedded. Check Auction Zip week before sale for updated and better pictures.

OWNER: **BLANCHE R. BARNHILL**

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Mielke

FROM PAGE 2B

record into China with more than half of the shipments in the form of whey products."

Dry whey exports totaled 52.7 million pounds, up 37.7 percent from March 2020, and up 32.8 percent year to date from 2020.

Nonfat dry milk exports climbed to a new record monthly high, despite the shipping challenges that existed. Nonfat/skim milk powder totaled 190.8 million pounds, up 38.8 percent, with YTD up 20.3 percent. Shipments to China grew by 12.3 million pounds and marked the highest monthly volume to China since May 2015, according to HGD, though Mexico remained the top destination and up 29 percent.

Cheese exports totaled 81.4 million pounds, up 10.7 percent, and the strongest March on record with volumes reaching nine-month highs. HGD says gains were recorded to Mexico for the first time since last August and cheese exports to Japan were the strongest since June.

Butter shipments totaled 9.2 million pounds, up 170.7 percent, and up 124 percent YTD, highest since June 2014. Demand was most notable to Saudi Arabia, HGD said.

Cooperatives Working Together (CWT) members accepted 17 offers of export assistance this week to capture sales of 352,740 pounds of cheese, 1.213 million pounds of anhydrous milkfat, and 762,800 pounds of cream cheese. The product is going to customers in Asia, and South America through September.

CWT's 2021 exports total 14.5 million pounds of American-type cheeses, 9.9 million pounds of butter, 7.1 million pounds of anhydrous milk fat, 15.7 million pounds of whole milk powder, and 5.5 million pounds of cream cheese.

Cash cheese prices start May heading lower. The Cheddar blocks crept to \$1.8025 per pound Wednesday but closed Friday at \$1.7475, down 5.25 cents on the week, though 44.25 cents above a year ago. The barrels got to \$1.8450 Wednesday, highest since Nov. 12, 2020, but closed at \$1.7275, 10.75 cents lower on the week, 45.75 cents above a year ago, and a more typical 2 cents below the blocks. 19 cars of block sold on the week at the CME and 12 of barrel.

Midwest cheesemakers tell Dairy Market News that spot milk offers

were lighter this week but midweek prices were mostly at sub-Class levels. Cheese output is busy, as flush season is near its peak and cheesemakers are taking advantage of available spot milk discounts before milk yields begin to decline with warming weather. Generally, orders are steady. Food service acquisitions are beginning to level off, but pizza cheese and process producers continue to say loads are moving. Cheese producers are giving mixed notes regarding cheese availability. Some say they are nearly oversold, while others have slowly growing inventories.

Western retail cheese demand was slightly lighter this week and food service demand has been leveling. Inventories of cheese remain mixed; blocks are available but barrels are noted as somewhat firm though some contacts suggest not as tight as in recent weeks. Cheese production continues to be strong, reflecting the abundance of milk in the region. There is some consternation regarding the barrel price continuing to hover over the block price however, cheese producers report market prices are in a somewhat healthy position.

An increase in interest from Chinese importers aided in some contacts viewing the market tones with a little more bullishness, as well, DMN said.

Nate Donnay, StoneX director of Dairy Market Insight, reminds us in his May 6 "Udder Intelligence" that "The Food Box program wraps up this month and the amount of U.S. milk moving through government programs will likely drop from 1.7 percent in May to 0.5 percent in June." Those purchases will have to be made elsewhere.

Butter fell to \$1.7350 per pound Wednesday, lowest since March. 24, 2021, but rallied to close Friday at \$1.77, up 1.75 cents on the week and 48 cents above a year ago. 16 carloads found new homes on the week.

Central butter makers continue to report lackluster retail sales. Food service orders have picked up, but have steadied in recent weeks as pipelines filled up. Cream is tightening, but not tight, DMN said, and availability is reportedly more limited, particularly for churning, as ice cream production seasonally lifts.

Western cream is tightening a bit. Ice cream makers are working through heavy volumes of cream and butter operations are receiving steady supplies to maintain seasonally active production. Inventories are stable.

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- 2014 JD 6150R MFWD Gold Key, LH reverser, power quad, cab & front suspension, RH door, instructional seat, air seat, Greenstar, 3 remotes, 480/80R 42 10 bolt duals, 380/85R33 all Michelin tires, fwt weights & wheel weights, QH, 482.2 hrs, 1RW6150RHEO 14712 • 2007 JD 3720, 4x4 cab heat air, hydro trans, 3 pt, 1 remote 15-19.5 tires, 791 hrs., w/ JD 300X loader & JD 72" belly mower #380840 • 1936 JD D, unstyled, 14-28 cutoff flat spokes, front round cutoffspokes, older restoration #127382 • JD 1780, MaxEmerge XP 6 row, single disc fert, Martin row cleaners, no-til seed opener, 2- 225 gallon fert tanks, #A3LN35557 • 1000 gallon poly tank w/ Honda transfer pump on tandem hitch trailer • TruAg Defender 2E, 2 box seed tender Honda powered, tandem axle, low use • JD 550 500 gal. field sprayer pto pump, 27' boom • Wilmar Super 500, spreader, double fan, 540 pto, hydra engage • 2012 Volvo D13 day cab semi tractor, 405 H Eco Torque engine, Eaton Fuller 10 spd, 3.42 gears, a/c air ride cab & suspension, 2 line wet kit, 295/75R 22.5 tire, all aluminum rims, 198,106 miles, • 2011 Dakota 41' aluminum hopper trailer, 66" sides electric tarp, aluminum rims 22.5 tires • 1994 Trail King RGN trailer, spring ride, 22" well, 9' over rear axles, outriggers, hydra powered 255/70-22.5 Dayton wheels • 2013 Griffin 14'x7' dump trailer, 38" sides, ramps, barn door & top hinge tailgate, 8 lug rims • TruAg fuel caddy, filter 12 v pump filter & hose reel • Miller Trailblazer 325EFI welder/generator, Kohler engine, arc welder, mig & tig compatible, like new • Stone cement mixer w/ Honda engine towable • Ariens 22 ton log splitter, gas powered, like new • Aluminum metal brake • Aluminum cart ramp 38"x13'6" • Dolmar 7900 & 5105 chain saw • Stihl gas leaf blower • Stihl gas pruning saw • (2) Oxy Acetylene torch sets, large & small tanks • DeWalt miter saw • Air jack • Tekton tools • Lincoln auto darkening welding shield • Chains & binders • Husky air compressor • US General rolling toolbox • Honda 20 HP Reddy Pro 1000 watt generator • Honda Trash pumps, 2-4" some are new • 4'x8' wolmanized plywood, full bunk
- 60+ sheets • Dimensional rough-sawn lumber, 2 large piles was stored inside • JD 2230 FH 25" field cultivator, JD knock-on shovels, spike harrow rolling basket w/ down preserve, like new • IH 540 semi mounted 4 bottom 14' plow • JD 712 disc chisel 11 shank, good blades • Massey Ferguson 12' disc, all scrapers, hydra cylinder • Brillion 26' X-fold solid packer • IH 490 disc 20" notched blades, 21" blades • JD 714 9 shank disc chisel, like new, light kit • 2010 JD 9670 STS 2 WD Command Center, instructional seat, J & M bin extensions, lateral tilt, Trelleborg twin 4/4 850/60-38 front 28L-26 rear tires, chaff spreader, 1616/1158 hours, • JD 693 corn head, hydra deck plates #720177 • Gap Hill header cart • JD 620F flex head, full poly, poly snouts & short loop snouts, like new • Frontier G105 grain cart, corner auger, 24.5-32 tires, roll tarp, low use • 2019 Ford F-150 XLT 4x4, crew cab, Eco-Boost, cloth pwr heated seats, backup camera, Trailer Backup Pro, 6'6" bed w/ bed cover, 19,804 miles • 2002 Ford F350 4x4 ext. cab, 7.3 diesel auto trans, 296625 miles • Kubota B7100 4x4 gear drive 1381 hours, 3pt, 48" snowblower • Lawn Vac w/ Duro Max 7 HP blower • Polaris Ranger Crew 4x4, 500 EFI 198.4 hours, 1304 miles, wind shield • Bobcat T190 Track Loader, enclosed cab, air conditioner, Bob tach, switchable controls, 66" bucket, 978.5 hrs • TCM 700 series 30 forklift, reg gas, 5600#, 147", 48" forks, side shift, 28x9-15 dual pneumatic tires, 1259 hrs. • Cat 6000# fork lift, pneumatic tires, LP gas, side shift, 2 stage, 48" forks, 2139 hrs • 3 pt. boom • Frontier 66" rock bucket, fits JD 300 loader • Ford 5' 3 pt rotary mower • Rockhound 60A rock rake • King Kutter 6' 3 pt landscape rake • Bale spear • 7 section scaffolding w/ rollers • Several aluminum work planks • MTD front tine tiller, 6 HP • Trencher for skid steer 60" • J & M gravity wagon on JD gear adjustable tongue, 11L-15 tires • 72" double grapple root bucket • Frontline 72" hydra drive brush mower • 66" material bucket • Electric cement mixer • Stump/rock bucket • Bobcat hydra post hole auger, 12" auger • 48" forks • 2015 Case 750M LT Dozer, 18" tracks NFDC7011, power shift, joystick, 89.3 hours, full cab heat & air • 2014 Case 580 Super N WT, Cab A/C, 4x4, ride control, ext. hoe, pilot controls, 21L-24Rear tires, 12.5/80-18 front tires JIGN58WTTCT710150

Inspection Dates: Saturday, May 8 • 10am-1pm & Tuesday, May 18 • 10am-2pm

Seller: Burt Franks Estate, Kevin Shannon Personal Representative
For More Information, Please Contact: Eric Ott • 260.413.0787 or Robert Mishler • 260.336.9750

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PUBLIC AUCTION

SATURDAY, MAY 22ND AT 10:00 AM

6055 ST. RT. 734, JAMESTOWN, OHIO 45335

PARTS TRACTORS: Approx 50: Massey Ferguson, Oliver, Case, John Deere, Ford, Farmall, Minneapolis Moline, Allis Chalmers, International. (2) Backhoes (1 CK Case, 1 Ferguson), I.H. All Terrain Forklift, (2) John Deere 3225 B Golf Course mowers, 12ft back wing golf course pull type mower, black top roller.

TRAILERS/WAGONS: 14ft stock trailer, 16ft tandem heavy duty trailer, 3 older wagon running gears, 4ftx8ft mower trailer (single axle), 16ft stock trailer, 12ft tandem axle trailer flatbed, 12ft tandem axle trailer frame, 16ft tandem flat bed trailer, approx. 8 trailer axles, Lg assort of trailer rims, Lg assort of STEEL tractor/wagon wheels, 4ftx4ft single axle trailer, car transport dolly, 3ftx6ft 2 wheel utility trailer, News Work Minnie gravity bed wagon, 12ft tandem flatbed trailer w/36in sides, wrecker bed, tractor dolly-tricycle front end.

FIELD EQUIPMENT: 6ft rotary hoe, John Deere 7000 6 row planter, IH 4 row corn head, (3) one bottom plows, Old Barn hay hook, approx. 20 plow shears, (2) pull type 2 bottom plows on steel, (2) transport augers 8in (one 42ft, one 24ft), 3 point hay bale mover, IH straw blower, drag disc, (4) 2 bottom plows on rubber, (2) Anhydrous tanks, 1000gal Anhydrous tank on running gear, 14ft wheel disc, John Deere RM 4 row 3 point cultivator, 8ft Minneapolis Moline drill on steel, 8ft drag disc, one row setter, set of sprayer booms, 5ft 3 point Bushog mower, 1000gal plastic tank on trailer, 900gal plastic tank on trailer.

BARN/GARAGE/PARTS: (3) work benches w/vise, 10 ton bearing press, Miller Fialarc HF-P stick welder, Airco Dip Stock 160 mig welder, approx. 50 motors (in-

dustrial, tractor and truck), metal Lazy Susan parts bin (good condition), electric cement mixer, misc. tractor seats, assortment of tractor tires and wheels, 4ft S.S. pig feeder (good condition), pickup truck fuel tank, gas powered industrial winch, (2) gas powered industrial compressors, (2) golf carts, assort of tractor mufflers, (3) inground propane tanks, set of 9ft dozer tracks, engine puller, (3) galvanized water tanks, 2 sets of 3 point pallet forks, misc. scaffolding on trailer, assort of tractor tanks, assortment of tractor fenders, fork lift boom, misc. suitcase weights, misc. wheel weights, Stationary mechanics auto rack (complete w/ 5ft tall, 7 1/2ft wide, 20ft long w/ ramps), steel & plumbing storage racks, 8ft metal roll around A-frame hoist, assortment motor starters, manure bucket, 5 step steel platform, old Ditch Witch ditcher parts, (5) stand up fuel tank, misc. fuel tanks (275 & 500), (2) 200gal plastic tanks, (2) 1650gal plastic tank, (2) backhoe buckets, 6ft Woods mower deck, Cushman utility dump truck, Cushman golfcart, wood car ramps, 24in backhoe bucket, Dixon Zero Turn mower, P.T.O. driven welder generator, street sweeper attachment, 4ftx2ftx5ft steel safe, truck motor w/transmissions, (4) John Deere 3 cylinder diesel motors, (2) John Deere diesel combine motors, (3) Onan generators, 2 gravel pit clam buckets, hydraulic cider press, automatic apple washer w/conveyers, 155gal refrigerator S.S. tank, hand corn sheller, assortment of "I" beams, (2) woods zero turn mowers, (2) 8ft rollup doors, 18ft metal fire escape stairs, assortment of lumber, assort. of wood beams, wood mulcher, 100+ pallets of misc. items.

NOTES: Most equipment is in rough condition, all items will be selling in as-is condition. We will be running TWO rings. This is a great auction for tractor parts & scrap buyers.

Please visit auctionzip.com to view all pictures. Some items are unseen

Statements made day of auction take precedence over any and all written material.

TERMS: Cash, Checks w/ proper identification, Visa/MasterCard accepted. NO CREDIT CARD FEE. NO BUYER'S PREMIUM. Concession will be available. Not responsible for accidents.

MIKE'S AUCTION SERVICE

Phone (937)-477-8201

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AUCTIONEER APPRENTICE: PAUL SAMPSON

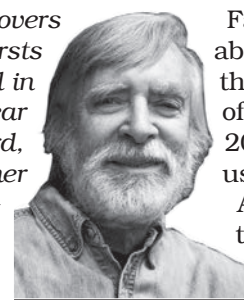
AUCTIONEERS:

MIKE R. BROWN, DAVID LANGFORD, DOUG MIDDLETON, SAMANTHA GILLILAND
LICENSED IN FAVOR OF THE STATE OF OHIO

OWNERS: BILL & JANIE MORRIS FORMALLY M&H FARM EQUIPMENT

May 15 a good target date for fields, gardens to be planted

The grass of spring covers the prairies, The bean bursts noiselessly through the mould in the garden, The delicate spear of the onion pierces upward, The apple-buds cluster together on the apple-branches.... - Walt Whitman



POOR WILL'S ALMANACK
By Bill Felker

The Moon and the Sun

The Cottonwood Cotton Moon was new at 2 p.m. on May 11 and reached apogee, its position farthest from Earth, at 5 p.m. the same day. It waxed throughout the week, and will enter its second quarter at 2:12 p.m. on May 19. Rising in the morning and setting in the evening, this moon passes overhead in the middle of the afternoon. Fish and animals should be more active with the moon above you before the cold fronts of May 15 and 20.

Weather Trends

May 15 is a good target date for having fields and garden plots planted in order to avoid a serious delay in seeding. As May comes to a close, the "Strawberry Rains" often reduce time available for outdoor work.

Zeitgebers

(Events in Nature that Tell the Time of Year)

This is the time when the 17-year cicadas (with their distinctive reddish bodies) emerge in locations throughout the Ohio Valley. Watch for them to swarm during the next two weeks, buzzing in their mating frenzy.

Poppies are open in the garden, and the great spring dandelion bloom, which just departed the Ohio Valley, is traveling toward the Canadian border.

Summer hosta leaves are about full size. Ferns, nettles, day lilies, comfrey and summer phlox have reached almost 2 feet. Wild cucumber sprouts along the rivers.

After apple blossoms fall, the best time of all arrives for forget-me-not, ragwort, watercress, wild geranium, swamp buttercup, late winter cress, white spring cress and the wild purple phlox. Flea season has begun for dogs, cats and farm livestock.

Spitbugs hang to the parsnips. Half of the season's new ducklings and goslings swim the creeks. Poison ivy - like the Virginia creeper and wild grapes - develops to a third of its June size. Rose of Sharon and the green ash finally begin to leaf. The foliage of ginkgoes, sycamores, witch hazels and sweet gums is all a third to half of full size. Maples fill out quickly. All the sweet gum flower clusters fall as chives blossom.

Bullfrogs and green frogs call. Minnows and chubs have turned a reddish-gold for their mating seasons.

Countdown to Spring

- One week until roses bloom and thistles bud.
- Two weeks until the first strawberry shortcake.
- Three weeks until cottonwoods bloom and send their cotton through the air.
- Four weeks to the first mulberry pie.

Mind and Body

The S.A.D. Index, which measures seasonal stress on a scale from 1 to 100, falls into the harmless 20s on May 15, then reaches into the teens by the 18th. No one should suffer from Seasonal Affective Disorder this week. On the other hand, the likelihood of spring fever increases.

In the Field and Garden

Farmers have often planted about half the field corn throughout the region, and a fifth of the seeds have emerged. About 20 percent of the soybean crop is usually sown by now.

A fifth of the processing tomatoes are typically in the ground, and four out of every ten stalks of winter wheat have jointed. Alfalfa is budding, and cutting begins in southern counties of the Ohio Valley. Strawberries have set fruit. In the warmest Mays, some berries are ripe. Insect activity nears the economic threshold in the field and garden.

ALMANACK LITERATURE

So Many Memories

By Stan Thomas, Asheville, Ohio

This letter is in response to your March 4 article by Shirley Crawford about attacking roosters and outhouse times.

I too grew up on a farm, one of 160 acres, in Illinois with no bathroom. We didn't have chickens, but the neighbor did, and I got chased by them a time or two. I can still see the neighbor chopping heads off chickens and having them flop around the barnyard.

The outhouse was another experience and not fun. I never could sit down on a cold seat and was afraid of snakes waiting on ledges down below.

I never forgot those outhouse experiences. And it was hard being without what these days we think of as "modern" bathrooms. Back then, we got sink baths in the kitchen during winter and then we huddled by the oil-fired floor furnace.

We moved off the farm to another rural home when dad couldn't make it on 50 percent sharecrop income. I was 13 then in 1959. So many memories of those days growing up on a farm!

Poor Will Needs Your Stories

Poor Will pays \$4 for unusual and true farm, garden, animal and even love stories used in this almanac. Send yours to Poor Will's Almanack at wlfelker@gmail.com or to the address below.

ANSWERS TO LAST WEEK'S SCRAMBLER

In order to estimate your SCRAMBLER 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.

TERTUB	BUTTER
CUTRET	CUTTER
ULCTETR	CLUTTER
LFURTET	FLUTTER
RETTUG	GUTTER
RTETMU	MUTTER
TUPTRE	PUTTER
SHURETT	SHUTTER
TETRLUSP	SPLUTTER
TRSUTETR	STRUTTER

THIS WEEK'S RHYMING SCKRAMBLER

LUBTSRE
USBRET
RETSULC
TERDUS
RETULF
USJRET
ERUSTL
MUTSRE
RESTRUHT
TRUSTER

Poor Will's Almanack for 2021 (with the S.A.D. Index) is still available. For your autographed copy, send \$20 (includes shipping and handling) to Poor Will, P.O. Box 431, Yellow Springs, Ohio 45387.

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Interested in selling?

Contact the farm real estate experts at Halderman.

YOU GAIN: Your valuable time and the **maximum sale price** for your property. At Halderman, we provide you the service you deserve.

FEATURED LISTINGS

Wells County, IN: Agland Grain, Inc.
11.13[±] Acres Contact: Rick Johnloz 260.827.8181

Hamilton County, IN: 164.48[±] Acres • 6 Tracts
Country Estate Lots | Recreational Land

Tract 1: 96.78[±] Acres for **\$798,400** - pending

Tract 2: 10.1[±] Tillable Acres for **\$181,800** - pending

Tract 3: 10.1[±] Tillable Acres for **\$181,800** - pending

Tract 4: 17.5[±] Acres (mostly tillable) for **\$315,000**

Tract 5: 15[±] Acres (mostly tillable) for **\$270,000** - pending

Tract 6: 15[±] Acres (mostly tillable) for **\$270,000** - pending

Contact: Sam Clark 317.442.0251, Jaret Wicker 765.561.1737, or Jim Clark 765.659.4841

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Virtual Online Auction! Bid @ www.SullivanAuctioneers.com

JACKSON COUNTY, IOWA REAL ESTATE AUCTION

WED., JUNE 9 AT 10:00 A.M.



PHYSICAL ADDRESS: 18140 33RD ST., MAQUOKETA, IA 52060

OPEN HOUSE: WED., MAY 26TH • 10 A.M. - 12 NOON

Tract 1 features the Maquoketa Livestock Sales facility situated on over 33 acres. This is an unprecedented opportunity to purchase an ongoing livestock auction facility which handles several thousand head of livestock each year. This property is conveniently located in one of the highest populated areas for cattle in the entire state of Iowa. **Tract 2** offers a 2-story, 3-bedroom home and **Tract 3** includes a 3-bedroom ranch-style home. If you have ever had any aspirations to be in the livestock auction industry, this is an auction that you will not want to miss! **ALSO SELLING:** Pickup, gates, feed bunks and more!


MAQUOKETA LIVESTOCK SALES
Attorney: William McCullough | Davenport, IA | (563) 326-4060
AUCTION MANAGERS: JIM HUFF (319) 931-9292 & JOHN PROBASCO (641) 856-7355

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WOODFORD & TAZEVELL CO., IL LAND AUCTION

WEDNESDAY, JUNE 16 @ 10:00 A.M.



135± ACRES
 (Subject to Survey)
 3 TRACTS

The farm is located approximately 1 mile north of Deer Creek, IL or 3 miles Northwest of Goodfield, IL (15 miles east of Peoria or 20 miles northwest of Bloomington, IL). The property is further described as being located in the South Half of Section 3, T25N-R2W, Montgomery Township, Woodford County, IL, and in the East Half of the Southeast Quarter of Section 4, T25N-R2W, Deer Creek Township, Tazewell County, IL.

All 3 tracts represent nearly all tillable, Class A farmland with two of the tracts having been pattern tiled. Farmers and investors, be sure to check out this property which has had the best of care, is in a high state of fertility and has an excellent yield history.

RODNEY CORNWELL FARM
 KARYN CHILDERS AND CRAIG CORNWELL
 Representing Attorney: Thomas A. Jennings
 Livingston, Barger, Brandt & Schroeder, LLP
 115 W. Jefferson Street | Bloomington, IL 61701 | (309) 828-5281

AUCTION MANAGER: Kevin Haas (309) 264-7767

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FULTON COUNTY, ILLINOIS LAND AUCTION

THURSDAY, JUNE 17 @ 10:00 A.M.

137.75± ACRES • 1 TRACT



Land is located approximately 1 mile south of Ipava, IL. From the east edge of Ipava on Highway 136, take County Highway 2 south 1 1/2 miles to E. Quarter Road, then west 1/2 mile to the farm. (Ipava is located approximately 10 miles east of Lewistown or 20 miles west of Macomb, IL).

The property is further described as being located in the East Half of the Northwest Quarter and the North Half of the Northeast Quarter, all in Section 18, T4N-R2E, Pleasant Township, Fulton County, IL. Farmers & investors, be sure to check out this nearly all tillable, NHEL high producing farm.

MARY LOUISE KELLOGG TRUST
 KNOWN LOCALLY AS THE FLEMING FARM
 STEPHEN W. MILLER & JANE F. MILLER TRUSTEES
 Attorney: Stephen E. Holland | Holland & Holland
 397 W. Main Street | Bushnell, IL 61422 | (309) 772-3178

AUCTION MANAGERS:
 John Sullivan (309) 221-6700 and Kyle Ferguson (309) 255-8353

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TIMED ONLINE • NO-RESERVE FARM RETIREMENT AUCTION

BIDDING CLOSSES WEDNESDAY, JUNE 16, 2021 STARTING AT 10:00 A.M.



ITEMS LOCATED AT:
 5538 27th Ave Dr., Vinton, Iowa

INSPECTION: FRIDAY, JUNE 11TH • 9 A.M. - 3 P.M.

HIGHLIGHTS: 2014 John Deere 6170R MFWD tractor w/ JD 660R loader, 7,293 hours; 2003 John Deere 8320 MFWD tractor, 10,211 hours; 1994 John Deere 8200 MFWD tractor, showing 5,057 hours; John Deere 7710 MFWD tractor w/ Buhler 895 loader, showing 6,918 hours; John Deere 7610 MFWD tractor w/ Buhler 895 loader, showing 7,725 hours; 2008 John Deere 3320 MFWD tractor w/ JD 300CX loader, 1,276 hours; 1988 Case-IH 7140 MFWD tractor; 1989 Case-IH 7120 MFWD tractor; IH 1086 tractor; IH 86 hydro tractor; 1966 Farmall 806 tractor; 1968 IH 756 diesel tractor; 1971 IH 756 gas tractor; 1968 IH 756 diesel tractor; Bobcat S450 skid loader; Nissan LP forklift; 2010 John Deere 9770STS 2wd combine, 3,385 eng./2,540 sep. hours; 2010 MacDon FD70 40' flexdraper platform; John Deere 608C corn head; Benda 40' head hauling cart; Unverferth HT25 head hauling cart; Kinze 3600 16 row 30" Twin Line planter; Kinze 2000 8/16 row planter; Great Plains 15' grain drill w/ grass seed; Brillion SST-14-01 12' 3pt. seeder; Kuhn-Krause 4810-17 "Landsaver" 17 shank disc/chisel; Horsch "Joker RT-300" 30' vertical tillage tool; McFarlane RD-4030-RB 28' vertical tillage tool; Kinze 1040 "Row Crop" grain cart; Westfield MKX100-81 swing away auger; Westfield MK100-81 swing away auger; Westfield MK100-61 swing away auger; Feterl 10" x 36' truck auger; (6) Killbros 375 bu. gravity wagons; MacDon M150 self-propelled windrower; Pottinger Top 702 C2 rotary rake; H&S BW1000 in-line bale wrapper; Highline Bale Pro CFR650 bale processor; Houle 6000 gal. liquid manure tank; John Deere HX10 10' rotary mower; Westendorf 10' box blade; Quick attach 6' skid loader mounted brush mower; 2004 IH "Eagle" 9400i semi, 875,659 miles; 2005 Wilson 41' hopper bottom grain trailer; 1999 Sterling tandem axle silage truck, 191,313 miles; 1992 Mack CH613 tandem axle silage truck, 129,349 miles; 1991 Mack CH613 tandem axle silage truck, 175,682 miles; 1979 Ford 9000 tandem axle silage truck, 128,000 miles; 2017 Chevy 1500 LTZ 4wd pickup, 85,300 miles; 2015 Chevy Silverado 2500 LTZ 71 4x4 crew cab pickup, 150,662 miles; 2002 Chevy 3500 4wd pickup, Duramax engine, 163,476 miles; 2006 Chevy Silverado 2500 4wd pickup, 206,697 miles; 1995 Chevy Silverado 2500 4wd pickup, 170,505 miles; 1995 Chevy 1500 4wd pickup, 225,787 miles; 2012 Load-Trail 7' x 14' flatbed trailer w/ 500 gal. fuel tank, Honda engine & hose reel; 1997 Dyna Weld 33' detachable trailer; 2001 Wilson 7' x 24' aluminum livestock trailer; 1999 Kiefer 7' x 20' steel livestock trailer; 2008 Load-Trail 102" x 40' flatbed trailer; Fruehauf 40' flatbed trailer; Delta 102" x 30' flatbed trailer; 2013 JD 2920 M zero turn lawn mower; Large selection of other quality farm equipment & other farm support items.

BIRKER INC. • KEN BIRKER & BOB BIRKER
EQUIPMENT QUESTIONS: BOB BIRKER (319) 560-6161 OR MATT BIRKER (319) 560-9563
AUCTION MANAGERS: JEFF HOYER (319) 759-4320 CRAIG HOYER (319) 931-7016 • JIM HUFF (319) 931-9292

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HANCOCK COUNTY, ILLINOIS LAND AUCTION

THURSDAY, JUNE 17 @ 1:00 P.M.

145.76± ACRES • 3 TRACTS



OPEN HOUSE:
 Sat., June 5th • 10 AM - 12 Noon

FARMERS, INVESTORS AND COUNTRY HOMEBUYERS - BE SURE TO CHECK OUT THIS PROPERTY.

The farm is ideally located at the east edge of Carthage, IL along Highway 336 and is further described as being located in Northeast Quarter of Section 20, T5N-R6W, Carthage Township, Hancock County, IL. Tract 1 represents nearly all-tillable, productive Class A farmland. Tract 2 is a small parcel with productive soils and potential for commercial development. Tract 3 consists of an attractive country home with farm outbuildings and situated on approximately 3 acres.

DONALD & NORMA WHEWELL ESTATES
 Representing Attorney: Albert V. Ancelet
 Capps, Ancelet, Icenogle & Wallace
 55 S. Adams Street | Carthage, IL 62321 | (217) 357-2107

AUCTION MANAGERS:
 Randy Sharpe (217) 357-4993 and John Sullivan (309) 221-6700

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AHW

TIMED ONLINE • NO-RESERVE DEALER INVENTORY REDUCTION AUCTION

BIDDING CLOSSES TUESDAY, JUNE 15, 2021 STARTING AT 10:00 A.M.

ITEMS WILL BE LOCATED AT AHW'S GIBSON CITY, ILLINOIS LOCATION

TRACTORS
 2020 John Deere 8345R MFWD, 597 hrs
 2020 John Deere 8320R MFWD, 389 hrs
 2019 John Deere 8270R MFWD, 354 hrs
 2012 John Deere 9560RT track, 3,685 hrs
 2014 John Deere 9510R 4WD, 2,756 hrs
 2013 John Deere 9510R 4WD, 2,680 hrs
 2012 John Deere 9410R 4WD, 4,363 hrs
 2014 Kubota M110 MFWD, 700 hrs
 2007 New Holland TN70A MFWD, 820 hrs

COMBINES
 2018 John Deere S780, 898/576 hrs
 2018 John Deere S780, 898/640 hrs
 2018 John Deere S780, 1,006/775 hrs
 2018 John Deere S780, 1,030/733 hrs
 2018 John Deere S780, 1,464/1,085 hrs
 2017 John Deere S680, 1,060/802 hrs
 2017 John Deere S680, 1,383/1,055 hrs
 2017 John Deere S680, 1,442/1,071 hrs
 2017 John Deere S680, 1,637/1,351 hrs
 2016 John Deere S680, 1,396/842 hrs
 2015 John Deere S680, 1,783/1,296 hrs
 2014 John Deere S680, 1,654/1,308 hrs
 2014 John Deere S680, 1,627/1,223 hrs
 2014 John Deere S680, 1,782/1,231 hrs
 2014 John Deere S680, 2,272/1,527 hrs
 2013 John Deere S680, 2,194/1,708 hrs
 2015 John Deere S670, 1,364/1,043 hrs
 2015 John Deere S670, 1,783/1,239 hrs
 2014 John Deere S670, 1,993/1,442 hrs
 2013 John Deere S670, 2,126/1,607 hrs
 2014 John Deere S660, 1,328/1,035 hrs
 2012 John Deere S660, 2,059/1,473 hrs
 2010 John Deere 9870 STS, 2,722/1,950 hrs
 2015 Case-IH 8240, 2,258/1,553 hrs
 2014 Case-IH 8230, 3,029/1,954 hrs
 2007 Case-IH 7010, 3,374/2,579 hrs
 2006 Case-IH 2377, 2,941/2,028 hrs
 2015 Claas 750, 1,198/872 hrs
 2013 Claas 750TT, 2,457/1,549 hrs

SPRAYERS
 2017 John Deere R4045, 3,893 hrs
 2015 Hagie STS12, 1,501 hrs
 2014 Case-IH 4430, 3,717 hrs
 2016 Hagie NTB40 applicator bar
 2017 New Leader 3000 G4 dry spreader box

TILLAGE
 (2) Case-IH 330 Turbo vertical tillage tools

EQUIPMENT QUESTIONS
BRENT BOWEN
(217) 493-4750

SULLIVAN AUCTIONEERS, LLC

AUCTION MANAGERS
 Luke Sullivan (309) 371-5214
 Matt Sullivan (309) 221-7001

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HANCOCK COUNTY, ILLINOIS LAND AUCTION

FRIDAY, JUNE 18 @ 10:00 A.M.

160 ACRES±
 2 TRACTS



Representing Attorney:
 Christopher G. Scholz
 Scholz, Loos, Palmer,
 Siebers & Duesterhaus LLP
 625 Vermont | Quincy, IL 62301
 (217) 223-3444

The farm is located approximately 4 miles northwest of Plymouth, IL, just west of St. Mary along the Colmar to Denver Road (13 miles southeast of Carthage or 20 miles southwest of Macomb, IL). The property is further described as being located in the South Half of Section 10, T4N-R5W, St. Mary Township, Hancock County, IL.

Tract 1 is nearly all-tillable, productive Class A farmland and Tract 2 is improved, open pasture land.

LEWIS A. AND MARGARET A. PAYNE TRUST
 MATTHEW PAYNE | KEVIN PAYNE | REBECCA PAYNE
AUCTION MANAGERS: John Sullivan (309) 221-6700 & Dan Sullivan (319) 795-1833

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TIMED ONLINE • NO-RESERVE DEALER & FARMER AUCTION

BIDDING CLOSSES: MONDAY, JUNE 21 & TUESDAY, JUNE 22 STARTING AT 8:30 A.M. BOTH DAYS

CONSIGN NOW!

TO CONSIGN, CALL AUCTION MANAGER:
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 OR EMAIL: Zach@SullivanAuctioneers.com

EARLY ADVERTISING DEADLINE: Tuesday, June 1st
LAST DAY TO CONSIGN AND DELIVER ITEMS: Friday, June 11th



HIGHLIGHTS INCLUDE: Tractors, Combines & Heads, Planters & Drills, Tillage Equipment, Hay & Forage Equipment, Livestock Equipment, Construction Equipment, Trucks & Trailers, ATV's & Mowers, & more!

Items will be located at Sullivan Auctioneers' facilities in Indiana, Illinois & Iowa and other offsite locations

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