

HEMP PRODUCTION
WORKSHOP

Hemp
thrives in
best soils

Prepare firm,
shallow seedbed
for successful crop

By **Martha Blum**
AGRINEWS PUBLICATIONS

FREEPORT, ILL. — Field selection is the most important criteria for planting industrial hemp. “We are looking for well-drained soils, sandy to loamy soils,” said Bryan Parr, agronomist for Legacy Hemp. “Heavy clay soils tend to be an issue because they hold moisture longer and this crop does not like wet conditions.”

Hemp is planted about mid-May with a target of 50-degree soil temperature.

“No herbicide is available for this crop, but it is pretty competitive with weeds,” Parr explained during a presentation at the Industrial Hemp Production Workshop organized by the University of Illinois Extension. “So, it is not as necessary to use an herbicide because of its competitiveness.”

Although hemp is a drought-tolerant crop, the agronomist said, it needs from 10 to 15 inches of moisture in a growing season.

“Excess moisture is bad for this crop especially after the first several days of planting,” Parr said. “Since hemp does not like wet conditions, it will just sit there until the soil dries out.”

However, grassy weeds like foxtail and barnyard grass like wet conditions and will grow.

“That’s why we need to plant hemp in well-drained soils because if we have really wet conditions, that can lead to significant yield loss,” Parr said.

“If you want to make money planting hemp, it needs to go on your best soils,” he said. “Of those fields, it needs to go on fields with the least amount of weed pressure and avoid any fields that have a history of white mold.”

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FAMILYFARMED’S GOOD FOOD EXPO



PROVIDED PHOTO

Mariah and Greg Anderson’s side business of 300 mums has blossomed into 15,000 mums, eight acres of produce and a full-time job for Greg. Triple M Farm: Mariah’s Mums and More in DeWitt County, Illinois, was named the Routes to Farm Beginning Farmer of the Year at FamilyFarmed’s Good Food Expo in Chicago.

MUMS THE WORD

Couple saluted as Beginning Farmer of the Year

By **Karen Binder**
AGRINEWS PUBLICATIONS

CHICAGO — In the heart of corn and soybean country in DeWitt County are strawberries, tomatoes, carrots, turnips, pumpkins and more fresh food perfect for any dinner plate.

There are even mums, sunflowers and other fresh flowers to complement those plates, thanks to Triple M Farms: Mariah’s Mums and More, eight miles east of Clinton. Owners Mariah and Greg Anderson were saluted last month by the Routes to Farm sustainable agriculture organization as its 2019 Beginning Farmer of the Year at FamilyFarmed’s Good Food Expo in Chicago.

Illinois Stewardship Alliance, one of 14 sustainable agriculture organizations belonging to Routes to Farm, nominated the Andersons for

Learn more
Mariahsmums.com
ILstewards.org
Routes2farm.org

the award.

“Beginning farmers are so important because they are the farmers who are laying the groundwork for our future food system. Twenty to 30 years from now, they are the ones who will have shaped our landscapes, our ecosystems and the health of our local communities and local economies. This is incredibly important, risky and difficult work,” said Molly Gleason, Stewardship Alliance communications director.

She pointed out that the Andersons have “built from scratch a vibrant, diverse farm

that uses sustainable practices and feeds their community, and even invites the community to be a part of their farm, and goes out into the community, as well.”

Here’s what to know about the Andersons and Triple M Farm:

■ This is their 10th season of mums and sixth for produce. “This all started with an idea around the kitchen table 10 years ago with no aspirations to do what we do now,” Mariah said. They started with 300 mums and now grow 15,000, and five years ago launched their produce growing on an acre or so and now grow on eight acres.

■ Their sales range from farmstand and CSA food subscriptions to local grocery stores.

See **MUMS**, Page A4

Power
of food

Expo showcases
local, sustainable

By **Karen Binder**
AGRINEWS PUBLICATIONS

CHICAGO — If there’s a platform that helps connect Chicago consumers with small farms in the Chicago “foodshed,” it’s FamilyFarmed’s Good Food Expo.

For the past 15 years, organizers with FamilyFarmed have gathered farmers, distributors, buyers, chefs, agencies, scientists, financiers and consumers to learn more about the local and sustainable food bounty in the surrounding four states.

“We’ve got work to do through the power of farmers,” said Walter Robb, the former Whole Foods CEO who brought good food to a global marketplace.

At the opening of the expo, FamilyFarmed Founder and CEO Jim Slama asked Robb what accomplishments good food has achieved in recent years.

“The big accomplishment is that good food matters, quality of food matters, how the food is produced matters, how a business conducts itself matters, the sense of taking some responsibility in a community. All of these things matter,” Robb said.

“I see this is not a quiet revolution. This is a major revolution. The food industry is being shaped into its very core and the opportunity to reshape this world through the power of food and agriculture is nothing short of stunning,” he said.

He went on to mention that transparency in food production, reducing food waste and equal access to quality food are only a few forces shaping the food industry today.

See **POWER**, Page A4

Good Food
Leadership Awards

Business of the Year: Luke Saunders, Founder and CEO, Farmer’s Fridge, farmersfridge.com

Advocate of the Year: Arthur Neal, formerly a deputy director of USDA Agricultural Marketing Service, recently promoted as deputy director of the Federal Grain Inspection Service, ams.usda.gov.

Learn more at familyfarmed.org.



AGRINEWS PHOTO/KAREN BINDER

Is the farm-to-table trend over? Not according to this Good Food Expo panel, including Casey Cora (from left), Frontera Farmer Foundation; Dave Rand, Local Foods distribution; Mitchell Davis, James Beard Foundation; Greg Gunthorp, Gunthorp Farms, LaGrange, Indiana; and Amy Randazzo, Grani’s Acres, Fairburg, Illinois

Farm-to-table gets fresh look

By **Karen Binder**
AGRINEWS PUBLICATIONS

CHICAGO — “Farm to table” is a phrase that has been appearing in restaurants for the past 25 years or so.

While the definition has taken years to filter down to mean how a chef works locally grown or produced food into a dish, menu or even the whole restaurant, there are some folks in the food industry who either

never believed in the movement, that it has lost its edge to attract consumers or that it was trendy and is fading for other trends.

Mitchell Davis of the prestigious James Beard Foundation, which promotes food culture, recently hosted a panel discussion about the current taste level of the farm-to-table movement between farmers, distributors and restaurateurs at the Good Food Expo last month in Chicago.

Davis asked the panel: “Are we past peak farm-to-table in some way? That could be in a good way or a bad way, depending on who you are. Where are we today?”

“This is my eighth season. I think there’s a lot more competition than when I started. For me, we’re going to switch our whole tactic this year. We’re going strictly value added. Farmers markets don’t work so well for me. It’s a very long day

for very little sales. We’re going to focus on wholesale.”

Amy Randazzo, Grani’s Acres
FAIRBURY, ILLINOIS

“We’re working more with younger generation chefs who kind of grew up with farm to table 20 to 25 years ago when that term was en vogue or new. A lot of chefs have embraced this.

See **FRESH**, Page A4

CORN SCOOPS...



News Briefs from
Illinois Corn Growers
Association & Illinois Corn
Marketing Board

www.ilcorn.org

TELL EPA YOU SUPPORT YEAR-ROUND E15

The Environmental Protection Agency has issued a proposed rule that has the potential to make the selling of year-round E15 a reality this year.

It's time to remove the outdated barrier to year-round sales of E15. Farmers benefit from increasing sales of higher blends of ethanol through growing demand for corn, while consumers benefit from lower fuel prices and lower emissions. Retailers want to offer this fuel. Farmers need to help ensure obstacles to year-round E15 sales are removed.

Currently, the proposed rule for E15 is paired with a complex proposal to change rules for Renewable Identification Numbers (RINs), the credits that demonstrate compliance with the RFS. An effective RIN market helps drive more ethanol blending, but some provisions in EPA's proposal could have the opposite effect. While EPA wants to move the E15 and RIN market rules together, we need EPA to ensure the RIN market proposal is fair to those who are blending more biofuels and not tilted in favor of refiners who choose not to blend.

To ensure that E15 sales are not interrupted, we need your help today! The comment period closes April 29th!

Please visit <http://bit.ly/supportE15> and follow the simple steps to send your comments to the official EPA docket. More information can be found on the IL Corn homepage at www.ilcorn.org.



BRIEFS

Master Gardener Plant Sale May 4

DECATUR, Ill. – Plant with a purpose this year by shopping the annual Master Gardener Plant Sale, which supports community volunteer projects. From 9 a.m. to 2 p.m. May 4, shoppers can browse hundreds of varieties of plants at the Macon County Fairgrounds, 3700 N. Westlawn Ave., Decatur.

The sale will have a wide variety of plants fit for every space, from houseplants to large landscapes.

Master gardeners will be available throughout the sale for plant consultations.

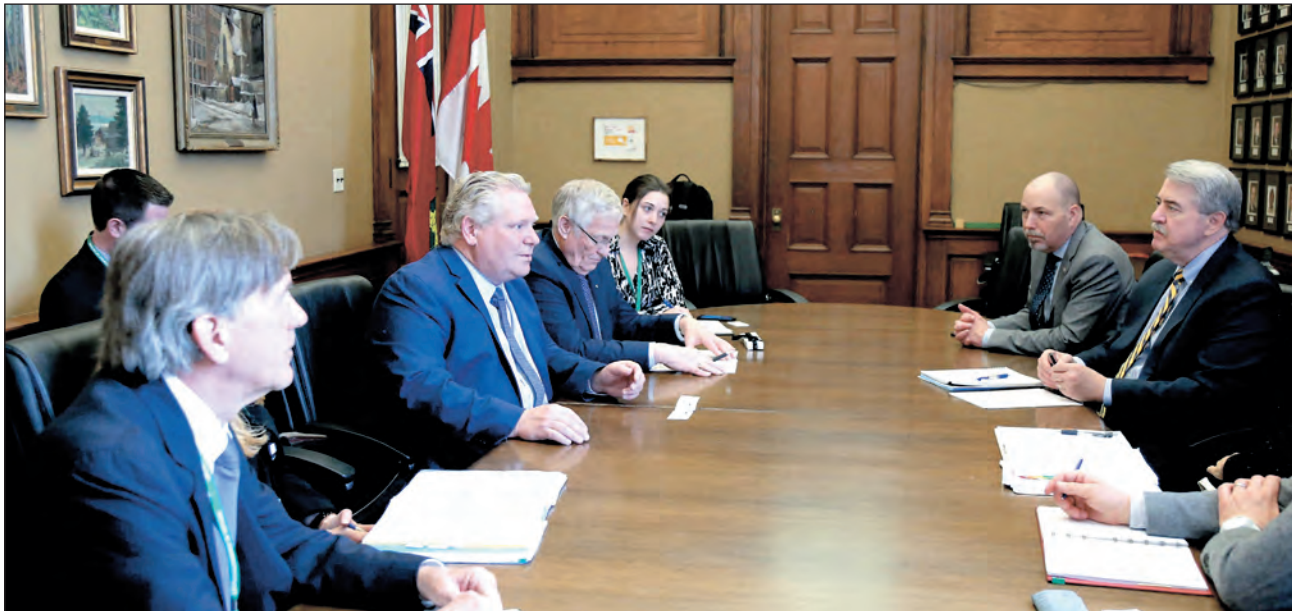
Proceeds from the event support volunteer community gardening projects, a college schol-

arship and scholarships for master gardener training. For more information, call 217-877-6042.

'Snakes and More' program April 27

AROMA PARK, Ill. – Dakota Henn, a zoology student from Olivet Nazarene University, will be presenting information about some of the most misunderstood creatures on earth. Henn will be bringing snakes, lizards, tortoises and anthropoids to the Shannon Bayou for the program "Snakes and More" at 10 a.m. April 27.

For more information or to pre-register, call the Extension office at 815-933-8337. The Shannon Bayou is located at 3301 Waldron Road, Aroma Park.



PROVIDED PHOTO

Ted McKinney (right), undersecretary for trade and foreign agriculture affairs at the U.S. Department of Agriculture, talks about the importance of trade during a meeting in Canada. He also took part in a discussion panel and met with groups such as Agriculture and Agri-Food Canada and Ontario Ministry of Agriculture.

McKinney visits Canada to talk trade

By Erica Quinlan
AGRINEWS PUBLICATIONS

TORONTO — Ted McKinney traveled to Toronto and Ottawa to underscore the importance of the United States-Mexico-Canada-Agreement and agricultural trade relationships.

The USMCA is awaiting ratification before going into effect.

"My objective was to reinforce the strong relationship that we have, remind (everyone) of the importance of removing barriers and encourage compliance with USMCA," said McKinney, undersecretary for trade and foreign agriculture affairs at the U.S. Department of Agriculture.

"Those were all very successful. I'm encouraged. I think our friends here in Canada are looking forward to the completion of USMCA, just as we are."

According to the Foreign Ag Service, U.S. exports to Canada accounted for \$20.7 billion in 2018.

Indiana exports to Canada and Mexico to-

taled \$18.2 billion in 2017, with the No. 1 item being transportation equipment.

"The relationship with our friends in Canada and Mexico is so important, so paramount," McKinney said.

"I'm encouraged with

the spirit and intent behind all we spoke with. I think everybody is very anxious to get USMCA done. It's a reminder that we've got to do everything we can to make that happen in the U.S., as well as Canada and Mexico."

McKinney plans to re-

turn to Canada later this year for an agricultural trade mission.

Erica Quinlan can be reached at 800-426-9438, ext. 193, or erinquinlan@agrnews-pubs.com. Follow her on Twitter at: @AgNews_Quinlan.

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- (K) JOHN DEERE 7230 PREMIUM TRACTOR W/ JD 741 LOADER, 8' QUICK TACH BUCKET W/ GOOD CUTTING EDGE, 4867 Hrs, 135 HP, MFWD, Cab, Radio, Heat, Air, 3 Pt Hitch, Dir. Lock, 2 Sets Rear Wts, 540 PTO, Front Fenders, Diesel, 3 Rem. Hyd., 24 Speed Powershift Trans., Command Center Monitor, LH Forward/Reverser, Front Aux. Hyd., Buddy Seat, Tires: (F) 14.9x28 (R) 18.4x38, Nice..... \$69,000
- (K) KUBOTA BX2670 MFWD DIESEL TRACTOR w/ 60" Mower Deck & Loader w/ 4' Bucket, 25 HP, 661 Hrs, ROPS, 3 Pt Hitch, 540 PTO, Dir. Lock, Hydro, Tires (F) 18x8.50 (R) 26x12.00..... \$11,900
- (K) JOHN DEERE 2040 2WD TRACTOR, 1980, SINGLE HYD., 540 PTO, 40 HP, ROPS, NEW REAR TIRES 16.9/14-28, 3711 HOURS (UNV.), CRACKED HOOD..... REDUCED TO \$5,500
- (K) KUBOTA BX2230D TRACTOR w/60" Mower Deck, 22 HP, 540 PTO, 3 Pt, 4WD HYDRO, 489 HOURS, Nice!..... \$7,900
- (K) JOHN DEERE 4020 DIESEL TRACTOR, 2WD, 8098 HOURS, 101 HP, 540 PTO, Wide Front, Cab, Single Hydraulics, Synchro Trans, Tires (R) 18.4-34 (F) 11L-15, Tin Work is Very Straight, Runs Good..... \$7,950
- (K) MASSEY FERGUSON 40B TRACTOR W/LOADER, 40 HP, Diesel, 3 Pt. Hitch, 8452 HOURS, HYDROSTATIC, Tires (F) 245/75-16 (R) 16.9-24, INDUSTRIAL-HEAVY DUTY, RECENT ENGINE OVERHAUL..... REDUCED TO \$4,900
- (K) 2012 JOHN DEERE 1023E COMPACT TRACTOR/LOADER/MOWER, 23 HP, 123 Hrs, MFWD, HYDROSTATIC, DIESEL, 540 PTO, 3 Pt. Hitch, ROPS, Dir. Lock, Tires: (F) 18x8.50-10 (R) 26x12-12, 53" BUCKET, 60" DECK..... \$13,500
- (K) 1983 JOHN DEERE 4450 DIESEL TRACTOR, 2WD, 6583 Hrs, 155 HP, Powershift Trans, 540/1000 PTO, 3 Rem. Hyd., 3 Pt Hitch, Quick Hitch, Cab, Radio, Air, Heat, Tires: (F) New 11.00-16 (R) New Firestone 18.4x38 w/ EXCELLENT 10 Bolt Duals-Axle Mount, Factory Hubs, 1 Owner, First 4450 Powershift Made..... \$45,000
- (K) 1995 JOHN DEERE 5300 TRACTOR W/ JD 520 LOADER, 5069 Hrs, 2WD, 55 HP, ROPS, Quick Hitch, 3 Pt. Hitch, Dir. Lock, 540 PTO, Diesel, 2 Rem. Hyd., Quick-Tach Loader Bucket, Rear Weights, Tires (F) 11.00-15 (R) 14.9x28..... \$11,900
- (K) 1981 JOHN DEERE 4840 TRACTOR, 9029 Hrs, 180 HP, 2WD, Diesel, 3 Pt Hitch, Quick Hitch, 3 Rem. Hyd., LG 1000 PTO, 8 Speed Powershift Trans, Cab, Radio, Air, Heat, Tires: (F) 16.5-16.1 (R) 20.8-38 Duals, 1 Set of Rear Wts, 14 Front Wts..... \$18,500

Mowers

- (K) NEW RHINO TW16 ROTARY CUTTER, 72", 60 HP GEARBOX, 540 PTO, Slip Clutch, Front Rubber Guard, Full Warranty..... \$1,850
- (K) BUSH HOG 2615 LEGEND ROTARY MOWER, 8 Laminated Tires, F & R Chain Shielding, Large Gearboxes, 1000 PTO, Very Nice! \$7,900
- (K) 2007 BUSH HOG TD1700 ALL FLEX MOWER, 17", 540 PTO..... \$7,900
- (K) LAND PRIDE ZT60 ACCU-Z ZERO TURN MOWER, 711 Hrs., 25 HP, KAWASAKI ENGINE, Gas, Hydro, 60" Commercial Deck, Tires (F) 13x6.5x6 (R) 24x12x12..... \$3,500
- (K) 2010 JOHN DEERE X720 RIDING MOWER, 60" Power Lift Deck, 544 Hrs, 27 HP, 2WD, 745cc 2 Cylinder Gas Engine, 2 Rem. Hyd., Front Grill Guard, Dir. Lock, Tires: (F) 18x8.50-8 Turb (R) 26x12.00-12 Bar..... \$5,900
- (K) 2014 JOHN DEERE Z950R ZERO TURN MOWER, 470 Hrs, 27 HP, 2WD, Gas, ROPS, 60" Heavy Duty 7 Iron Deck, Tires (F) 13x6.50-6 (R) 24x12-12, Very Nice..... \$6,999
- (K) 2009 CASE IH DC102 DISC MOWER CONDITIONER, 10' 9" Cutter Bar, Hyd. Lift, Hyd. Swing, New Knives, Excellent Rubber Rolls, 540 PTO, Nice..... \$13,900
- (K) BUSH HOG 2715 LEGEND ROTARY MOWER, F & R Chain Shielding, HD Gearboxes and Drivelines, 6 Lams, Stump Jumpers, Hyd. Lift & Fold, Small 1000 PTO, Runs Well..... \$7,900
- (K) LAND PRIDE RCM5015 BATWING MOWER, 15", Small 1000 PTO, F & R Chain Shielding, HD Gearboxes & Drivelines, Hyd. Lift & Fold, 6 Airplane Tires, Skid Shoes, Stump Jumpers, No Welds, Poor Paint, But Solid Machine..... \$4,900

Planting Equipment

- (K) 1994 GREAT PLAINS 1500 DRILL, 15', 8" Spacing, Pull Type, Double Disk Openers, Single Closing Wheels, Rear Harrow, Hyd. Lift, Hyd. Fore & Aft, 9.5x15 Transport Tires, Originally 6022 Acres, But 0 Acres w/ Rebuild, New Coulters, New Openers, All New Row Bushings..... \$16,500
- (K) JOHN DEERE 7200 VACUUM PLANTER, 8 Rows, 30" Spacing, Front Fold, Yetter No-Till Coulters, Yetter HD Down Force Springs, 540 PTO Hyd. Pump, Ground Drive, 200 Monitor, JD Corn & Bean Meters, Markers..... \$9,500

Harvest Equipment

- (C) MAYRATH 10X72 SWING AWAY AUGER, Hyd. Power Swing, Corn Screen, Right Angle Drive, Also Has PTO for In Line Drive. \$6,500
- (K) 2010 J&M 1151-22D GRAIN CART, Green, 22" Corner Auger, Tarp, 16x42 Dual Lugs, Flow Control Spout..... \$29,500
- (K) J&M 875-16 GRAIN CART, Green, 16" Corner Auger, Tarp, 30.5x32 Lugs, Very Good Flighting, 1 Owner..... \$19,500
- (K) J&M 500SD GRAVITY WAGON, Red, Disc Brakes, Super Single Tires..... \$6,900
- (K) WHEATHEART GHR100-71 SD AUGER, Very Good Flighting and Tires..... \$5,500
- (K) USED KORY 550 GRAVITY WAGON, Red, Brakes, 425 Super Singles..... REDUCED TO \$8,900
- (K) J&M 525-14 GRAIN CART, Green w/JD Decals, Tarp, Dig-Star EZ 400 Scale, 30.5xR32 Lugs..... \$13,900
- (K) KINZE 840 GRAIN CART, Blue, Tracks, 1040 Top Extensions, Tarp..... \$26,500
- (K) JOHN DEERE 918 PLATFORM, 18' Cut, Hydraulic Fore/ Aft Reel..... \$6,900
- (K) PARKER 6255 GRAVITY WAGON, Green, 425 Super Singles w/ 8 Bolt Wheels & Brakes..... \$9,250
- (K) UNVERFERTH 4500 GRAIN CART, Green, Side Auger, 20.8x32 Lugs, Very Low Acres..... \$8,900
- (K) HUTCHINSON/MAYRATH SX62 SWING AWAY AUGER, Gear Drive, Good Flighting..... \$3,900
- (K) PARKER 938 GRAIN CART, Red, Tarp, 17" Auger, 900/60R32 Lugs, 1 Owner..... \$19,500
- (K) 2004 CONVEY-ALL TCH1075 SWING AWAY BELT CONVEYOR, 10x75, Hyd. Drive on Swing Away, PTO Belt Drive, Hyd. Lift, 1 Owner, Always Stored Inside..... \$9,800
- (K) E-Z TRAIL 880 HEAD TRAILER, Red/Black, 36", 9.00-10F1 Tires - Heavy Tire/Wheel Option..... \$3,500
- (K) UNVERFERTH HT25 HEAD TRAILER, Red, 25", 225/25-12 Tires..... \$2,850
- (C) MAYRATH 10X36 BELT CONVEYOR, Electric Drive, New Belt, New Lower Housing, New Bearings, Like New..... \$7,900

Vertical Tillage

- (K) GREAT PLAINS TC5111 TURBO CHISEL, 11 Shank, Heavy Duty Shanks, Walking Tandems, Chopper Reel on Back, NEW! Not a Misprint! No Trades..... \$28,590
- (K) NEW/DEMO 2018 LANDOLL 7530-26 VT PLUS DISC, 26", Hydraulic Disc Gang Angle, Adjustable Gangs, Walking Tandems, 14" Chevron Rolling Baskets, VF480/45R17 Tires..... \$64,400

Tillage

- (K) LAND PRIDE RTR1250 REVERSE-TILL ROTARY TILLER, 3 Pt, 50" Working Width, 6.5" Tilling Depth, Offset Capabilities, 15-35 HP, Category 1 Hitch, Skid Shoes, Slip Clutch, 540 RPM..... \$2,350
- (K) MCFARLANE HDL-130-8 HARROW, 32" w/ Extensions, 8 Bar, Hydraulic Fold..... \$7,900
- (K) BLU-JET SUB TILLER 4, 7 Shank Ripper, Shear Bolt Shanks, Like New-Only Used on 25 Acres..... \$10,900
- (M) DMI COLTER CHAMP 11, 12' Ripper, 9 Shanks w/15" Spacing and 7 1/2" Blade Spacing, Mud Scraper, Hydraulic Lift..... \$4,200
- (K) JOHN DEERE 2800 PLOW, 6 Bottom, Hyd. Adj., New Shins, Shears, & Hyd. Hoses, Rebuilt Front Cylinder..... REDUCED TO \$3,900
- (C) SUNFLOWER 4211-9 DISC CHISEL, 9 Shank, Rear Hitch..... \$5,900
- (K) MCFARLANE HDL-136-8 HARROW, 36", 8 Bar Spike Harrow, Hydraulic Fold..... \$8,800
- (K) CASE IH 2500 IN LINE RIPPER, 7 Shanks, 3 Pt., Auto Reset Shanks, New Points..... \$13,900
- (K) BLU-JET SUB TILLER II RIPPER, 3 Point, 5 Reinforced Shanks, 30" Spacing..... \$4,900
- (K) CASE IH 3900 TANDEM DISK, 24", 7.5" Spacing, Only 200 Acres on Front & Rear Blades, 9.5L-14 Tires..... \$10,900
- (K) YETTER 3530 MIN TILL ROTARY HOE, 30", Folding, Rear Stands, Gauge Wheels, Like New, Less than 200 Acres - Save Thousands!..... \$12,900

Miscellaneous

- (K) DU-AL 340 LOADER, 7', Independent Hyd. Valve, Good Cutting Edge & Original Paint, No Welds or Breaks, Fits John Deere 20 Series and More..... \$3,900
- (K) 2008 SCHULER MS550 MULTI-SCREW MIXER, Avery Weigh-Tronix 640XL Scale, Small 1000 PTO, Single Speed Gear Box, 40" Left Side Folding Unload Conveyor..... REDUCED TO \$14,900
- (K) 2014 POLARIS RAZOR RZR900EFI 4X4 UTV, Gas, 2 Person, 1131 Miles, 121.9 Hrs, 900cc Dual Overhead Cam, ROPS, Tusk Removeable Soft Top & Doors, Fox Racing Shocks, Warn Winch, Tires (F) 27x9.00R12 (R) 27x12.00R12, Radio..... \$10,900
- (K) GREAT BEND 440S QUICK TACH LOADER, 7', Excellent Cutting Edge, No Welds/Breaks, Mounts to Rear Axle and Frame of Tractor, Fits Case 970 and Will Fit Many Others w/Little Modifications..... \$2,900

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FIELD NOTES: BY MYCOGEN SEEDS AGRONOMISTS

Still time for spring nitrogen



By Andy Robinson
COMMERCIAL AGRONOMIST

Andy Robinson

Commercial Agronomist

If farming has taught us anything, it's that having everything go to plan is near impossible. For the past few years, we've barely experienced a spring and instead went from cold and wet to hot and humid. As weather conditions continue to keep us on our toes, it's important to pause and remember what we can do to have a successful season. Last fall, farmers in central and northern parts of Illinois and Indiana were unable to complete nitrogen applications

It's easy to feel behind this year versus prior growing seasons. Many farmers are still in good shape to have a successful season.

due to a prolonged harvest and quickly changing weather. And with a wet start to the spring, it has been difficult to find the right opportunity to make applications before planting. Keep these tips in mind as you approach nitrogen applications this spring. It's easy to feel behind this year versus prior growing seasons. Many farmers are still in good shape to have a successful season. There is plenty of opportunity to make nitrogen applications through the first half of April before planting. Remember, planting up to mid-May achieves 90 percent yield potential for corn.

PREPLANTING APPLICATIONS

Regions that experience a window of dry weather these first few weeks of April still have time to apply anhydrous before planting. For this situation, we recommend applying anhydrous at least 8 inches into the soil to avoid seedling damage. After application is complete, wait five to seven days before planting.

POSTPLANTING APPLICATIONS

Applying nitrogen after planting can be done. Farmers will want to do a burndown as soon as field conditions are right. Once farmers begin planting, we recommend increasing starter fertilizer rates, applying 2x2 and not in-furrow to avoid seedling damage. In this scenario, rates can be increased from 15 gallons up to 25 to 30 gallons. Farmers should continue to apply in-season through split-dry applications up to the six-leaf stage, or liquid nitrogen up to V5 or V6.

With wet spring conditions and an uncertainty in weather, it's likely to experience leaching of important nutrients. As farmers make applications, they should consider using a nitrogen stabilizer to minimize losses. What farmers do now will set the tone for the entire season. It's important to practice patience and wait until the time is right to plant, whether your nitrogen applications are complete. Waiting for the dry soils to avoid compaction and warmer temperatures for optimum emergence will help your crop off to the best start. For more information about spring nitrogen applications, visit <http://bulletin.ipm.illinois.edu/?p=4529>. Contact me or your agronomic adviser with any additional questions you have about spring nitrogen applications.



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PIXABAY PHOTO/SKEEZE

U.S. farmers intend to plant 3.7 million more corn acres this spring, but 4.6 million fewer soybean acres, as well as 555,000 fewer sorghum acres, 370,000 fewer spring wheat acres and 319,000 fewer cotton acres.

More corn, less soybeans

USDA releases 'brutal' stocks, planting reports

By James Henry
AGRINEWS PUBLICATIONS



Hubbs

URBANA, Ill. — All eyes were on the much-anticipated grain stocks and prospective plantings reports released March 29 by the U.S. Department of Agriculture. But dismayed by the first official survey-based estimates of farmers' 2019 planting intentions and update of grain still on hand, analysts quickly looked away. "Oh, man, what a brutal report," lamented Todd Hubbs, agricultural commodity markets clinical assistant professor at the University of Illinois. "When the numbers came out, I was like, ugh, this ruins all my dreams." "The only thing that I can think of that really is redeeming about this is that at least we're on the flat part of the pricing curve so that these kind of impacts just don't completely tank the market," commiserated Scott Irwin, the U of I Laurence J. Norton chair of agricultural marketing. The duo discussed balance sheet and price implications for both old and new crop corn and soybeans during a U of I farm-doc webinar.

OLD CROP

USDA reported March 1 corn stocks at 8.605 billion bushels, well below the last two years — but perhaps not low enough. "The problem is that it's not nearly as low as what the market was expecting and what had been baked into corn prices," Irwin said, noting the market guess going into the report was 8.335 billion bushels. "So, we had kind of a hum-dinger of a surprise from the stocks report," he said. "This year's March 1 stock estimate

was 270 million bushels higher than what was expected. That's a really big one, at least in recent times, only rivaled by the 386 million bushel shocker back in



Irwin

2013. "So, it's a big bearish surprise in terms of the usage of corn. There's no way to put a happy face on that." Irwin said everyone — the USDA and the market — has been overestimating usage in the first half of the marketing year for the last five years. "That's a pretty sobering perspective," he said. Taking the March 1 stocks number literally, there is a shockingly low implied feed and residual use for the first half of the 2018-2019 marketing year — only 3.460 billion bushels. "You have to go all the way back to 2012-2013 to get a number that low," Irwin said. "What it means is that people have been putting all those cattle and pigs and chickens on a bit of a diet, or another possibility — and I'm sure there's a lot of discussion about this in the trade — especially in light of the January estimate released in February for the final yield estimate for the corn crop in 2018, where we dropped it substantially, this might call into question whether that drop in yield, all the way down to 176.4 was really right and instead of feed and residual use being really this low, what we did is we underestimated the corn crop by several hundred million bushels and since we can't measure that, it looks like we have lower-than-expected feed and residual use," he said. "My own guess is that it's probably a little bit of both." "Particularly with the size of the herd we're seeing out there and we've seen much lower ethanol grind over the last three

months, so it's a lot less distillers grains — it's a real shocker," Hubbs added. "This is the only number in the whole report that really blew my mind." Irwin said he would have laughed a few years ago if someone suggested March 1 soybean stocks above 2.5 billion bushels. However, that number has skyrocketed over the last five years. "And here we are at 2.716 billion bushels," Irwin said. "The market pretty much was on par with that. That number is about 30 million bushels higher than what the market had expected, but when you're at that big of a number, what difference does it make?" Based on supply, consumption and ending stocks, the economists predicted average per-bushel farm prices of \$3.50 for corn and \$8.50 for soybeans in 2018-2019.

NEW CROP

At 315.4 million, principal crop acres are down 4.2 million acres from last year and the lowest since 2011, according to USDA's National Agricultural Statistics Service. "I guess when you see the crop prices the way they are, a few less acres planted is not really surprising," Hubbs said. Corn acreage came in at 92.8 million acres, about 1 million acres higher than Hubbs anticipated. "It's just another bearish point on top of the corn stocks number for corn moving through the second half of the marketing year and into the new crop year," he said. Every state in the Corn Belt, except Missouri, intends to plant more corn, USDA reported. Compared to last year, corn planted area is up 400,000

acres in Iowa, 200,000 acres in Illinois and 150,000 acres in Indiana — as well as an astonishing 900,000 acres, for a record 4 million total acres, in North Dakota. "Overall, that was a big number, much bigger than the trade expected, up 4.1 percent from last year," Hubbs said. Soybean acreage came in at 84.6 million total acres — down 4.58 million acres, or 5.1 percent, from 2018. Planted area for soybeans is down 600,000 acres in Iowa, 300,000 acres in Illinois and 250,000 acres in Indiana. "We needed fewer soybean acres, that's for sure," Hubbs said, "with the kind of stocks we're carrying around and the kind of crop it looks like we're having in places like Argentina and I know people are talking about maybe Brazil is down — even if Brazil did 114 million metric tons, that's still probably the third largest crop on record for them, so we all have to keep that, I think, in perspective." Average per-bushel farm prices decrease 5 cents and 15 cents, respectively, to \$3.45 for corn and \$8.35 for soybeans during 2019-2020 — in particular, "a really brutal scenario for soybeans," Hubbs said. "Yes, a trade deal will help, but it's not gonna be a magic bullet to solve all of our price problems for soybeans in the next marketing year," he said. "When we have total supplies so large relative to at least our existing demand base, we could drop the yield by 5 bushels an acre, which historically that would be a pretty substantial drought widespread across the U.S., and that still wouldn't get us below a 600 million bushel carryout," Irwin added. "The only way that we're really gonna see the stocks reduced is basically a 1988- or 2012-style drought that just torches the crop."

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Keep emotions out of planting

By James Henry
AGRINEWS PUBLICATIONS



Humphries

GENESEO, Ill. — Planting season always is hectic, but don't let emotions take over your better judgment. "It's going to be emotional because everybody is going to be pushing the calendar, you feel like you're behind. Everybody is going to be in the same boat," said Brian Humphries, Wyffels Hybrids eastern business manager. "But still don't lose sight of how important it is to get a good seedbed, good, even emergence, soil temps at 50 degrees or more. Start it out right. "If you don't start it right, you can never get that yield potential back that you're going to lose possibly in that first two or three days of planting. You just can't get it back." Humphries conceded farmers have a lot of work to do this spring, before they even try to put seed in the ground. "Coming into this next spring, a lot of tillage did not get done. So, one thing that will be important is making

sure we get out and get tillage done when the time is right — 'the time is right' is the key there, not to work the ground when it is too wet, even though we're going to be pushed on the calendar," he said. "You want to have soil temperatures at 50 degrees or higher for corn to make sure you get a good, even stand, so that the 34, 35, 38,000 plants that you're going to put out there are going to come up evenly. That's how you're going to achieve that yield goal that you're looking for. "That's the big part, I think, that we're going to face. The other one is people having time and opportunity to get their nitrogen put on. They're probably going to have to change some things there that maybe they had planned on. "A lot of people that put

anhydrous on in the fall got a very small percentage, or none. That's what they're facing right now going into the spring."

BUSINESS PLAN

Wyffels Hybrids already is looking to the next planting season and recently released its hybrids for 2020. "The products that we released a year ago right now perform very well at the field level, and they represent a very high percent of our sales on order today based on that performance we saw," Humphries said. "We just released a new class of 14 hybrids that represent 11 new genetics in our lineup that you'll be able to see in a Wyffels Works Site at the customer level that'll be a huge part of our 2020 planting." One of the nation's largest independent seed corn companies, Wyffels Hybrids continues to make a significant investment in research. "That's the fuel in the engine that drives our business, quite frankly," Humphries said. He noted corn breeders are

working to develop products that fit the company's specific footprint. "We're not trying to find hybrids that work in 30 states. We're trying to find products that work where Wyffels sells seed and works for our customers," he said. That geography, which has been expanding, includes Illinois, Iowa, southern Wisconsin, southern Minnesota and southeast South Dakota, as well as the Ohio River Valley in Kentucky and surrounding areas. "Just a big part of our culture has been common sense, strong relationships, fiercely independent. We're not going to go into an area that we can't display our core values," Humphries said. "We just won't sacrifice those core values. It's steered us well. It's been a great recipe. We will continue to grow and expand, but at the pace that we feel is right for our customers. "We're going to back up what we say. It has to be believable. And then we have to prove it."

Illinois farmers have history of growing hemp

By Martha Blum
AGRINEWS PUBLICATIONS

FREEPORT, Ill. — Hemp plants are grown for food, fiber or medicine.

“Hemp is one of the fastest growing plants and one of the first plants to be farmed over 10,000 years ago,” said Chris Berry, vice chairman of the Illinois Hemp Grower’s Association. “It’s an annual that grows well in the Midwest.”

Industrial hemp grows like a row crop when you’re producing seed or fiber and much like a vegetable crop when growing it for flower, Berry explained during the Industrial Hemp Production Workshop organized by the University of Illinois Extension.

Illinois farmers have a history for growing hemp crops.

“The Polo Hemp Mill was a pilot plant for the USDA that created a hemp division to establish 42 hemp mills during the World War II era,” Berry said. “Eleven mills were in Illinois, so Illinois had over 25 percent of the mills, even though there were six states involved in the program.”

In 1943, Berry said, 280,000 acres of hemp were grown across the United States.

“Most of the acres were hand harvested,” he said.

Berry was drawn to the hemp industry by his wife, Rachel, who is the CEO and founder of the Illinois Hemp Grower’s Association.

“She was drawn to hemp years ago based on its environmental benefits,” he said.

Currently, the IHGA is mostly involved with legislative



Berry

farmers and processors,” Berry said.

“Illinois drummer soil is prime farmland for the production of grain, and farmers in Illinois have the experience and equipment that can easily adapt to growing hemp seed,” he said. “When growing for hemp seed, it much more densely planted, so there is no walking space in between the plants.”

Hemp plants grown for fiber can reach 15 to 16 feet tall.

“The fiber market is the most under represented in the industrial hemp picture right now,” Berry said. “But some farmers are enthusiastic about growing it.”

However, he said, the fiber processing infrastructure virtually is non-existent in the state.

“And it is still weak in states that have had legal hemp for years,” he said. “If we can develop large-scale hemp fiber chains, Illinois could be at the forefront of the hemp industry.”

Some amount of hemp fiber is going to be grown regardless of the variety.

“So, the more we grow, the more Illinois needs market opportunities,” Berry said.

Illinois currently is lacking in approved certified hemp genetics and varietal research, he said.

advancement, community organization, partnerships and collaborative projects.

“We do a lot of educational outreach and consultation services for

“There are not many seeds on the certified list right now that you can grow, and the sources for them are few and far between,” he said.

Other states that have legalized hemp years ago started with a pilot program to get their market off the ground, Berry said.

“But in Illinois they did a small amount of research and are now opening the program for everyone so we are all doing research,” he said.

Several Illinois universities and many community colleges are starting some form of hemp research this year or have done research in previous years, Berry said.

“People in Illinois are excited about hemp and the jobs it can create in our state,” he said.

“If we create a large supply of hemp in Illinois, startup companies will flourish because they’ll have a local supply.”

Berry expects several things to happen in the next year or two.

“The Illinois Department of Agriculture will establish rules and regulations and then licenses will be available for people to research and produce hemp,” he said. “With that production we’ll see local development of value-added processes and goods.”

For more information about the Illinois Hemp Grower’s Association, go to: www.illinois-hga.com.

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Bryan Parr (right) answers questions at the Industrial Hemp Production Workshop. The agronomist says since hemp does not like wet conditions, it is important to plant this crop on the best, well-drained soils of a farm.

HEMP

FROM PAGE ONE

Farmers should prepare a firm, shallow seedbed for planting hemp.

“Plant the seeds one-quarter to three-quarters of an inch deep, which is pretty similar to planting alfalfa,” Parr said. “Farmers who planted hemp last year had emergence in three to five days, and with that emergence, the crop is able to compete with the weeds.”

Since hemp doesn’t like excess moisture, the goal is to plant this crop after a rain rather than before.

During the first 30 days after planting, hemp is in a slow-growth phase.

“That’s the point we have to keep control of the weeds,” Parr said. “The rapid-growth stage occurs over the next 30 days where you will see two to five feet of growth.”

Industrial hemp has male and female plants and reproduction occurs through pollination.

“The reproduction phase does not occur until the days start

getting shorter,” Parr said. “We need at least nine to 10 hours of complete darkness to initiate flowering.”

The crop is susceptible to white mold and grey mold.

“In 2018, we saw a tremendous amount of white mold, especially in Wisconsin because it was wet and humid,” Parr said. “And there were many days where it was foggy at night and throughout the day, so those conditions bring on disease rather quickly.”

Insects were not much of a problem for the hemp crops in 2018, Parr said, except in western Wisconsin.

“We saw a lot of seedcorn maggots, which is typically not a problem in Wisconsin,” he said. “But the last snowfall was almost two feet during the last week of April, so we missed all of April to warm the soils.”

Hemp is harvested at 12 percent to 18 percent moisture.

“Maintain your shields because this is a fibrous crop, so its nature is to wrap around every shaft,” Parr said. “We recommend disabling the straw chopper and keep the engine compartment free of dust because

the oily dust from the crop can be a problem.”

Clip only the heads during harvest to bring as little of the fiber into the combine as possible, he advised.

“Draper heads work best because they give a more even flow than auger heads,” he said. “Your combine settings will be similar to canola or wheat.”

Since the crop is intended for the food grade market, Parr said, it is important to take extra care not to break the seed or damage it in any way.

“Cracked seed will be docked,” he said.

“We consider hemp seed dry at 9 percent,” he said. “We can achieve this with forced air in a grain bin.”

Parr advises farmers to clean the hemp seed before it goes in the grain bin.

“You have four to six hours to get it into the bin,” he said. “So, do not let this crop sit overnight without being on some type of forced air.”

For more information about Legacy Hemp, go to: www.legacyhemp.com.

Martha Blum



AGRINEWS PHOTO/KAREN BINDER

Food visionary Walter Robb (left) is interviewed by FamilyFarmed’s Founder and CEO Jim Slama about the future of good food at the Good Food Expo last month in Chicago. Robb’s work with Whole Foods helped introduced a new retail consumer option offering sustainable, healthy food.

POWER

FROM PAGE ONE

Upwards of 80 percent of consumers eat food from 12 plants and five animals, Robb pointed out.

“There’s an opportunity for us to get a whole lot more diverse. There are 300,000 different plants in the world. We should draw on that,” he said.

CHEFS AT PLAY

Winning this year’s Good Food Chef of the Year Award was Jason Hammel of Lula Café in Chicago. As a farm-to-table pioneer, Hammel also is chef at Marisol, an eatery at Chicago’s Museum of Contemporary Art.

He joins such past winners as Rick Bayless of the Frontera restaurant group, Paul Kahan and Joe Flamm.

One of the most popular ways at the expo that Chicago chefs share their insights on how to make great food is with cooking demonstrations. These included Dave Miller of Baker Miller, Erling Wu-Bower of Pacific Standard Time and a half dozen others.

FOOD AS MEDICINE

A number of expo programs emphasized the medicinal aspects of food beyond its nutritional values. In fact, the idea is gaining so much traction that medical insurance giant Blue Cross Blue Shield of Illinois stepped up to sponsor the programming.

For a long time, certain foods have been associated with mood and wellness. A panel of doctors explored how to use food to improve mental health while another one discussed ways to make healthy foods

accessible and family-friendly across all types of households.

The expanding product lineup of cannabis also had a prominent place at the expo. As more products become available, more doctors and more patients are finding relief in cannabidiol, without “getting high.” It now is widely recognized as a natural product for a number of medical conditions, especially pain relief.

15TH ANNIVERSARY

While FamilyFarmed has been around for 23 years, the Good Food Expo associated with the local and sustain food group just hit its 15th anniversary.

As it has grown from several hundred attendees at Kendall College, it’s grown into new venues with the thousands in attendance, with the University of Illinois Forum its most recent home for a number of years now.

“We now have a good food movement,” said FamilyFarmed board chairwoman Charlotte Flinn. “We are now the largest good food show in the Midwest.

The expo has been a critical tool for new and growing food companies.

“This is really a great connecting place between buyers and sellers of local and sustainable food,” Slama said.

The resulting growth with the expo has also meant growth in its cornucopia of programs for beginning farmers, entrepreneurship, financing, marketing, food as medicine, food accessibility and more.

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FRESH

FROM PAGE ONE

“Now a lot of the younger chefs coming up are turning focus from farm-to-table to exotic or foreign ingredients. Let’s say South Korea’s chili paste, for example.

“But the core is still there. I can speak from our restaurants’ perspective that it’s something we do. We work with Gunthorp Farms. We have Mighty Vine tomatoes off season and in the summer, we’re back with Snug Haven in Wisconsin. We have this option/partnership commitment mentality that we ask farmers to grow certain items for us, and likewise, we commit to that. It works on all sides.”

Casey Cora, Frontera Farmer Foundation
CHICAGO

“We raise pigs, ducks, chickens and turkeys in Indiana on open pasture. We have an USDA-certified processing plant. I’d say to some extent that farm to table maybe has gone past its peak.

“From a farmer’s perspective, I would say marketing is difficult, and always has been difficult, and I’m not sure if it’s much easier these days. Farmers markets are very difficult because you spend all day, tending not to sell enough. Wholesale is very difficult because you sell a bunch but the margins are really low. With retail direct to the consumer, the margins are much better but it’s very difficult to sell enough volume to make a living. From a farmer’s perspective, I think the whole marketing thing is challenging and also from the other the end.

“We’ve been raising chickens for Frontera 18 years ago. It’s a very real relationship with them that’s worth close to \$1 million a year. Whenever they add on a new project, they take us along for the ride, which is really cool. That’s not typical of the restaurant

More about the panelists’ companies
RickBayless.com/foundation
LocalFoods.com
JamesBeard.org
GunthorpFarms.com
GranisAcres.com

industry at all. What I really want to talk about today is if restaurants really want to take farmers along for the ride and keep the farm-to-table thing real, they can.”

Greg Gunthorp, Gunthorp Farms
LAGRANGE, INDIANA

“Local Foods is Chicago’s first and only local distributor of farm-direct products. We have a unique perspective because we, like Frontera, bring farmers along for the ride. This is our sixth year in business. Last year, we did about \$12 million in sales. ... I think we’re still seeing remarkable growth for our company, so that tells me that (farm to table is) not dead or plateaued. I do think that Chicago is one of the few cities in the country where we could have as much success as we’re having because of the sheer scale and our proximity to the country’s best farmers.

“We’re here in the heartland of the Midwest. We have so much to draw from in a relatively short distance. That means a lot to us. Our growth, though, is coming from some very different markets. I’d say our growth is coming from institutions, colleges and universities, hotels, hospitals and really more mainstream operations that are finally following through with commitments. ... We’re now feeling some of the effects of commitments made in the last few years. We feel we’re in a position now to find more farmers who are willing to be as risk-oriented as we are.”

Dave Rand, Local Foods
CHICAGO

Karen Binder

MUMS

FROM PAGE ONE

“We’re very passionate about local food because it’s an opportunity for consumers to have an direct link to our farm to see how our food is grown and see the faces behind the food and the flowers that they enjoy with their families,” Mariah explained.

■ Although both of them grew up in farm families and have university degrees in agriculture, they completed The Land Connection’s Farm Beginning course and also have been active with the alliance, Illinois Farm Bureau and Illinois Specialty Growers Association. “All of these groups helped answer questions, make contacts

and use that information on our farm,” Greg said.

■ They’ve also cultivated many mentors within those groups who’ve helped shape their farm. They did note success with the alliance’s Buy Local Buy Fresh directory of central Illinois producers that will begin publishing from a statewide perspective in 2020.

■ Among the biggest obstacles they immediately confronted was what to grow that customers want and how much to grow without wasting resources and creating food waste. They’ve now established “a track record” that help guide them each season.

■ Besides welcoming customers to visit their farm and learn more about how the food and flowers are grown, they are ex-

panding their farm-to-fork dinner events this season and continuing with their other events, including an annual farm crawl and a mum fest.

■ The Andersons have dedicated the \$200 mentor award check from the Routes to Farm to the local FFA chapter. They also participate in local political opportunities, such as congressional listening sessions, to help support small specialty growers.

■ They also are dedicated to the good food movement, good food being healthy, green, fair and affordable. “We’re very passionate about healthy people, healthy food, a healthy planet but also a healthy local economy,” Mariah said.

Karen Binder

100 farmers selected to grow industrial hemp

By Erica Quinlan
AGRINEWS PUBLICATIONS

FRANKLIN, Ind. — One hundred farmers will grow industrial hemp for research purposes in Indiana this summer.

The Office of Indiana State Chemist capped the number of applications at 100 for quality control reasons. Most hemp will be planted in April or early May.

The response to the expanded hemp research program has been tremendous. The OISC has received around 400 phone calls, emails or letters.

Don Robison, seed administrator at OISC, discussed the topic at a hemp symposium sponsored by the Hemp Chapter of Indiana Farmers Union.

“We’re trying to make sure we have a great program, not the first program,” Robison said. “Our goal is to keep people out of trouble. There’s been a lot of misinformation about what’s legal and what’s not legal.”

Hemp licensing this year will work basically the same as last year. Growers must be linked to an approved research project.

Research projects may include county Extension educators. Licenses must be issued by the Office of the Indiana State Chemist.

“In 2018, 15 acres of hemp were grown in Indiana for research purposes,” Robison said.

This year, an estimated

2,000 acres will be a part of the program.

Research will focus on fiber production and processing, CBD production and processing, grain production and seed production.

There are no pesticides labeled to use on hemp, so all of this research will be pesticide-free.

Research program participants are expected to follow their approved research proposal. A qualified university researcher is expected to maintain contact and review the on-farm research several times per growing season.

A final report is required at the end of the year to document the research and development of this emerging market.

Here are some other takeaways from the hemp symposium:



Mahan

“I started looking for alternative things to grow besides corn and soybeans. Hemp was where I first landed. I’m here to save family farms ... There are a whole lot of opportunities that hemp can provide for farmers.”

Marty Mahan, president
INFU HEMP CHAPTER



Robison

pared to about two last year — we’re pretty proud of that.”

Don Robison
INDIANA SEED ADMINISTRATOR



Swanson

rest of the country is waiting for us to come online ... We have the best soil for hemp growing, and in my personal opinion, I think we have the best farmers.”

Justin Swanson, president
MIDWEST HEMP COUNCIL

Learn more at www.oisc.purdue.edu/seed/hemp.html.

Erica Quinlan can be reached at 800-426-9438, ext. 193, or equinlan@agrinenews-pubs.com. Follow her on Twitter at: @AgNews_Quinlan.

“The fact we were able to accept about 100 applications for research this year, as compared to about two last year — we’re pretty proud of that.”

“I’m really excited. I think 2019 is going to be a banner year for Indiana hemp. I truly believe the



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Applications available for 2020 hemp growing season

Future industrial hemp growers are encouraged to start their business plan for the 2020 growing season.

The Office of Indiana State Chemist will have licensing applications and software in place later this year for growers, handlers, processors, researchers and breeders

who'd like to be involved in the 2020 season.

Don Robison, seed administrator, shared advice for interested farmers:

1. Do your homework. Know what tools you'll need, find seed sources and hemp buyers, and know who will process the crop.

2. Apply for a hemp license through the Office of the Indiana State Chemist via an online form.

3. Have personal information, such as the address on your license, in good order before getting a background check.

4. Pay a fee — amount to be decided — and receive your license. No research proposal is expected to be needed in 2020.

5. Grow the crop.

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WHAT IS THE BEST WAY TO MANAGE SPRING-APPLIED NITROGEN, WHERE FALL N COULD NOT BE APPLIED DUE TO LATE HARVEST OR WET SOIL CONDITIONS?

This depends on many factors, including spring weather conditions, timing, economics and labor, as well as equipment and product availability. Many who prefer to apply anhydrous ammonia in the fall are hoping for an early spring application window so they can use a product that, in many cases, they have already purchased. Spring applications can cause root damage and stand reduction if applied too close to planting, as well as significant soil compaction if soils are too wet. Ideally, spring applications should be made when soils are dry enough for field work at least two weeks before planting. Other forms of nitrogen, such as UAN or urea, may offer greater application flexibility and quicker plant availability, but will generally come at a higher price and require different methods of application. Keep in mind the lowest cost form of nitrogen may not be the most profitable if it can't be applied under the right conditions and might negatively impact yield potential. Also, it will be up to several weeks after planting before spring-applied anhydrous ammonia has converted to a plant available form and corn roots have grown deep enough to take it up.

Performance may vary, from location to location and from year to year, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible and should consider the impacts of these conditions on the grower's fields. ALWAYS READ AND FOLLOW IRL, WHERE APPLICABLE, GRAIN MARKETING AND ALL OTHER STEWARDSHIP PRACTICES AND PESTICIDE LABEL DIRECTIONS. Asgrow and the A Design®, Asgrow®, DEKALB and Design®, DEKALB®, and Deltapine® are registered trademarks of Bayer Group. All other trademarks are the property of their respective owners. ©2019 Bayer Group. All Rights Reserved.

IF I AM PLANTING SOYBEAN SEED THAT IS LESS THAN 90% GERMINATION, SHOULD I NOT PLANT SOYBEANS EARLY?

If we knew which planting date would be the most challenging, the odds of getting an acceptable stand would be better by planting your highest quality seed. The problem is we don't know what the worst days to plant are/were in a given year until a few weeks after planting. For this reason, I would plant the seed you selected for a given field whenever that field is ready to plant, regardless of the germ score. Obviously, we always recommend planting when soils are fit and the weather forecast suggests that conditions will

KEEP IN MIND THE LOWEST COST FORM OF NITROGEN MAY NOT BE THE MOST PROFITABLE IF IT CAN'T BE APPLIED UNDER THE RIGHT CONDITIONS AND MIGHT NEGATIVELY IMPACT YIELD POTENTIAL.

be favorable for growth. This may not be the best year to see how early you can get away with planting soybeans. Numerous studies have shown an even bigger benefit to using seed treatment for early planted soybeans, so treating your seed would be strongly recommended if you plan to plant early — even more so than usual this year. Replanting will sometimes be necessary due to crusting, prolonged saturated or cold soils, diseases and other factors largely beyond our control. In deciding how bold you will be in planting early, keep in mind that in this short supply year you may not be able to get the same variety for replanting.



CELEBRATE AGRONOMY WEEK!

In farming, just like racing, a winning performance depends on a great support crew and strong teamwork. That's why I'm proud to team up again this season with the DEKALB®, Asgrow® and Deltapine® brands to celebrate Agronomy Week April 1st through 5th.

Nominating farmers have the chance to win a daily prize, and I'll host the grand prize winner and agronomic team for a mid-season celebration on my farm outside Charlotte, North Carolina.

I'm also excited that, for the first time, my farm will enter the NCGA National Corn Yield Contest. I'll be throwing my hat in the ring and competing in two seasons this year — racing and farming!

To view contest rules and nominate your agronomic crew, visit AgronomyWeek.com April 1-5. With planting season just around the corner, it's time to perform!

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AGRINEWS AGRICULTURAL FORECAST

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SUNRISE/SUNSET

Springfield		
Date	Rise	Set
April 5	6:37 a.m.	7:26 p.m.
April 6	6:35 a.m.	7:27 p.m.
April 7	6:34 a.m.	7:28 p.m.
April 8	6:32 a.m.	7:29 p.m.
April 9	6:31 a.m.	7:30 p.m.
April 10	6:29 a.m.	7:31 p.m.
April 11	6:28 a.m.	7:32 p.m.

MOON PHASES

New	First	Full	Last
Apr 5	Apr 12	Apr 19	Apr 26

GROWING DEGREE DAYS

Illinois	
Week ending April 1	12
Month through April 1	21
Season through April 1	21
Normal month to date	0
Normal season to date	0
Indiana	
Week ending April 1	7
Month through April 1	19
Season through April 1	19
Normal month to date	0
Normal season to date	0

ILLINOIS INSURANCE HOTLINE

Steps to take if neighbor’s tree falls on your car during a storm

The neighbor’s tree fell on my vehicle in a storm. Will his insurance pay for my car?

Your neighbor does not owe for damage to your vehicle unless you can prove he was negligent. A storm is an “Act of God” beyond anyone’s control. An individual is not responsible for another person’s damage when a healthy tree falls or drops limbs.

Instead, make a claim through your auto insurance policy if you have comprehensive (also called other than collision) on the damaged car. The insurance company will assign an adjuster to verify coverage, investigate how the loss happened, assess damages, and prepare a settlement offer. Your car could be a total loss if repairs are close to or more than the vehicle’s depreciated value. The insurance company is responsible for tax, title and transfer fees up to the value of the totaled car if you get a replacement vehicle within 30 days.

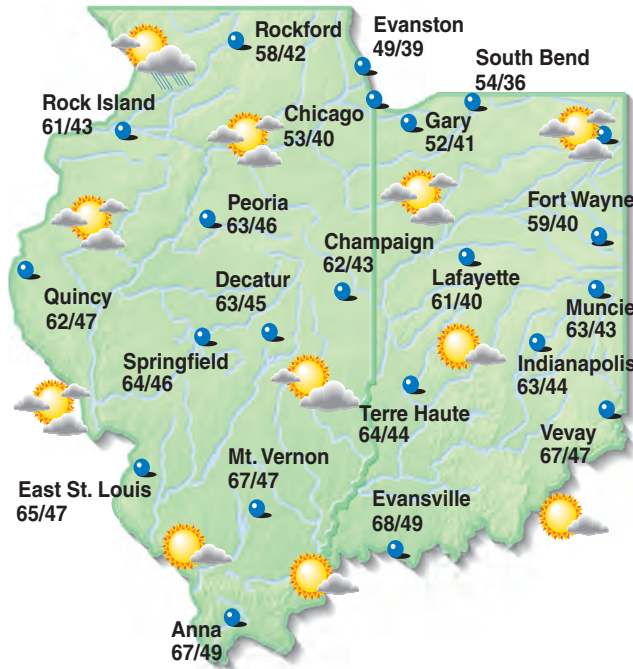
Take these steps if a tree falls on your car:

- Report damage to your auto insurance agent or company representative as soon as possible if you have comprehensive coverage.
- Take pictures of the damaged vehicle.
- Remove the tree limb from your car.
- Confirm the comprehensive deductible.
- Prepare for the claim procedure. Your cooperation speeds the process.

Parking outside exposes your vehicle to damage from fallen tree limbs, vandalism, hail, theft and more. Be aware of

REGIONAL WEATHER

Shown is Friday’s weather. Temperatures are Friday’s highs and Friday night’s lows.



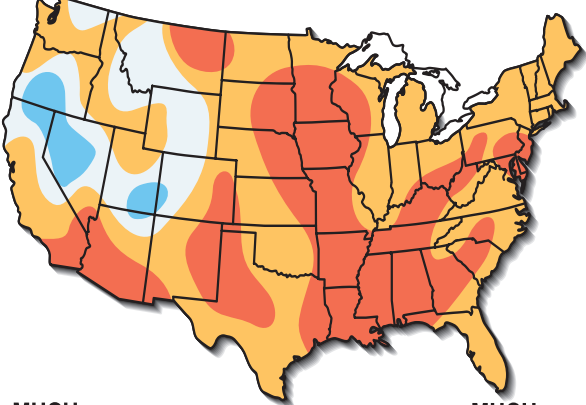
For 24-hour weather updates, check out www.agrnews-pubs.com

	Today	Tom.	Sun.		Today	Tom.	Sun.
Illinois	HI/Lo/W	HI/Lo/W	HI/Lo/W	Indiana	HI/Lo/W	HI/Lo/W	HI/Lo/W
Champaign	62/43/c	67/51/pc	73/57/pc	Bloomington	65/44/c	69/50/s	74/57/c
Chicago	53/40/pc	60/48/pc	66/53/c	Carmel	61/43/c	67/48/pc	69/54/pc
Decatur	63/45/c	68/52/pc	73/58/c	Evansville	68/49/c	72/54/pc	75/60/c
E. St. Louis	65/47/c	73/53/pc	78/56/pc	Fishers	62/42/c	67/49/c	69/53/c
Evanston	49/39/pc	60/48/pc	69/51/pc	Fort Wayne	59/40/c	64/47/pc	70/53/c
Joliet	58/39/c	67/47/pc	73/51/c	Gary	52/41/pc	61/49/pc	67/54/pc
Mt. Vernon	67/47/c	72/52/pc	74/57/c	Lafayette	61/40/c	66/48/s	72/56/pc
Peoria	63/46/c	69/52/pc	73/57/c	Indianapolis	63/44/c	67/51/pc	72/58/c
Quincy	62/47/pc	70/55/pc	72/57/sh	Muncie	63/43/c	67/50/pc	73/57/pc
Rockford	58/42/c	66/49/pc	71/48/c	South Bend	54/36/c	63/45/s	68/53/pc
Rock Island	61/43/c	70/51/pc	72/50/sh	Terre Haute	64/44/c	68/51/s	73/58/pc
Springfield	64/46/c	70/53/pc	74/57/pc	Vevay	67/47/sh	70/48/s	72/55/c

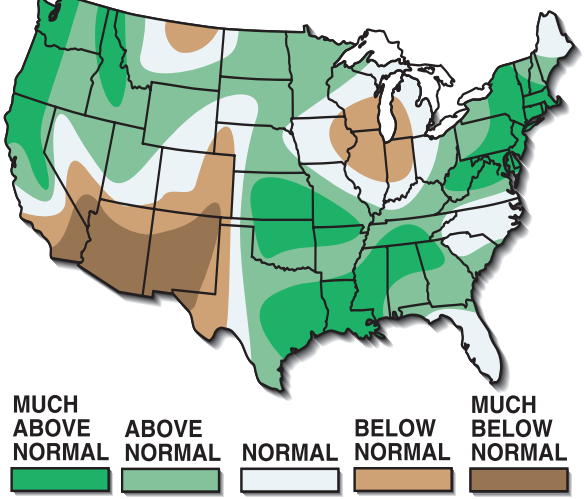
Weather (W): s—sunny, pc—partly cloudy, c—cloudy, sh—showers, t—thunderstorms, r—rain, sf—snow flurries, sn—snow, i—ice

Outlook for April 5 - April 11

TEMPERATURES



PRECIPITATION



AGRICULTURE FORECASTS

Northern Illinois: Friday: mostly cloudy. Winds north-northeast 4-8 mph. Expect two to four hours of sunshine with fair-drying conditions and average relative humidity 65%. Saturday: partly sunny; pleasant in the south.

Central Illinois: Friday: mainly cloudy. Winds north-northeast 6-12 mph. Expect less than two hours of sunshine with fair-drying conditions and average relative humidity 70%. Saturday: some sun. Winds southeast 6-12 mph.

Southern Illinois: Friday: mostly cloudy; a brief shower in the morning to the east. Winds light and variable. Expect less than two hours of sunshine with poor-drying conditions and average relative humidity 70 percent.

Northern Indiana: Friday: mostly cloudy; a few showers during the morning in the east. Winds north-northwest 4-8 mph. Expect two to four hours of sunshine with poor-drying conditions and average relative humidity 75 percent.

Central Indiana: Friday: mostly cloudy; a morning shower in the east. Winds northeast 4-8 mph. Expect less than two hours of sunshine with poor-drying conditions and average relative humidity 70%. Saturday: partly sunny.

Southern Indiana: Friday: mostly cloudy. A couple of showers; during the morning in the south, any time in the west, and dry in the north. Winds west 4-8 mph. Expect two to four hours of sunshine with poor-drying conditions.

SOUTH AMERICA

Largely dry across the Pampas of Argentina to RGS and SC in Brazil into next week. Scattered rain is expected from Parana on northward Friday into the weekend.

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BRIEFS

**Spring paint night
April 11 in Sterling**

STERLING, Ill. – Let your artistic side spring forward at the Whiteside Master Gardeners’ Spring Paint Night from 6 to 8 p.m. April 11 at Kidz Turn, Route 30 and Lawrence Road, Sterling.

Participants will create an 11-by-14-inch canvas painting.

Cost is \$20. Register at go.illinois.edu/paintnight. or call 815-632-3611.

**Learn benefits of
Mediterranean diet**

FREEPORT, Ill. – The Mediterranean eating plan is influenced by the cultures, lifestyles and typical dietary patterns of those living within the Mediterranean region in the early 1960s.

The eating plan gained notoriety when Ancel Keys, a researcher from the University of Minnesota, noted a correlation between cardiovascular disease and diet. During his research, Keys noted a phenomenon in which poorer communities around the Mediterranean region had healthier individuals, compared to wealthier individuals living in the United States. This led to the Seven Countries Study and from this study the concept of the Mediterranean eating plan was developed.

The Mediterranean eating plan varies greatly, and which foods should be included within the plan is controversial, given the variation between the countries within the region. However, there are common foods and health behaviors that we can all agree on.

To learn what those foods are, join University of Illinois Extension, Nutrition and Wellness Educator Diane Reinhold at a Mediterranean eating plan workshop from 1 to 3 p.m. May 16 at the Senior Activity Center, 216 E. Stephenson St., Freeport. There is no cost to attend, however seating is limited and pre-registration is required by May 13. For more information or to register, visit go.illinois.edu/jsr or call 815-235-4125.

**Hands-on Home
Workshop offered**

PROPHETSTOWN, Ill. – Get a jump start on all your gardening projects with the Hands-on Home Workshop from 10 a.m. to noon April 13 at the Henry C. Adams Memorial Library, Prophetstown.

Make and take natural remedies from the natural world including a natural hand scrub, a natural bug spray, a seed tape for starting your garden and a suet cake for your feathered friends.

Cost is \$5. For more information, call 815-632-3611.

**Get ‘Back on Track’
with support group**

HENRY, Ill. – If you have diabetes, getting support is very important.

Diabetes, along with physical management, also comes with a lot of pressure. This disease may be difficult to manage alone.

Throughout the United States, support groups are offered to help the diabetes community deal with challenges and give support.

In the United States, nearly 30.3 million have been diagnosed with diabetes. In Illinois, 12.5 percent of adults have diabetes.

It’s estimated that 84 million Americans have prediabetes, of which 3.6 million live in Illinois. Diabetes is the seventh leading cause of death nationally and in Illinois.

Connect with others at an Illinois Extension Back on Track Diabetes Support Group. Participants gain knowledge through research-based education, enjoy food demonstrations, and take home resources.

Back on Track will meet from 9:30 to 11:30 a.m. at University of Illinois Extension Marshall Putnam office, 509 Front St., Henry, on April 12, June 28, Aug. 23 and Dec. 13. Register by calling 815-224-0889.

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Gehl R220, Cab w/ Heat & AC, Joystick, 2 Sp w/ Hydraglide, Power Tach. . . . **Call**



Gehl VT320, Cab w/ Heat & AC, Deluxe Air Ride Suspension, Power Tach, High Flow. . . . **Call**



2008 Great Plains 2N-3010-4875, 48R, 7.5" Sp, 3x13 PW. . . . **\$43,000**



1994 Great Plains 1500 No Till Drill, 15', 8" Sp. . . . **\$9,800**



2012 GP YP4025A-1630, 5500 Ac, Hyd Drive, 82 Bu Center Fill, Row Cleaners, Double Wedge Press Whls. . . . **\$33,000**



Great Plains NTS2507, 7', Small Seeds Bundle, Front Spike, Acre Meter. . . **Call**



Strobel 2 Box, Lo Profile. . . . **\$11,000**



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Great Plains NP40L, 40', 17R, Turbo Coulters, Grnd Drive & Pump Kit. **\$20,000**



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Kuhn SR108 GII, 8 Wheel, Opt Kicker Wheel. . . **Call**



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Claas Liner 370T, 8'5" CW, Swing Drawbar. **Call**



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Chemist finds the formula for success

By Jeannine Otto
AGRINEWS PUBLICATIONS

KANKAKEE, Ill. — When it comes to the ag products he develops and that his company sells, Todd Zehr knows there are no shortcuts onto a farm.

“You have to bring some value added to it and you have to earn your way onto the farm and you have to earn their trust. They have to trust you and that’s something we work to earn every day,” he said.

Zehr, an organic chemist, might have been working on human health instead of soil and plant health, if one of his college advisers had had his way.

“My adviser wanted me to go to medical school. He talked me into going to grad school and then one of the instructors left and they needed someone to teach one of the organic chemistry labs. Then he suggested medical school,” Zehr said.

Zehr was interested, but also recognized that the medical profession was not in his cards.

“I told him I thought that human medicine was more of a calling and I wasn’t up for another eight years of school,” Zehr said.

Zehr and wife Judy lived in California where he developed a seed pelleting and priming process that he turned into a business.

“I developed some new technology for organic seed and nobody else had it, so we were palletizing all the vegetable seed,” Zehr said.

He also developed organic soil and plant health products using humates, humic acids, which are found in layers of soil above coal. Humates are

the remains of plants and animals that died and were compressed but that have no energy value.

Zehr owns his family’s farm in southern Illinois. He and his family returned to Illinois when his father passed away and he started farming, while also developing new soil health products. As he did so, he also was developing SoilBiotics into a business.

“I farmed for two years and then this business took off. My wife said are you going to farm or run the business? I said I’ll try both,” he said.

As the products grew more popular and word spread, he realized he had to focus on the business and he now rents the farm out. Travel, to promote SoilBiotics products and educate people on the product lines, has occupied a major part of his time.

“I traveled 230 days out of the year last year,” he said.

The company has several different lines of products from conventional to organic and for uses on grain crops and fruit and vegetable crops, the industry in which Zehr started.

Zehr’s start in the fruit and vegetable industry in California was the proving ground for many of the SoilBiotics products and their safety and productivity.

“They are under the microscope of the FDA where in row crops, we’re not. All of the products are safe, every single product we have, you can put on your hands,” he said.

Zehr comes up with the ideas and the formulations for the products.

“I have this thought process, I’m like OK, I know this product will work with this and this is how I’m going to get it



AGRINEWS PHOTO/JEANNINE OTTO
Todd and Judy Zehr started their ag products company, SoilBiotics, out of their home in 2010.

into the plant. It always falls into place. I don’t know how to explain it any other way,” he said.

When it comes to convincing farmers and farm retailers about SoilBiotics and the company’s products, Zehr knows he has to be as thorough as he is when completing a new soil product formula.

“You have some farmers who want to raise the bar. We sit down and have a real disciplined discussion and line out a program for them. We ask them to give us an opportunity and we appreciate that opportunity,” Zehr said.

For Zehr, soil health and chemistry starts with a soil test.

“It’s like building a house, you build a house from the ground up. We look at the soil tests and see what the levels are and then we build a program around that soil test,” Zehr said.

He said he is determined to make the OS 46 facility at Kankakee a success and to make sure it runs as smoothly as he expects it to, even and especially with the upcoming and likely to be compressed spring fieldwork and planting season ahead.

“I’ll be here until 2 a.m., 3 a.m., if I have to,” he said.

SoilBiotics adds on in state

By Jeannine Otto
AGRINEWS PUBLICATIONS

KANKAKEE, Ill. — Crops are not the only thing that SoilBiotics, an ag products company founded 10 years ago, is helping grow.

The company recently expanded with the purchase of a former excavating company site near Kankakee.

Founder Todd Zehr said location is what led him to the site, which will be the primary manufacturing location for the company’s OS 46 product, an urea-based granular fertilizer with the added benefits of SoilBiotics’ 4-Ultraboost humic acid starter fertilizer.

“Location, location, location. We’ve got a beautiful road out here (IL-17), we’ve got I-57 to the east and I-55 to the west, so we have major arteries that we can get to and space, we needed the real estate to do expansions and put up buildings,” Zehr said.

Zehr and wife Judy started the company a decade ago in their home. Today, the company makes a variety of conventional, organic and specialty agricultural products and distributes them throughout the United States and overseas.

Zehr said the impetus to purchase the property came from fertilizer retailers.

“A lot of the retail fertilizer companies don’t have the capability of doing this so the message we kept getting from them was ‘you put up the building and we’ll come and get it,’” he said.

The new facility will allow them and their farmer customers to do

just that. The spacious parking lot that once housed excavation equipment is large enough for semis and fertilizer spreaders to pull in, load from the auger that leads into the mix building and then leave. The facility is protected by an existing chain-link fence.

The mix facility is an 80-by-60-foot hoop building that Zehr put up to accommodate trucks unloading urea fertilizer inside.

“We can back a semi in here and dump it,” he said.

The coating process for the urea will take place inside the hoop building. A large mixer can coat 60 to 70 tons of urea an hour with the SoilBiotics’ 4-Ultraboost humic acid starter. The product then receives a bright orange colorant, so applicators and farmers can see how the product is spreading and can see it in furrow.

Zehr said the ease of getting the product and getting it to fields quickly should appeal to retailers, applicators and their farmer customers.

“You can come in, we can make it and you can be in and out in a day. The driver doesn’t even have to get out. He pulls in, we mix it, he pulls ahead, we load it, he pulls forward so we can even out the load and he’s out of here,” Zehr said.

When it comes to the OS 46 product itself, Zehr is confident he’ll have success with it.

“We are bringing this OS 46 product and we’re saying okay, we’re better than UAN 32, we’re better than anhydrous ammonia and here’s why,” he said.

Two reasons that hold

large appeal for this spring will be the ease of use and safety.

“A lot of it has to do with application. Last year, a lot of things didn’t get done so this spring, everything is going to be in crunch mode. With the OS 46, you can apply 1,300 to 1,400 acres a day versus with liquid UAN, you may be only able to apply 200 acres. So, with this, you can get quite a bit more in a day. It’s already stabilized. It’s a really simple product to work with. It’s not corrosive. It’s not like dry fertilizer or N-SERV, which is extremely corrosive,” Zehr said.

With a compressed calendar for tillage, application and planting, safety also is key and Zehr said OS 46 has safety benefits, too.

“It’s a safe product to work with, there’s no dust, it’s a good thing to use, they don’t have to physically touch it,” Zehr said.

The value of the product and the return on investment is something Zehr has been studying field trials.

“Ultimately, we had better crop yields and we did a trial last year where we went out and put 28 on all the fields, then we came back and sidedressed half the fields with 28 and sidedressed half with OS 46. The OS 46 outperformed the 28 consistently by about 12 bushels to the acre, so with \$3.50 corn, it more than paid for itself,” Zehr said.

Jeannine Otto can be reached at 815-223-2558, ext. 211, or jotto@agrinenews-pubs.com. Follow her on Twitter at: [@AgNews_Otto](https://twitter.com/AgNews_Otto).



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Auction Calendar

Fri., April 5
MONROVIA, IND.: Large Public Auction, 9 a.m., Ted Everett & Kurt Everett, 317-996-3929.
BROWNTOWN, WIS.: State-Line Consignment, 9 a.m., Powers Auction Service, 608-439-5761.
CHAMPAIGN, ILL.: Farm Equipment, 10 a.m., Don Wood, Gordon Hannagan Auction Co., 217-568-7117.

Sat., April 6
POLO, ILL.: Hazelhurst Annual Spring Consignment, 8:30 a.m., Public Auction Service, 815-946-2660.


CLINTON, ILL.: 43rd Annual Lawn & Garden Auction, 8:30 a.m., Martin Auction, 217-935-3245.
SULLIVAN, IND.: 16th Annual Farm & Construction Machinery Consignment, 9 a.m. EST, Sullivan FFA Alumni, Jeff Boston Auction Service, LLC, 812-382-4440.
OSWEGO, ILL.: Public Auction, 9 a.m., Betty & The Late Paul Ivmeyer, Chris Wegener, 815-451-2820.
DEER GROVE, ILL.: Public Auction, 9 a.m., Eugene C. Hardy Estate, Dahl Real Estate, 815-379-2447.



LEWIS COUNTY, MISSOURI LAND AUCTION

TUES., APRIL 30TH AT 5:00 P.M.

SALE TO BE HELD AT THE OAK HILL INN & SUITES | 1701 OAK ST. | CANTON, MO



136± ACRES • 2 TRACTS

Land is located approximately 4 miles northwest of Canton, MO in Sections 12 & 13, T62N-R7W, Lyon Township. Land represents productive tillable cropland, mature hardwood timber and offers outstanding northern Missouri whitetail deer & wild turkey hunting acreage.

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

Successors in Interest of James and Delora DeWitt, husband and wife

<p>REPRESENTING ATTORNEYS:</p> <p>Jules V. Decoster DeCoster Law Office 105 E. Lafayette St. Monticello, MO 63457</p>	<p>Tara L. Walker TL Walker Law, LLC 1210 Oklahoma Ave. Trenton, MO 64683</p>	<p>CLOSING & TITLE WORK: Oak Hills Title Co. 307 Lewis St. Canton, MO 63435 (573) 288-4461</p>
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AUCTION MANAGER: BILL FRETWELL (660) 341-7735

SULLIVAN AUCTIONEERS, LLC • TOLL FREE (844) 847-2161
www.SullivanAuctioneers.com • IL Lic. #444000107



**2 Days!
2 Auctions!
2 Sellers!**

MERCER COUNTY ILLINOIS FARM & RECREATIONAL LAND AUCTIONS!

*Both Auctions Held At: Performance Auction Park
2007 SE 3rd St (IL Hwy 17 East) - Aleo, IL*

Thursday, April 11th - 10 AM

134 +/- Ac Farm Land

Located in Section 35 - Perryton Twp, Mercer County, IL

Farm Location: 2 1/2 miles North of Aleo, IL on IL Rt 94, Then approximately 3 miles East on 115th Ave - WATCH FOR AUCTION SIGNS!

125.53 FSA TILLABLE ACRES

ROAD FRONTAGE ON THREE SIDES

DRAINAGE & CLEARING IMPROVEMENTS

SIGNIFICANT DRAIN TILE INSTALLED

PRODUCTIVE HIGH CLASS "C" FARM

IMMEDIATE POSSESSION FOR TILLAGE

AVAILABLE FOR 2019 CROP SEASON!

Sale Method: The farm will be sold in one tract and will be sold in dollars per acre. **Terms:** 10% down sale day with the balance due on or before May 13th, 2019. Buyer(s) to enter into a purchase contract at conclusion of auction. Property is offered in as-is condition. Statements sale day take precedence over all others.

SELLERS:

Tim, Diana & Sam Tromblee

Attorney: Karl Bredberg

CALL TODAY FOR A BIDDER PACKET FOR BOTH OF THESE GREAT FARMS, INCLUDING TAX, FSA & CRP INFORMATION!

www.soldatjones.com

AUCTIONEER
Dale L. Jones
Aleo, IL
(309) 582-7653
(309) 299-6400

Saturday, April 13th - 10 AM

475 +/- Ac Tillable & Recreational Land

Sections 21 & 28 New Boston "East" Twp - Mercer County, IL

Farm Location: Tracts 1, 2 & 5 located 4 miles West of Joy IL on IL Highway 17, Tracts 3 & 4 located 5 miles West of Joy on Highway 17, 1/2 mile South WATCH FOR AUCTION SIGNS!

THE PRENTISS FARM SELLS ABSOLUTE! NO RESERVE! ACREAGES SUBJECT TO FINAL SURVEY

Tract #1 - 82.5 Ac m/l - 48.5 Tillable FSA Ac

Productive Tillable Land & Recreational / Wetlands

Paved Road Frontage

Tract #2 - 150 Ac m/l - 47.8 Tillable FSA Ac

Productive Tillable Land & Recreational / Wetlands

CRP Contract on 29.8 Ac until 2027 - Paved Road Frontage

Tract #3 - 74 Ac m/l - 35.38 Tillable FSA Ac

Productive Tillable Land & Recreational / Wetlands

CRP Contract on 35 Ac until 2023 - All Weather Road Frontage

Tract #4 - 153 Ac m/l - 70.71 Tillable FSA Ac

Productive Tillable & Recreational / Wetlands

CRP Contracts on 30.82 Ac until 2023 & 2026 - All Weather Road Frontage

Tract #5 - 16 Ac m/l

Recreational / Potential Building Site - Paved Road Frontage

THIS FARM HAS TREMENDOUS WHITETAIL & WATER FOWL POTENTIAL!

SALE METHOD: All tracts will be sold by bidders choice. The farm WILL NOT be offered in its entirety. See the website or call for a bidder packet for complete details. **TERMS:** 10% down sale day with balance due on or before May 13th, 2019. Buyer(s) will sign a purchase contract at the conclusion of the auction. Property is offered in as-is condition with no warranties or guarantees whatsoever. Statements sale day take precedence over all others whether written or verbal. The farm can be farmed or rented by the new owner. For complete terms call the auction company or see website.

SELLER:

Donna Prentiss Estate

Executor: Tom Appleton - Attorney: August Appleton



JEFFERSON COUNTY, IOWA LAND AUCTION

Sale to be held at the Packwood Community Center, Packwood, IA

TUESDAY, APRIL 16TH @ 10 A.M.

85 ACRES± (SUBJECT TO SURVEY) • 1 TRACT

The Kiews Farm is located in Section 17, Polk Township, Jefferson County, IA, 3 1/2 miles west of Packwood, IA.

Mark your calendars now for this fast approaching Jefferson County, Iowa land auction. This farm offers productive tillable farmland with a CSR2 of 74.5! The property is in an excellent state of fertility, has several strategically placed terraces with drainage tile inlets and sells with full possession for the upcoming 2019 crop year. This is an auction that you will not want to miss!

DETAILS, MAPS & PHOTOS AVAILABLE ONLINE @:
www.SullivanAuctioneers.com

BILL KIEWS – SELLER

ATTY: Paul D. Miller • Miller Law Office • 119 N. Court St, Fairfield, IA • Ph: (641) 472-5049

FOR ADDITIONAL INFORMATION, CONTACT AUCTION MANAGERS:
Jim Huff (319) 931-9292 or Jeff Hoyer (319) 759-4320

SULLIVAN AUCTIONEERS, LLC • TOLL FREE (844) 847-2161
www.SullivanAuctioneers.com • IL Lic. #444000107



SCHUYLER COUNTY, MISSOURI LAND AUCTION

SALE TO BE HELD AT THE LANCASTER COUNTRY CLUB, LANCASTER, MO

THURS., APRIL 25 AT 5:00 P.M.



260 ACRES± (Subject to Survey) 3 Tracts

Land is located approximately 6 miles northeast of Queen City, MO in Sections 15, 16 & 22, T65N-R14W, Independence Township, Schuyler County, MO.

LAND REPRESENTS WELL MAINTAINED, IMPROVED PASTURELAND AS WELL AS EXCELLENT HUNTING/RECREATIONAL ACREAGE.

DETAILS, MAPS & PHOTOS AVAILABLE ONLINE @:
www.SullivanAuctioneers.com

BRYAN AND GRACE MARCH

CLOSING & TITLE WORK BY: SCHUYLER COUNTY ABSTRACT CO.
118 WEST JACKSON STREET | LANCASTER, MO | (660) 457-3804

AUCTION MANAGER: BILL FRETWELL (660) 341-7735

SULLIVAN AUCTIONEERS, LLC • TOLL FREE (844) 847-2161
www.SullivanAuctioneers.com • IL Lic. #444000107

MONMOUTH, ILL.: Retirement Closing Out Auction, 9:30 a.m., Monmouth Feed Service, Inc., Van Adkisson Auction LLC, 309-426-2000.
SMITHFIELD, ILL.: Machinery & Livestock Equipment, 10 a.m., The Landon Miller Estate, Lowderman Auction & Real Estate, 309-833-5543.
MANCHESTER, ILL.: The Andras Kind Red Angus Bull Sale, 1 p.m. CST, Andras Stock Farm, 217-473-2355.
FARMINGTON, MO.: Special Cow Sale, 1 p.m., Farmington Livestock Auction, 573-756-5769. **See p. B2**

Sun., April 7
SANDWICH, ILL.: Building Materials & Tools, 8 a.m., Gavin Auction Company, 815-509-8018.

Wed., April 10
LAKE CITY, MINN.: Farm Estate Auction, 9:30 a.m., William E. Danckwart Estate, Sullivan Auctioneers, LLC, 844-847-2161. **See p. B2**

Thurs., April 11
EAST MOLINE, ILL.: Truck Tractors, Straight Trucks & Trailers, 9 a.m., US Auctioneers Inc., 800-992-2893.
ALEDO, ILL.: 134 +/- Acres, 10 a.m., Tim, Diana & Sam Tromblee, Dale Jones, 309-582-7653. **See p. B1**
NEW LONDON, IOWA: 223.39 +/- Acres, 10 a.m., Russell P. & Terrie L. Chapman, Sullivan Auctioneers, LLC, 844-847-2161.

Fri., April 12
LANCASTER, MO.: 343.8 Acres, 10 a.m., Michael & Elizabeth Oberman Trust,

Sullivan Auctioneers, LLC, 844-847-2161.
CARTHAGE, ILL.: “Out Behind the Barn” Sale, 1 p.m., Country Road Angus, 217-357-5038. **See p. B2**

Sat., April 13
BOURBON, IND.: Triton FFA Consignment, 9 a.m. EST, Bates Auction & Realty, 574-361-2012.
CONGERVILLE, ILL.: Livestock Equipment & Machinery, 9 a.m., Reel Livestock Center, 309-448-2288. **See p. B2**
EFFINGHAM, ILL.: Retirement Auction, 9:30 a.m., Wolfe Construction, Smitty’s Auction Service, 217-849-3004. **See p. B2**
ALEDO, ILL.: 475 +/- Acres, 10 a.m., Donna Prentiss Estate, Dale Jones, 309-582-7653. **See p. B1**

Sun., April 14
MULBERRY GROVE, ILL.: Consignment, 9 a.m.,

McDowell Auction Service, 618-267-3410. **See p. B2**

Mon., April 15
EAU CLAIRE, WIS.: Tractors, Machinery & More, 9:30 a.m., Ray Gilbertson Estate, ProCountry Auction Service LLC, 715-495-6131 or 715-797-2347. **See p. B1**

Tues., April 16
PACKWOOD, IOWA: 85 +/- Acres, 10 a.m., Bill Kiews, Sullivan Auctioneers, LLC, 844-847-2161. **See p. B1**
JONESBORO, ARK.: Farm Machinery, 10 a.m., Estate of David Heath, DeWitt Auction Company, Inc., 800-533-9488.

Wed., April 17
MILFORD, ILL.: Farm Machinery, 8 a.m., Mowrey Auction Co., Inc., 815-889-4191. **See p. B1**

QUINCY, ILL.: Construction Equipment, 9 a.m., Churchill Construction, Sullivan Auctioneers, LLC, 844-847-2161.
QUINCY, ILL.: 78 +/- Acres in 9 Tracts, 6 p.m., Churchill Construction, Sullivan Auctioneers, LLC, 844-847-2161.

Thurs., April 18
DODGEVILLE, WIS.: Machinery, 8 a.m., Hennessey Implement, Inc., 608-935-3326.
LA HARPE, ILL.: Retirement Auction, 9:30 a.m., Terry & Patti Ferguson, Sullivan Auctioneers, LLC, 844-847-2161. **See p. B2**
LEWISBURG, KY.: Dairy Dispersal, 10 a.m., Woodall Farms, Robert L. Blackford, 720-725-0136. **See p. B2**

See AUCTION, Page B2

CASE IH TRACTORS, FORD TRACTORS, MACHINERY AND MORE!

AUCTION DATE: Monday, April 15, 2019 TIME: 9:30 a.m.

PROXIBID ITEMS: 12:00 p.m.

LOCATION: S 9454 County Road B, Eau Claire, WI

DIRECTIONS: S9454 County Road B, Eau Claire, WI which is 1/2 mile south of I94 on Hwy 37 (exit #65) to Cnty Rd B then 5.3 miles south on Cnty Rd B or 11 miles north of Mondovi on Hwy 37 to Cnty Rd HH then east 1.4 miles on Cnty Rd HH to Cnty Rd B then 1/4 mile north on Cnty Rd B to the auction location. Watch for the ProCountry Auction signs.

AUCTION NOTES: Ray Gilbertson was lifelong local farmer who loved tractors, old and new. This is an exceptionally nice offering of Case IH Tractors, Ford Tractors and other farm machinery. This is your opportunity to own a like new tractor at your price. Online bidding available at proxibid.com. Selling in two rings.

TRACTORS (16): NOTE: This is a great offering of like new tractors and restored vintage tractors. All the tractors (except for parts tractors) are shedded and well kept. **2013 Case IH 225 Magnum**, 25th Anniversary Edition, ser #ZDRH04159, Tier 4A, **hour meter shows: 10.4 hrs**, one owner, FWD, CVT, AFS, CAH, 18.4-46, duals, buddy seat; **Case IH MX215 Magnum**, ser #Z9RZ04167, Tier 3, **hour meter shows: 970 hrs**, one owner, FWD, CAH, front weight bracket, buddy seat, quick hitch, 18.4-46, duals; **2013 Case IH 140 Maxxum**, one owner, ser #ZDBE16200, Tier 4, **hour meter shows: 8.2 hrs**, LH reverse, 16 speed power shift, FWD, 18.4-42, buddy seat, CAH, front weight bracket; **2015 New Holland T4.100**, ser #YM000315, **hour meter shows: 187 hrs**, FWD LH reverse, 655L loader, joy stick, 3pt, CAH, 18.4-30, buddy seat, Case IH Epsy 250 Guide lightbar guidance system; Case IH 674, ser #2430005U100203, gas, WF, 3pt, live hydraulic, 16.9-30 rears; Farmall "M" NF, ser #295492, 12V, repainted, 13.6-38; Farmall "M", ser # plate removed, WF, repainted, 12 volt, loader; Farmall "M", ser #FBK274028X1, WF, 12 volt, Schwarz front end, repainted, 13.6-38; Farmall F20, NF Tractor; Allis Chalmers "D10", WF, repainted, Woods L306 72" belly mower; Allis Chalmers "C", nf, Art's Way, 72" belly mower; Ford 601 Work Master, hour meter shows: 163 hrs, 3pt; Ford 8N, hour meter shows: 144 hrs, 3pt, repainted, 12 volt; Ford 8N, hour meter shows: 3098 hrs, 3pt, repainted, hydraulic loader; Ford 8N, no tack, 3pt; John Deere "B", ser # B-60283, non-runner, nf, roll-o-matic front end; Farmall F20 & F30 parts tractors.

COMBINE & GRAIN CART: IH 1460 Combine, ser #17002324025265, hour meter shows: 2689 hrs; IH 1063 corn head, 6 RN; IH 1020 bean flex head, 20 ft; EZ Trail 510 grain cart, light package.

PLANTING & TILLAGE: John Deere 7200 Conservation 6 RN Corn Planter, dry fertilizer, Yetter no till coulters & trash whips; Case IH 5100 12ft soybean special drill with hydraulic markers, press wheels; Brillion Sure Stand seeder, 10 ft; Case IH 720 6-18 on-land plow; Case IH 4600 28 ft Vibra Shank field cultivator with harrow; (2) Lely Rotterra RH 350-30, 3pt; Kewanee 1010 20ft folding disk w/harrow; 3pt 2 shank ripper; Case IH 13ft 10 shank disk chisel plow; John Deere 13ft double disk; Case IH 3-16 trailer plow; John Deere rotary hoe, 14ft, hydraulic lift on cart; Ford 6ft 3pt roto-tiller; Dearborn 3 pt 2 bottom plow; Ferguson 3 pt 2 bottom plow; 4 Section drag on cart hydraulic lift; 9 Shank chisel plow; (2) Van Brunt grain drills with grass seed, single disk.

MACHINERY: Top-Air 500 gallon field sprayer, foam, controls, 45ft, PTO; Case IH hay conditioner; Erskine rotary snow blower, 3pt, 7ft, #728; (2) Forage King 9x16 kicker wagons, steel floors; (2) Flatbed wagons; wood kicker wagon; EZ Flow gravity box with fertilizer auger on JD running gear, 10,00-20 tires; Killbros Gravity Box on Gehl wagon with hydraulic auger; John Deere 727 Gyramor mower, 14ft, 1000 PTO; (5) Killbros 300 gravity box, EZ flow gravity box; gopher killer on cart; John Deere #27 15ft stalk chopper; Walsh 1000 gallon field sprayer on tandem 30ft boom, foam marker; 200 gallon field sprayer; 8ft 3pt Spring Digger; New Holland 461 haybine; John Deere Quack Digger; 3pt 6RN cultivator; Ford hay side rake; IH 56 hay rake; 6ft 3pt disk; 3pt weeder; Miller 3pt 6 RN cultivator.

OTHER EQUIPMENT: 16 ft tandem axle tag trailer w/ drop ramp; Land Pride 72" 3pt mower; loader bale spear; loader manure tine bucket; 6ft 3pt back blade; 8ft 3pt back blade; Ford 14-93 3pt mounted sickle mower, 7ft bar; John Deere #9 mounted sickle mower, 7ft bar; Agricultural iron.

HIT n MISS ENGINES: IH 1 1/2 -2 1/2 Type "LB" hit & miss engine; IH 1 1/2 -2 1/2 Type "LA" parts; IH 1 1/2 -2 1/2 Type "LA" hit & miss engine; IH hit & miss engine on cart.

ALSO SELLING: Shop Tools, Tractor Parts, Lawn & Garden, Fuel & Milk Tanks, Collectibles and Household Items. Visit www.procountryauction.com for the full auction listing.

Ray Gilbertson Estate

TERMS: Cash or personal checks may be used for payment. Credit Cards Accepted. No Buyers Fee for on site buyers. WI State Sales Tax will be collected on all applicable items. All items being offered for sale are being sold "as is, where is" with no warranty or guarantee. Positive identification required to register for a bidder's number. All items must be settled for the day of auction. Announcements made sale day takes precedence over printed material. Listing is subject to change prior to auction. NOT RESPONSIBLE FOR ACCIDENTS.

Scott Werlein Auctioneer
RWA #178
(715) 495-6131

ProCountry Auction Service LLC
222 S. Eau Claire St. Mondovi, WI 54755 RWAC #280
www.procountryauction.com

Steve Strey Auctioneer
RWA #2081
(715) 797-2347



MOWREY AUCTION CO., INC.

AUCTION

APRIL 17, 2019

8:00 A.M. CST

Next Auction June 19, 2019

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Equipment Must Be Removed Within 30 Days of Purchase | Please Bring a Bank Letter Of Credit If You Have Never Been Here | There Will Be A \$25.00 Title Fee For All Purchases of Titled Equipment To Be Paid By the Purchaser.

We will be holding an auction for Kibble Equipment on Saturday, May 11



KIBBLE EQUIPMENT

SKID LOADERS - COMPACT TRACTORS - LAWN MOWERS - TRUCKS - TRAILERS - CARS - PICKUPS - PARTS - ATTACHMENTS & MISC

Starting at 10:00 a.m. in Belle Plaine, MN. More information coming soon!





2019

“Out Behind the Barn” Sale



Sydgen Enhance

Offering
Influenced by



Musgrave Sky High 1535



EXAR Resistol 3710B

16 Bulls

12 Heifers
12 Cows with calves

Friday • 1 PM

APRIL 12, 2019

At the farm located at 2239 ECR 1800, Carthage, IL 62321

FOR INFORMATION CALL:
(217) 357- 5038

AUCTIONEER:
Brent Ulkes

Tim Brodie - Country Road Angus
2239 E. Country Road 1800 | Carthage, IL 62321

LUNCH:
Will be provided sale day.

LAND AUCTION

KNOX COUNTY, WIDNER TOWNSHIP, INDIANA

42.1± 100% TILLABLE

acres offered in 1 Tract

THURSDAY, APRIL 25 • 11AM

at the Freelandville Community Building, Freelandville, IN

Located between Freelandville and Carlisle, consisting of 42.1± acres having a sloping topography, predominantly Hosmer soils and frontage on County Line Rd.



IMMEDIATE POSSESSION

INSPECTION: Monday April 8, 10am til Noon

OWNERS: DEBORAH JEAN ABRAMS & PAUL RICHTER

AUCTION MGR: Brad Horrall (812) 890-8255

75th ANNIVERSARY
Since 1944

800-451-2709
Schrader Auction.com

#AC63001504
#AU01052618

CONSIGNMENT AUCTION
Sunday, April 14th, 2019 - 9 am
Mulberry Grove, IL 62262 (Exit 52 off I-70)

TRACTORS: Case IH 595 tractor; MF 240 diesel w/loader; Ford 5000 diesel; MF 240 gas w/loader; IH 606 utility tractor w/good TA; M.F. 165 diesel w/Woods loader; A.C. 5040; JD B6 speed w/square axle and earlier restoration; Case front wheel assist cab tractor (salvage); Case 74L hyd. loader; more by sale day!!

New Skid Loader Equipment: Stout 66-9 brush grapple; Stout HD72-8 brush grapple; Stout XHD 84-6 brush grapple; Stout Rock Bucket/Brush Grapple Combo HD 72-3; Stout HD72-4 close tine brush grapple; Stout XHD 84-6 brush grapple; Lowe 750 hyd. post auger w/12 auger; Stout tree and post puller

MACHINERY: Kubota DM 20-28 9 ft. disc mower (like new); Kubota RA 1042T hay rake (like new); Land Pride APS 1586 12 hole seeder (like new); IH 4800 24 ft. field cultivator w/5 bar Remlinger harrow; AC 333 15 in-10 row no-till planter; JD 28 ft. Danish tine field cultivator w/5 bar harrow; JD 8200 21 hole grain drill; IH 17 1/2 ft. 470 disk; JD 15 ft. grain drill w/grass seed; 3 pt. no-till attachment; IH 1300, 9 ft. sickle mower; New Holland round baler; IH 35 5 bar hay rake; 2 1/2 yard dirt pan w/dolly wheels; JD implement trailer; JD 26 ft. 5 bar harrow; Danuser 3 pt. hyd. post driver; 10 ft. 3 pt field cultivator; gravity wagon; hay wagon; AC 5 ft. 3 pt. rotary mower; AC snap coupler blade; AC snap coupler dirt scoop; 13.6 X 28 tires on AC spin out rims; rotary mower w/snap coupler hitch; JD 40 pto manure spreader; JD 6 row C shank cultivator; 10 ft. hyd. blade; Ferguson 2 row cultivator; (2) Unverferth gravity wagons; **ATV's, LAWN, GARDEN & MISC:** 2013 Bad Boy 400 side by side, 4x4 w/only 138 hrs; Club Car golf cart, lifted w/alum wheels; EZ GO golf cart; 35 bales of mixed grass hay; plastic and metal 55 gal barrels; Palco cattle tub; calf creep feeder; (8) 12 ft. rebar hog gates;

NEW OFFICE EQUIPMENT: desks, file cabinets, lockers, storage cabinets; 40 ft. alum. ext. ladder; (8) pipe gates; cattle panels; Hobby Farm 15 bu. manure spreader; (6) rolls of woven wire; tee post; round bale feeder; front tine tiller; lawn sweep; 4 sided shelf units on casters; commercial file cabinet; chrome clothing racks; Pannier pig creep feeder; Load of guardrail and posts; (40) new landscape timbers; truck tool box w/ladder rack; pallets of new cut-off metal; drill press; antique corn sheller; 60 new tee post; approx. 20 NIB I.H. collector toy tractors including a 1999-2000 Farm Progress tractor autographed by Max Armstrong; several Red Power magazines -1990's

CARS, TRUCKS AND TRAILER: '04 Chevy Suburban Z 71, 4X4 (loaded); '03 Ford Explorer 4X4 (loaded); '02 Ford Explorer XLT (sharp); '97 Mercedes C 230; 1995 Geo Tracker; '92 Chevy 3/4 ton , 4X4 w/full size bed; '91 F Super Duty Ford 1 ton w/dump bed, 7.3 diesel and 4 speed; Cobra 15 ft. boat w/50 hp Evinrude and EZ Load trailer; Will be several more by sale day

Check the website or www.auctionzip.com
Thomas Factory Outlet will have a truckload of new bikes, trikes, tools and toys NORMALLY HAVE 10-12 WAGON LOADS OF TOOLS AND MISC.

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TERMS: Cash or check w/proper ID. Credit cards w/3% premium. First time and out of state buyers must have a current bank letter of guarantee made to McDowell Auction Service. Not responsible for accidents, thefts, errors or omissions. All items must be removed from auction site no later than April 20th by 12 noon.

NO BUYER'S FEE!!!

Lunch by the Bond County Shrine Club

NOTE: Several pictures and additions posted at www.auctionzip.com # 11809. Call ASAP!!! We will begin accepting consignments on Thursday April 11th from 8 am until 5pm or by appointment. Absolutely NO consignments accepted on sale day after 8am.

Special Cow Sale!!!

Farmington Livestock Auction
Located in Farmington, MO
Saturday, April 6, 2019
All Consignments Welcome
Expecting 500-600 Cows
STARTING TIME AT 1:00PM

THE BEST OF ALL WORLDS SALE

- Turner Farms-11 Reg. Angus Bulls- Belgrade
- Turner Farms- 7 Reg. Angus Pairs Bred Back
- Abbott Farms- 4 Reg. Charolais Bulls- Poplar Bluff
- Jon Turner- (573)766-5361 or (573)210-1216
- Willard Abbott- (573)785-2789
- All Bulls have been Semen Checked and Trich Tested

Selling from the Greg Tharp Farm

- 15 Blk Replacement Heifers Just Ready to Breed
- Heifers weighing 800-850 lbs.
- 1 Three Year Old Reg. Hereford Bull

Selling from Valley G Ranch

- 14 Blk Angus Cows, 3-SS Years Old
- 2 Hereford Cows, 3-4 Years Old
- 2 Angus Bulls, 3-4 Years Old
- 2 Hereford Bulls, 3-4 Years Old

Selling From Donze Farm

- 30 Blk & BWF Fall Calving Cows
- Bred to Angus Bulls

Selling from the Tim Lappe Farm

- 12 Blk Cows, 5-8 Years Old
- Bred 2nd & 3rd Stage
- 1 Sim x Angus Bull, 3 Years Old

Selling from the Ray Farm

*****Complete Sellout*****

- 50 Blk & Char X Cows
- 45 With Calves
- Rest 3rd Stage

Selling from the Bleche Farm

- 40 Mixed Cows
- 25 With Calves
- Rest 2nd & 3rd Stage

1 Three Year Old Beefmaster Bull

Regular Sale every Wednesday 10:30 A.M.
Keith Robertson Cell Phone~ 314-560-3285
Home Phone~573-732-4987 • Salebarn Phone-573-756-5769

PUBLIC AUCTION
Saturday, April 13th, 2019 - 9:00 AM
Reel Livestock Center • Congerville, IL
Annual Spring Livestock Equipment & Machinery Consignment Auction
Items added daily. For updates go to www.reellivestock.blogspot.com or topauction24-7.com

Early Consignments: EQUIPMENT: JD3020 gas tractor w/ loader, new 16.9X34 tires, 6330hrs, side console SN#128634; IH1066 dsl, w/like new 18.4 X R38 tires (2) Massey Ferguson 65 tractors; IH 456 4rw planter; JD 7000 4rw planter; Case IH 900 8rn planter; IH 710 5x plow; JD 12' disc; 30' Harrowgator; McFarland 26' 8 bar harrow; JD 4rw rotary hoe; NI 1rw corn picker; elec flare box wooden gear; Weber wooden hi side wagon box; side dump wagon on gear; 3 flare box wagons; cultimulcher; (2) Massey Harris/ Ferguson 3bmt, 3pt plow; JD Van Brunt grain drill on steel wheels; Woods 72' 3pt mower; Ford 7ft 3pt rotary mower: **TRUCKS/CARS:** '08 Dodge Dakota; '03 Chevy Silverado, 100K+ mi: '03 Le Sabre Buick, 100K+ mi: **HAY & FORAGE:** JD 510 rd baler; NH Super hayliner 68: IH 440 baler; IH rake; NH 67 hayliner baler; Ford 3pt hay rake; sickle bar mower; NH 451 sickle bar mower 7'; 24' Allied bale elev on derick; hay rack: **LIVESTOCK EQUIPMENT:** Farm Star 150 bu creep feeder on wheels; Artsway feed grinder; JD manure spreader, gd driven; Gehl 7190 feeder wagon; Sudenga model 88 auger wagon; Bison 16' bumper hitch livestock trailer(nice); 20' gooseneck livestock trailer: **LAWN MOWERS AND ATVS:** assortment of brand name mowers, variety of styles, cutting width and size; '06 Polaris Sportsman 570: **MISC:** Vermeer 186 stump grinder w/trailer (needs work); cattle panels; gates, feeders, posts, wire, and usual hay rack items.

NO CONSIGNMENT ITEMS RECEIVED AFTER 6:00pm THURSDAY, April 11th.

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AUCTION

FROM PAGE B1

Fri., April 19
UNIONVILLE, MO.: 271.5 +/- Acres in 2 Tracts, 10 a.m., Larry Heishman, Sullivan Auctioneers, LLC, 844-847-2161.

Sat., April 20
LOWELL, IND.: Annual Machinery Consignment, 8:30 a.m., Niemeyer Auction Service, 219-313-2709.

Thur., April 25
FREELANDVILLE, IND.: 42.1 +/- Acres, 11 a.m., Deborah Jean Abrams & Paul Richter, Schrader Real Estate & Auction Company, Inc., 800-451-2709. **See p. B2**

LANCASTER, MO.: 260 +/- Acres in 3 Tracts, 5 p.m., Bryan & Grace March, Sullivan Auctioneers, LLC, 844-847-2161. **See p. B1**

Sat., April 27
RUSHVILLE, ILL.: 367 +/- Acres in 6 Tracts, 10 a.m., Herr Family Farm, Sullivan Auctioneers, LLC, 844-847-2161.

Tues., April 30
CANTON, MO.: 136 +/- Acres in 2 Tracts, 5 p.m., Successors in Interest of James & Delora DeWitt, Sullivan Auctioneers, LLC, 844-847-2161. **See p. B1**

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HIGHLIGHTS INCLUDE: Challenger MT765C track tractor, 1,952 hours; JD8330 MFWD tractor, 3,168 hours; Challenger 55 track tractor, 5,804 hours; JD 6320 MFWD tractor, open station, loader, 5,000 hours; JD 4430 2wd tractor, 6,679 hours; Case-IH 2388 2wd combine, 3,504/2,499 hours; Case-IH 2208 corn head; Case-IH 1020 30' platform; Spra-Coupe 7650 self-propelled sprayer, 2,177 hours; Great Plains YP-1625A 32 row Twin-Row planter; Great Plains YP-625 12 row Twin-Row planter; Case-IH 1200 16 row 30" planter; Kuhn Krause 8000 30' Excelsior; M&W Earthmaster 1700 7-shank disk ripper; Blu-Jet AT3000 15-knife liquid applicator; Dalton Ag. M1370 1,700 gal. nurse trailer; FDS 6,000 gal. nurse trailer; HyGrade 1400 hyd. blade; Schulte XH1500 15' batwing mower; Richiger R1050 grain bagger; Richiger R950 grain bagger; Brent 1082 grain cart; J&M 875 grain cart; Ficklin CA13000 grain cart; '11 Peterbilt 384 day cab semi; '12 Timpte 40' hopper bottom trailer; '05 Cargo Mate 28' enclosed snow mobile trailer; JD1600 lawn mower; JD F725 lawn mower; Hustler 928614B lawn mower; '03 Porsche Boxster S convertible; '11 Polaris Ranger 800 XP UTV; '08 Honda Rebel motorcycle; '93 Honda Gold Wing SE motorcycle; (2) Yamaha FX Cruiser High Output wave runners; (2) Ski-Doo 550 snow mobiles; Shop tools and more!

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Lifestyle

TO YOUR GOOD HEALTH

‘Burning’ tattoo forces halt to MRI procedure

By Dr. Keith Roach

Can you please explain how an MRI machine affects the pigment in a tattoo? My friend's MRI procedure was stopped because she was experiencing a burning sensation at her lower eyelids, which had previously been tattooed with black ink. Does this happen only with black ink? Which colors are safer?

Reactions between the ink in tattoos and MRI scanners are well-documented in the literature. Some inks — mostly black, red and brown — are made with iron or titanium oxides. Only 1.5 percent of people with tattoos have

reported bad experiences in MRI machines.

Iron and titanium oxides conduct electricity, and the strong magnetic field in an MRI scanner can cause a current to travel between different tattoos or different portions of a tattoo — especially those with loops in the pattern.

The electric current causes heat, and even can cause minor burns. Cold packs or ice placed on the area during MRI can minimize damage, but some MRI facilities will not perform an MRI on tattooed individuals, especially if the tattoo covers a large area. If a magnet draws

up the skin with a tattoo, then that area is at risk.

I recently was diagnosed with transient global amnesia. I had never heard of this. My primary care doctor sent me for further testing, which included an MRI and MRA with contrast, and a CT scan. All were normal. Can you elaborate on this condition?

Transient global amnesia is a cause of retrograde amnesia — “retrograde” meaning you don’t remember things from the past, usually the past day to a month, but sometimes longer; “anterograde” means memory loss forward from the time of the event.

Its cause is unknown, but it occurs more frequently in men and women over 50. Your doctor ordered the appropriate tests to make sure it wasn’t a transient ischemic attack or stroke. Epilepsy sometimes can look similar to TGA, so sometimes an EEG is obtained.

As scary as it sounds, TGA usually doesn’t happen again and doesn’t predict a higher risk of developing memory troubles, stroke or epilepsy in the future.

My wife has COPD. She is not coping very well. Her doctors are treating her with the standard medications. She has heard about an experimental treatment where they take her stem cells and make them into something that is inhaled. Have you heard about this treatment? Is it safe? Each treatment is \$7,000.

Stem cells are cells that can develop into many kinds of mature cells. In theory, they can grow and replace cells that have been damaged or destroyed due to a disease

process.

Stem cells hold great promise for many diseases, but there isn’t enough information for me to make a recommendation for stem cells in COPD, for either safety or effectiveness.

If you are going to look into it further, I would recommend doing so only as part of a clinical trial. You can find out about clinical trials at www.clinicaltrials.gov.

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Lifestyle

Faith, family and farming



Zippy Duvall

American Farm Bureau Federation

Many of you know that my wife Bonnie has been in the hospital for several weeks recovering from emergency surgery related

to her cancer, and I've been spending a lot more time in Georgia than in Washington lately.

Bonnie is doing much better. There's still a long road ahead, but Bonnie is getting stronger every day.

We're both so grateful for the outpouring of well-wishes and prayers we have received. I know that your prayers have made a difference.

From the bottom of our hearts, thank you!

In thinking about whether to write about a personal topic instead of the usual ag policy issues, the answer was clearly yes because agriculture and Farm Bureau are such a big part of life for Bonnie and me. It's times like this that remind us of what's really important.

Agriculture is foundational to the life that Bonnie and I have built together. Many Farm Bureau couples travel their agricultural leadership path as partners, as we have done for about 40 years.

It's appropriate because we know that we're not the only ones going through a hardship. As I look across the country, I see a lot of hurt right now, with farmers and ranchers dealing with flooding across the Midwest and parts of the South. It couldn't come at a worse time, with the downturn in agricultural exports and farm prices.

Many others are dealing with their own personal health challenges, as well. Bonnie and I are so thankful for the amazing innovation that all of us rely on when our health is at stake.

I've said it before and I'll say it again: It's interesting how people tend to be suspicious of modern technology applied to food production, but when it's a matter of inno-

vation and technology in cancer treatment or other life-saving therapies, we say "bring it on!"

I think the lesson here is to focus on the real-life problems that can be solved and the positive outcomes of tested, proven technologies. We must continue to educate consumers about the benefits to them from farmers' and ranchers' growing use of modern technology, from affordable food to a cleaner environment.

Bonnie and I are grateful also for the capable, caring medical professionals who are working with us: surgeons, oncologists and amazing nurses. It's because of farmers and ranchers working hard to feed all of us that some are able to pursue different careers.

The bottom line is agriculture is the foundation of our lives. Our nation's pastures and croplands are the engine that powers everything else. I've never been prouder to work for the men and women who feed, fuel and clothe the nation and much of the world. This is a tough time, economically, for many farmers and ranchers. Recent floods and heavy snowfalls are making things even harder. But I hope all our farmers and ranchers know how important they are, and I hope that knowledge inspires them to push through the hard times.

I'm also glad that the risk management programs we need were renewed and strengthened in the 2018 farm bill, to help in times like this.

In Farm Bureau, we have an informal motto of "Faith, Family, Farming," and I guess this column is about all three. Bonnie and I certainly have leaned on our faith over these past few weeks.

The entire Duvall family is feeling the embrace of our Farm Bureau family. And we are grateful for the role that farming plays in our own lives and for the hard work and dedication of the nation's farmers and ranchers.

Thank you again for your support and prayers. I hope to see you again soon.

Zippy Duvall is the president of the American Farm Bureau Federation.

DONNA'S DAY: CREATIVE FAMILY FUN

Make ricotta cheese in your kitchen

By Donna Erickson

When I hear "I made it from scratch!" at a gathering, my first instinct is to assume it must have taken a lot of time to prepare the tasty-looking dish coming my way down the table. But I also think, "Oh, it must be extra good!"

Here's where I'm going. Do you love ricotta cheese

in lasagna, or spread on crostini toasts and topped with a drizzle of olive oil and savory delights for a quick appetizer? Make ricotta yourself!

You can prepare it in your kitchen from start to finish in less than an hour "from scratch." And, it is extra good.

This isn't a true Italian-made ricotta, but it's an easy, delicious version.



Ricotta cheese is surprisingly easy to make your own at home. Serve on crackers or toast sliced from a baguette

Homemade Ricotta

Servings: About 1 1/4 cups

INGREDIENTS

- 4 cups whole milk (not ultra-pasteurized)
- 1 cup heavy cream (not ultra-pasteurized)
- 1/2 teaspoon salt
- 2 tablespoons freshly squeezed lemon juice or white wine vinegar

PROCEDURE

To prepare sieve for draining: Set a fine sieve or colander lined with a double thickness of cheesecloth over a deep bowl.

To prepare ricotta mixture: Combine milk, cream and salt in a large pot and bring to a boil over medium heat, stirring

occasionally. Watch carefully. Just as the mixture reaches a boil, turn off the heat, remove from burner and stir in the lemon juice. The mixture will separate and curdle. Let it set about a minute.

Pour into the cheesecloth-lined sieve and let the watery whey drain into the bowl. Discard the liquid that drips through. Let the curds continue to drain for about 25 minutes, until cool. The longer it drains, the thicker the ricotta.

Spoon the ricotta out of the cheesecloth and use immediately, or refrigerate in a covered storage container until ready to use within five days.

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Just heat milk, cream and salt to boiling, add lemon juice or vinegar, then gather 'round the pot with your kids and watch it curdle.

Within a half-hour of draining away the whey in a separate bowl, you'll have a lovely ricotta with a

light consistency and mild, sweet flavor for using in a favorite Italian recipe like lasagna, or for spreading on crackers or toast sliced from a baguette.

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Lifestyle

SENIOR NEWS LINE

Doing nothing in retirement

By Matilda Charles

A show of hands, please: How many of us are doing nothing we'd planned to do once we quit working? How many of us are, more accurately, doing nothing at all?

I thought it was just me, jettisoning carefully laid plans for how I'd spend my time and opting to do ... not much. I'm not the only one among my friends.

Those who are ahead of me claim they did the same thing for one year. That length of time seems to be the common theme,

spending a year chilling out, avoiding responsibility if it involves making plans and in general hiding from those who want to rope us into doing ... anything.

The suspected reason: We did too much during our working years.

At the end of the year, I'm told, it's like coming up for air, looking around at the world and deciding to join it again.

Experts say this happens frequently, that once we retire we don't know how to make new friends, and so on. I think they're wrong.

It's not that we don't

know how to do those things. We just don't want to.

When it comes to volunteering, they say that the "menial" type of volunteer work available doesn't appeal to us. But then neither does the "mentoring" they say should be the answer to it all because it would use our skills.

Once I identified this "I'm not going to do anything" mentality in myself, I decided to counter all the TV watching with a personal strategy designed to at least get me out of the house.

On a big calendar, I've

made entries for things like visiting the library once a week or checking out a class at the senior college.

And, when the time comes, I don't actually have to do those things. I can say no.

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Takata air bags claim another life after Arizona crash

DETROIT (AP) – An Arizona man killed by an exploding Takata air bag inflator brings the worldwide death toll to at least 24.

Armando V. Ortega, 55, of Yuma, died June 11, 2018, three days after his 2002 Honda Civic was involved in a crash in near Phoenix, according to the Arizona Department of Public Safety.

Honda said in a statement that the Civic driver was hit by shrapnel and injured. He later died at a hospital.

The death, which wasn't reported to a federal agency until last month, is the 16th in the U.S. caused by the air bags, which can explode with too much force and hurl shrapnel into drivers and passengers.

Seven people were killed in Malaysia and one in Australia.

More than 200 people also have been hurt by the inflators, which have caused the largest series of automotive recalls in U.S. history involving with as many as 70 million inflators to be recalled by the end of next year. About 100 million inflators are to be recalled worldwide.

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2019 Chevrolet K3500 Crew Cab Short Bed 4x4, W/T, 6.6 Duramax, Allison, Full Pwr., Spray In Liner, Plow Prep, Power Pkg., HD Trailing Pkg., Locking Diff., Plow Prep., Red & White Stock! **NICE PRICED TRUCKS!**



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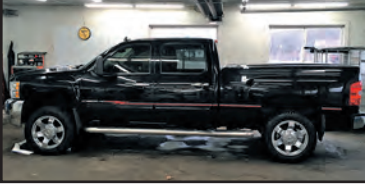
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2018 GMC K2500HD Crew Cab Short Bed 4x4, Denali, 6.6 Duramax, Allison, Full Pwr., Htd & Cooled Lthr., Sunroof, Navigation, Roof Marker Lamps, Z71, 7K 1 Owner Miles, We Sold New! Sharp! **\$61,995 Save Big!**



2019 GMC K3500HD Crew Cab, Long Bed, Denali, 4x4, LTZ Pkg., 6.6 Duramax, Allison, Full Pwr., Heated & Cooled Lthr., Sunroof, Navigation, Roof Marker Lamps, Z71 Pkg. **Just In!**



2019 GMC K3500HD Crew Cab, Short Bed 4x4, Denali, 6.6 Duramax, Allison, Full Pwr., Heated & Cooled Lthr., Sunroof, Navigation, Roof Marker Lamps, Z71 Pkg. **Just In! Several In Stock!**



2019 GMC K3500 Crew Cab Short Bed 4x4, Denali, 6.6 Duramax, Allison, Full Pwr, Htd & Cooled, Sunroof, Lthr, Spray In Liner, Color Matched Flares, Hard to Find! **Quicksilver!**



2015 Chevrolet K3500 Double Door Long Bed 4x4, LTZ Pkg., 6.6 Duramax, Allison Auto, Full Pwr., Htd. & Cooled Lthr., Navigation, Z71, Roof Marker Lamps, B&W Gooseneck, New Tires, 1 Owner, We Sold New, Hard to Find Long Bed 3500! .. **\$47,995**



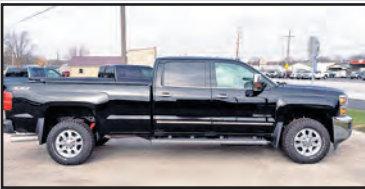
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2008 Chevrolet K3500 crew cab dually 4x4, LTZ pkg., 6.6 Duramax, Allison, htd, lthr, locking diff., trailing pkg., spray in liner, B&W gooseneck, new injectors, 1 owner, we sold new! Sharp! ... **\$28,995**



2017 Chevrolet K2500HD Crew Cab Short Bed 4x4, LTZ Pkg., 6.6 Duramax, Allison, Full Pwr., Htd. & Cooled Lthr., Allison Auto, Full Pwr., Htd. & Cooled Lthr., 20" Wheels, Roof Marker Lamps, Z71, 20" Wheels, 1 Owner, We Sold New! **\$56,995**



2015 Chevrolet K2500HD Crew Cab Short Bed High Country 4x4, 6.6 Duramax, Allison Auto, Full Pwr., Htd. & Cooled Lthr., Sunroof, Navigation, 20" Wheels, B&W Gooseneck, We Sold New! **\$51,995**



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2017 GMC K2500HD Crew Cab Short Bed 4x4, SLT, 6.6 Duramax, Allison, Full Pwr., Heated & Cooled Lthr., Spray In Liner, B&W Gooseneck, We Sold New! Sharp Unit! **\$51,995**



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Hyundai engine problem prompts recall

DETROIT (AP) – Hyundai has found a new problem that can cause its car engines to fail or catch fire, issuing yet another recall to fix problems that have affected more than 6 million vehicles during the past 3 1/2 years.

The Korean automaker, under pressure from safety regulators, is recalling about 20,000 Veloster cars in the U.S. and Canada because fuel can prematurely ignite in the cylinders around the pistons. That can cause

excessive pressure and damage the engine, causing vehicles to stall and in some cases catch fire, according to Hyundai documents posted last week by the U.S. National Highway Traffic Safety Administration.

The recall, which covers only the 2013 Veloster with 1.6-liter engines, is due to a software problem that has been found only in that model year and not in other Hyundai engines, company spokesman Michael Stewart said.

Cattlemen producing record amounts of quality beef

By Martha Blum
AGRINEWS PUBLICATIONS

DIXON, Ill. – U.S. beef, pork and poultry producers are producing a lot of protein for consumers.

“There’s a lot of protein out there, and it’s not just pork and poultry. There’s a lot of beef out there, too,” said Lance Zimmerman, analyst at CattleFax.

“Nearly every year from 2015 and on, our estimation into the middle of the next decade is there is going to be a new record high in protein production.”

With this much production, Zimmerman said, the infrastructure for slaughter is stretched, as well as the domestic demand and the capability of getting the meat moved globally.

According to the U.S. Department of Agriculture’s Cattle Inventory Report, the total number of cattle increased by 500,000 head from Jan. 1, 2018, to Jan. 1, 2019.

“The number of beef cows increased by 1 percent, or 300,000 head,” Zimmerman said during a presentation at the Illinois Cattle Feeders Day, organized by University of Illinois Extension.

“We’re dealing with the thralls of expansion, but the good news is year-over-year heifer numbers are starting to slow,” he said. “We still feel we can get to 32 million head of beef cows in 2020 or 2021 and then start liquidating the cow herd after that.”

That is a guess, Zimmerman said, based on the timing of previous expansions.



AGRINEWS PHOTO/MARTHA BLUM

Lance Zimmerman discusses cattle numbers and the cattle cycle during a cattle feeders seminar. The cattle analyst says U.S. cow-calf producers will add cows to their herds as long as they are profitable and they have enough grass for the herds to graze.

“Going back to the ‘70s, there is usually a five- to six-year uptrend in cow numbers and then a five- to six-year downtrend,” he said.

“This one has mostly been a downtrend from 2000 levels with a small peak in ‘05 and ‘06 and then went straight lower,” he said. “The expansion got cut short due to drought, poor margins and high grain prices.”

Therefore, cattlemen may expand longer than normal because they contracted longer than normal.

“We missed one of our five-year upcycles on that 10-year cycle,” Zimmerman said. “The formula for expansion is very simple – the cow-calf industry will keep adding cows as long as they’re profitable and Mother Nature gives them feed.”

For the last 20 years, Zimmerman said, on average, the cow-calf segment

has been profitable.

“Today, the northern plains, through the Dakotas and into Montana and Wyoming are pretty close to capacity since they have added about as many cows as they want to,” he said. “Towards Nebraska, Kansas and Texas, there is a little bit more room to add cows, but they’re nearing capacity.”

The big opportunity, Zimmerman said, is in the southeastern part of the United States.

“They are still ripe for expansion because the margins have been good,” he said.

“Our forecast for 2020 is that heifers will drop from 5.9 million head to 5.6 million head, and that decline is dominated by bred heifers down by 200,000 head,” he said.

For this year, Zimmerman expects slaughter capacity to be stretched.

“We’re pushing 530,000 head per week, and as we

get to the peak this summer, that means the bargaining position of cattle feeders comes under pressure,” he said.

“Last year, we peaked the market in February, and we think this year with the winter weather, that will help hold the market together after the highs,” he said. “The low 130s we probably be the upside for the Central Plains steer price and once those highs are in, we’ll start chipping away at the market and by the time we get to summer, fat cattle will probably be back to \$110 to \$115.”

The good news is that the consumer feels pretty good about the economy, Zimmerman said.

“Consumers seem to be weathering the stock market decline we just went through just fine,” he said. “And that’s mostly because wages have held up and allowed them the chance to spend plenty on meat.”

Cattlemen are producing record amounts of high quality beef.

“This is the fifth consecutive year of record high Choice and Prime beef production,” Zimmerman said.

“We’ve been profitable as an entire industry, but the cattle feeding segment has taken it on the chin more often than not.”

Going forward, Zimmerman said, the expectation for retail beef prices is to be a little higher, but still below the pace of inflation.

“We think fed cattle will be steady,” he said, “but I don’t think we’ll stay at \$130 or above it very long this spring. Feeders may be a little softer than \$147.”

Martha Blum can be reached at 815-223-2558, ext. 117, or marthablum@agrinenews-pubs.com. Follow her on Twitter at: @AgNews_Blum.

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Dairy producers participate in Margin Protection Program

WASHINGTON – The U.S. Department of Agriculture announced that dairy producers who elected to participate in the Livestock Gross Margin for Dairy Cattle Program now have the opportunity to participate in the Margin Protection Program for Dairy for 2018 coverage. Sign-up will take place through May 10.

Producers enrolled in 2018 LGM-Dairy, administered by USDA’s Risk Management Agency, previously were determined by the 2014 farm bill to be ineligible for coverage under MPP-Dairy, a safety net program available through USDA’s Farm Service Agency.

“The 2018 farm bill included substantial changes to USDA dairy programs,” said FSA Administrator Richard Fordyce. “This includes the ability for producers with LGM coverage to retroactively enroll in MPP-Dairy for 2018. It also integrated recent improvements to the MPP-Dairy in the new Dairy

Margin Coverage program, beginning with the 2019 calendar year.”

The MPP-Dairy program offers protection to dairy producers when the difference between the national all-milk price and the national average feed cost – the margin – falls below a certain dollar amount selected by the producers in a dairy operation.

LGM-Dairy is an insurance product that provides protection when feed costs rise or milk prices drop. The gross margin is the market value of milk minus feed costs.

This retroactive sign-up is only for dairy producers with 2018 LGM coverage who produced and commercially marketed milk in 2018, but did not obtain full-year MPP-Dairy coverage.

FSA will notify eligible producers by postcard and provide a one-time payment for all of the months in 2018 that had margins triggering MPP-Dairy assistance.

“I’m pleased that dairy producers will now be

able to take advantage of enrolling in both Livestock Gross Margin and the Margin Protection Program for 2018 coverage,” RMA Administrator Martin Barbre said.

“The 2018 farm bill gave dairy producers more options like these and when

combined with the new Dairy Protection Program offered by RMA, that means more overall coverage for dairy producers.”

Eligible producers can enroll during the sign-up period at their local USDA service center. To locate an office, visit farmers.gov.

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Formulating cattle rations a moving target

Goal is to match forage to animal requirements

By Martha Blum
AGRINEWS PUBLICATIONS

STOCKTON, Ill. — Balancing rations for cows is a moving target.

“Animals are a dynamic system because things are constantly changing,” said Travis Meteer, University of Illinois Extension commercial agriculture educator. “There are a bunch of bugs you’re actually feeding in the rumen, and there is no one prescription out there.”

Forage quality changes as forage matures.

“Fiber in forages is low when the plant is immature and vegetative, and as it matures, the fiber fraction increases,” Meteer said during a presentation at the Illinois Forage Institute and Northwest Illinois Grazing Conference, coordinated by U of I Extension and the Northwest Illinois Forage and Grassland Council.

And much like the changing forage quality over time, Meteer said, nutritional needs of cows change during their production cycle.

“The cow’s peak requirement is 30 to 60 days after the animal has calved, and once the calf is weaned, her energy requirements go down,” he said.

“Lactating cows, dry cows, growing heifers and open cows all have different nutrient requirements, and they may need different forage qualities,” he said. “So, you need to formulate rations, observe the animals and re-formulate the rations because that moving target is hard to hit.”

Before formulating a ration, producers should start by testing their for-



AGRINEWS PHOTO/MARTHA BLUM

Travis Meteer discusses the importance of formulating a balanced ration for cows during the Illinois Forage Institute.

ages.

“If we don’t know what the forage is, we can’t formulate the ration,” Meteer said.

“Animals need so many pounds of energy and crude protein,” he said.

“That is part of the reason cattle do so much better on high-quality forage because they have higher intakes and intake drives average daily gain,” he said. “Intake drives milk production so when cows slow their feed intake, milk production goes down.”

LOW HAY SUPPLY

Hay supplies are currently in short supply.

“I’ve probably received more phone calls this year than in 2012 about where to find hay,” Meteer said. “I’m a big advocate of cornstalks for a beef cow ration, even though they are not high quality feed because they can keep a cow full.”

During the first month or so of grazing cornstalks, the TDN is fairly high, Meteer said.

“They are finding corn and the husk is a pretty nutritious part of the plant,

so it is actually a pretty nice diet,” he said. “But when that’s gone, all that is left is a few leaves and stalks, which is not a very good diet.”

Meteer stressed the need to match the forage to the stage of production of the animal.

“During mid-gestation after the calves are weaned, the cows don’t require a whole lot,” he said. “During late gestation, the nutrient requirements step up, and then while they are producing milk, the cows have a higher requirement.”

Research has shown during late gestation, if cows don’t get adequate nutrients and they lose weight, there will be a drastic impact on the performance of their calves, Meteer said.

“The calves will have lower average daily gain, lower quality carcasses and less fertile females,” he said. “The cows can take some of those insults and still have a calf, but there may be some issues on how productive the calf is at later stages of its life.”

The goal for a 1,300-pound lactating cow is

to formulate a least cost, balanced ration with 18 pounds of TDN and 3 pounds of crude protein.

“That puts her at maintenance,” Meteer said.

“We also need to consider the environment because if she’s standing in six to eight inches of mud or the temperature is zero degrees, her requirements go up.”

Cattle are the “ultimate up-cycler,” he said.

“They can use grains, stalks, hay, corn silage and byproducts,” he added.

“Manure is the best way to evaluate the crude protein in a cattle diet,” he said. “If the manure is loose, shallow to the ground and scattered out, you are probably overfeeding protein.”

If there is not enough protein in the ration, the manure will be stacked and dry, Meteer said.

“Then you need to intervene and offer supplementation to the cattle to increase the crude protein level,” he said. “Observation of the manure can tell you pretty quickly what is going on.”

Body condition score is one of the best indicators of energy in the diet, Meteer said.

“A cow with a body condition score of 3 to 4 is thin, and she has a higher risk of not breeding back,” he said. “We want to keep cows in the middle with a score of 5 to 6, and that can solve a lot of problems.”

Meteer also advises cattlemen to monitor the fill of their animals.

“Look at the side of the animals, and if they’re full, that’s an indicator the forage quality is good and they’re eating well,” he said. “If she is gaunt and empty, then she probably doesn’t have a lot of good grass in front of her.”

Trace minerals will impact the hair and hoof health of cattle.

“Slick, shiny-hided cattle with shiny hooves are

cattle that are in good mineral status,” Meteer said.

“If there are trace mineral deficiencies, a lot of times we’ll see dull-looking cows.”

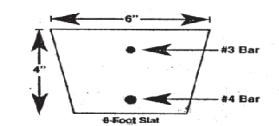
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ROSEMONT, Ill. — Applications are being accepted for college scholarships that are awarded by America’s dairy farmers and importers through the National Dairy Promotion and Research Board.

Eleven scholarships worth \$2,500 each will be awarded, in addition to a \$3,500 James H. Loper Jr. Memorial Scholarship to one outstanding recipient. NDB funds, in part, Dairy Management Inc., which manages the national dairy checkoff program.

Students in their sophomore through senior year majoring in one of the following fields are eligible: communications/public relations, journalism, marketing, business, economics, nutrition, food science and agriculture education.

Scholarships are awarded based on academic achievement, an interest in a career in a dairy-related discipline, and demonstrated leadership, initiative and integrity. Candidates must complete an application form, submit

an official transcript of all college courses, and write a short statement describing their career aspirations, dairy-related activities and work experiences.

Applications can be downloaded at www.dairy.org/about-dmi/scholarship-program or by sending an email to DMI’s Nate Janssen at nate.janssen@dairy.org.

Completed applications should be submitted to the National Dairy Board c/o Nate Janssen, Dairy Management Inc., 10255

W. Higgins Road, Suite 900, Rosemont, IL 60018. They must be postmarked no later than April 26.



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2010 CIH-3408 CORN head, off flag ship, very good cond., on Unverferth HT25 cart, \$16,500 w/o cart, \$15,000. Cray big top ext., off 7010, \$200. Call 608-558-2171

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1967 JD-2510 TRACTOR, 1023 hrs. on overhaul, 53 hp, 2wd, 8 spd. Sincro trans, 1 remote, gas, newer canopy, Exc. Cond., \$7,500 Call 618-980-3202

1977 JD 4430 tractor, cab, air, heat, radio, 6100 original hours, one owner, quad range trans., 2-hyd remotes, front and rear weights, 18.4x38 w/duals, new batteries, hyd. 3pt assist, 5000-hours spent \$20,000 on trans at JD shop, \$18,500. 217-841-3861

1979 Raven dump tractor, 3rd axle, bought new, 618-246-6311

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1982 JD-4640, HYD. front wheel drive, 6080 hrs. 3 hyd., 6 new Firestones, very nice, Call 815-988-2074

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1983 JD-4840, 8-SPD. PS, 3 outlets, bolt on duals, new Firestone 18.4-42 tires, set of 16 wts., 4859 hrs., Call 815-993-8469

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1987 JD-8450, 1000 PTO, 3 pt., 4000 hrs. on reman. eng., auto steer, 20.8x38 Firestones, 50%, interior good, \$24,900 Macoupin Cnty IL. Call 314-640-9210

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1996 CIH-7250 4400 hrs. new paint & interior, 18.4x46 duals, Call 618-407-6875

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1999 JD-8300T, AUTOSTEER, Green Star ready, 2nd owner, wide track spacing 120 inches, 18 inch tracks, 4 remotes, 6591 hours. \$51,500. (309)313-5300.

2002 CIH MX240, 5250 hrs. duals, frt & rear, Michn, 1-owner, Nice, always shedded, asking \$59,000 obo. (217)836-4819

2002 JD-8120, MFWA tractor 3741 hrs., duals, front Weights, 3 remotes, no navigation, \$81,500. 815-488-2835. Leave message or text.

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JD-8100, 1998, 5428 hrs., 2wd, 3-hyd., 3 PTO's, 46" rear tires, \$48,000 Call 815-692-3100

JD-8330 MFD, 3002 hrs., JD-8450 w/PTO, SE WI. Call 262-882-5100

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Tractors

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2005 Freightliner Columbia 120, Air Ride, Tandem Axle, 14L Detroit eng., 10-spd. Trans., 316,000 miles, \$36,500. 217-924-4405 8-5pm.

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EPA proposes year-round E15, RIN compliance reform

By Tom C. Doran
AGRI-NEWS PUBLICATIONS

WASHINGTON — Following a challenging 2018, the ethanol industry received some positive news when the U.S. Environmental Agency released its proposed rulemaking to allow year-round E15 sales, as well as reform proposals to the Renewable Identification Number credit market.

Currently, retailers throughout most of the country are prohibited from offering E15 between June and September based on concerns it contributes to smog.

Under the proposed expansion, E15 would be allowed to be sold year-round without additional Reid vapor pressure control rather than just eight months of the year. The one pound per square inch waiver for RVP was approved by EPA for year-round E10 sales in 1992 but not for E15.

Ethanol volatility is the property of a liquid fuel that defines its evaporation characteristics. RVP is a common measure for gasoline volatility. EPA regulates the vapor pressure of gasoline sold at retail stations during the summer ozone season to reduce evaporative emissions from gasoline that contribute to ground-level ozone and diminish the effects of ozone-related health problems, according to the EPA.

The agency also is proposing regulatory changes to modify certain elements of the RIN

compliance system under the Renewable Fuel Standard program, in order to bring greater transparency to the market and deter price manipulation.

EPA's comment period on the proposal runs through April 29. Proposed reforms to RIN markets include:

- Prohibiting certain parties from being able to purchase separated RINs.

- Requiring public disclosure when RIN holdings exceed specified thresholds.

- Limiting the length of time a non-obligated party can hold RINs.

- Increasing the compliance frequency of the program from once annually to quarterly.

President Donald Trump announced plans last fall to lift year-round restrictions on E15 sales and directed the EPA to initiate the rulemaking process.

The president also said he would seek reforms to biofuels credit trading, known as RINs, which will provide greater transparency and help reduce volatility in the market.

The ethanol industry experienced "demand destruction" in 2018 as the result of former EPA Administrator Scott Pruitt's small refinery exemptions, which excused 48 refiners for the 2016 and 2017 compliance years from their blending obligations under the RFS. Seven to eight waivers were granted each of the three previous years.

The EPA reinstated RFS credits known as RINs to those

refiners which they can use for compliance rather than blending physical biofuels.

The waivers were designed for refineries producing less than 75,000 barrels per day that can demonstrate that they suffer a "disproportionate economic hardship" from the costs of RFS compliance.

Ethanol proponents and opponents lined up to express their views on the proposed policy changes.

"We appreciate the efforts of the EPA and the Trump Administration in getting this proposed rule published so that we can have the rule-making completed by the start of the summer driving season, June 1. Illinois motorists will benefit from year-round access to E15 fuel as it is available at dozens of fuel retail locations in our state. We will be providing comments to EPA and urging our membership to provide input during the comment process as well. E15 gives consumers more choice at the pump, a lower price option and the knowledge that their choice benefits the environment by reducing greenhouse gas emissions and it also benefits human health by reducing other toxins in the air."

Ted Mottaz, president
ILLINOIS CORN GROWERS ASSOCIATION

"With just 80 days to go until the start of the 2019 summer driving season, we will urge stakeholders to provide public comment to EPA, so a legal-

ly-defensible rule can be in place by June 1. Time is of the essence, particularly since EPA insists on saddling the E15 rulemaking with controversial RIN reforms that will need to be carefully reviewed to ensure they don't undermine ethanol demand. Access to E15 all year will increase the fuel's availability, reduce refiner RIN costs, and open much-needed market access for surplus corn. As pleased as we are with this important step in the process, the upside potential of E15 year-round will be blunted unless and until EPA returns sanity to the way it handles small refinery exemptions under the RFS. EPA needs to restore the 2.25 billion gallons of biofuel blending obligations waived for large, profitable refineries."

Brian Jennings, CEO
AMERICAN COALITION FOR ETHANOL

"The move to expanded use of higher level blends of ethanol is absolutely vital at this moment in time. More E15 use means we can begin to dig into our massive oversupply of corn, lifting prices ever so slightly for all commodities. Moving forward, we need to build on this achievement by expanding use of E30 gasoline. The result would be a necessary boon for farm families stuck with low prices in a struggling farm economy and rural communities that are in need of economic rejuvenation. It would also lead to cheaper gasoline prices, better performing engines, and

significant climate gains for consumers."

Roger Johnson, president
NATIONAL FARMERS UNION

"The administration needs to scrap this anti-consumer policy that exacerbates problems with the failed RFS. This proposal is a bad deal for consumers. Extending the sale of E15 gasoline to the summer months makes no sense. Studies have shown that E15 gasoline can damage vehicle engines and fuel systems — potentially leaving Americans to pay expensive car repair bills due to bad policy out of Washington. In fact, nearly three out of four vehicles on the road today were not

Calendar

APRIL

CHAMPAIGN COUNTY

April 12 – Team Building for Extension Volunteers: 1 to 3 p.m., Champaign County Extension office, 801 N. Country Fair Drive, Champaign, Ill., 61821.

April 13 – 4-H State Hippology Contest: 8 a.m., U of I campus, David Klinley Hall, 1407 W. Gregory Drive, Urbana, Ill., 61801.

April 13 – 4-H State Horse Speaking Contest: 10 a.m., U of I campus, David Klinley Hall, 1407 W. Gregory Drive, Urbana, Ill., 61801.

April 14 – 4-H State Horse Bowl: 8 a.m., U of I campus, Education Building, 1310 S. 6th St., Champaign, Ill., 61820.

COOK COUNTY

April 6 – Grace Seeds Ministry Spring Celebration and Water Workshop: 9 a.m. to 1 p.m., Mt. Zion Lutheran Church, 10400 S. Kostner Ave., Oak Lawn, Ill., 60453; <https://web.extension.illinois.edu/registration/?RegistrationID=19932;773-495-7865>.

CRAWFORD COUNTY

April 18 – Spring Fling 4-H Dance: 7 to 9 p.m., Robinson Community Center, 300 S. Lincoln St., Robinson, Ill., 62454.

EDGAR COUNTY

April 6 – Livestock and Master Showman Clinic: 8:45 a.m. to noon, Edgar County 4-H Fairgrounds, 319 E. Elliott St., Paris, Ill., 61944.

April 11 – April in Paris Gardening Workshop: 8:15 a.m. to noon, Cornerstone Baptist Church, 15197 US Hwy 150, Paris, Ill., 61944.

April 11 – Edgar County Public Speaking Contest: 6 p.m., Edgar County Extension office, 210 W. Washington St., Paris, Ill., 61944; 217-465-8585.

FULTON COUNTY

April 13 – Gardeners' BIG Day: 8:45 a.m. to 4 p.m., Spoon River College, 23235 N. County Highway 22, Canton, Ill., 61520; <http://go.illinois.edu/BIGday2019>.

JEFFERSON COUNTY

April 10 – Backyard Beekeeping: 6:30 p.m., CE Brehm Library, 101 S. 7th St., Mt. Vernon, Ill., 62864.

April 13 – 4-H Livestock Judging Contest: 11 a.m., Jefferson County 4-H Fairgrounds, 468 N. Ken Gray Pkwy., Ina, Ill., 62846.

KANKAKEE COUNTY

April 6 – Storybook Trail: 10 a.m. to noon, Shannon Bayou, 3301 Waldron Road, Aroma Park, Ill., 60910.

April 8 – Lawn and Garden Weeds: 10 to 11 a.m., Kankakee County Extension office, 1650 Commerce Drive, Bourbonnais, Ill., 60914; 815-933-8337.

April 12 – Incredible Edible Flowers: 10 to 11 a.m., Kankakee County Extension office, 1650 Commerce Drive, Bourbonnais, Ill., 60914; 815-933-8337.

April 15 – Spruce Problems: 10 a.m., Kankakee County Extension office, 1650 Commerce Drive,

Ag Breakfast June22

FREEPORT, Ill. – The 34th annual Stephenson County Ag Breakfast will be from 6 to 10 a.m. June 22 at the Stephenson County Fairgrounds, Freeport.

A variety of displays and interactive activities will fill the morning to tell the agriculture story.

Advance tickets will be available for purchase at the Farm Bureau office for \$5.

For more information about the breakfast, call Ardath DeWall, at 815-864-2561.



Fun with Floriculture

Join Knox County 4-H Federation and master gardeners for “Fun with Floriculture” at 1 p.m. April 13 at the Knox Agri Center, 180 S. Soangetaha Road, Galesburg. Participants of all ages will learn how to pot succulents and arrange flowers. Cost is \$10 for 4-H members, \$13 for nonmembers. Register at <https://go.illinois.edu/Floriculture> or call 309-342-5108.

Bourbonnais, Ill., 60914; 815-933-8337.

April 18 – 1 on Diabetes: 9:30 a.m. to 12:30 p.m., Kankakee County Extension office, 1650 Commerce Drive, Bourbonnais, Ill., 60914; 815-933-8337.

April 19 and 22 – Certified Food Protection Managers Class and Exam: 9 a.m. to 3 p.m., Kankakee County Extension office, 1650 Commerce Drive, Bourbonnais, Ill., 60914; 815-933-8337.

KNOX COUNTY

April 13 – Fun with Floriculture: 1 to 3 p.m., Knox Agri Center, 180 S. Soangetaha Road, Galesburg, Ill., 61401; <https://go.illinois.edu/Floriculture>; 309-342-5108.

LA SALLE COUNTY

April 17 – Cooking Together – Illinois Nutrition Education Programs in Action: 2:30 to 4 p.m., University of Illinois Extension Education Center and Community Teaching Kitchen, 944 First St., La Salle, Ill., 61301; 815-250-0372.

LIVINGSTON COUNTY

April 6 – A Day in the Garden Patch: 8:30 a.m. to noon, Livingston County Extension office, 1412 S. Locust, Pontiac, Ill., 61764.

MACON COUNTY

April 13 – 2019 Carolyn Mason Education Day: 9 a.m. to 3 p.m., Macon County Extension office, 3351 N. President Howard Brown Blvd., Decatur, Ill., 62521; go.illinois.edu/dmp; 217-877-6042.

MCDONOUGH COUNTY

April 6 – Gardener's Day: 9 a.m. to 2:30 p.m., Spoon River College Outreach Center, 2500 E. Jackson St., Macomb, Ill., 61455; 309-837-3939.

MC HENRY COUNTY

April 6 – Gardenfest: 7:30 a.m. to 4:30 p.m., McHenry County College, 8900 US Hwy 14, Crystal Lake, Ill., 60012.

MONROE COUNTY

April 13 – Southern Illinois Sheep Fest Youth Judging Contest: 9:30 to 11:30 a.m., Monroe County Fairgrounds, 4177 St. Rt. 156, Waterloo, Ill., 62298.

MOULTRIE COUNTY

April 15 – Wits Fitness Brain Exercise Class: 2 to 3 p.m., Moultrie County Extension office, 122 S. Walnut, Arthur, Ill., 61911.

PIATT COUNTY

April 11 – Get Ready for Farmers Markets: 6 to 8 p.m., Piatt County Extension office, 210 S. Market St., Monticello, Ill., 61856; go.illinois.edu/dmp; 217-762-2191.

PUTNAM COUNTY

April 11 – Vegi-Centric: 10:15 to 11 a.m., Putnam County Community Center, 1st Street, Standard, Ill., 61363; 815-224-0889.

ROCK ISLAND COUNTY

April 8 – Spring Series of Horticulture: How to Grow and Utilize Hop Plants: 7 to 9 p.m., Rock Island County Extension office, 321 W. 2nd Ave., Milan, Ill., 61264.

April 11 – Pork Chop Dinner and Pie Auction Fundraiser: 4 to 7 p.m., Milan American Legion, 515 1st Ave. West, Milan, Ill., 61264.

April 15 – Spring Series of Horticulture: Mead Making: 7 to 9 p.m., Rock Island County Extension office, 321 W. 2nd Ave., Milan, Ill., 61264.

SANGAMON COUNTY

April 11 – Making Better Compost: 1 to 4:30 p.m., Sangamon County Extension office, 700 S. Airport Drive,

Springfield, Ill., 62707; <https://web.extension.illinois.edu/lms>.

ST. CLAIR COUNTY

April 11 – Taste of the Area: 5 to 8 p.m., Regency Conference Center, 400 Regency Park, O'Fallon, Ill., 62269.

VERMILION COUNTY

April 16 – VCMG Tuesday Night Class: Annuals and Perennials with Pat Sollars: 6 to 7 p.m., Danville Public Library, 319 N. Vermilion, Danville, Ill., 61832; <https://web.extension.illinois.edu/cfiv>; 217-442-8615.

WABASH COUNTY

April 15 – St. Mary's Monarchs on the Move: 10 to 11 a.m., St. Mary's School, 417 Chestnut St., Mt. Carmel, Ill., 62863.

WOODFORD COUNTY

April 13 – Gardeners' Gathering: 8:30 a.m. to noon, Great Oaks Community Church, 515 Rt. IL-116, Germantown Hills, Ill., 61548.

April 18 – Diabetes Clinic: Back to Basics: 1:30 to 2:30 p.m., Woodford County Extension office, 109 E. Eureka Ave., Eureka, Ill., 61530.



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OPINION

WHAT'S TRENDING

These are this week's most read stories on the AgriNews website:

- | | |
|---|--|
| 1. Guebert: Walmart and Costco become farmers | 4. 'Snakebit' ethanol industry eyes growth opportunities |
| 2. Frye: How to know yourself better as a farm leader | 5. Farm economy still 'running on fumes' |
| 3. Genetically modified salmon to be grown in Indiana | |

What's your opinion? Send correspondence to: Letters, Illinois AgriNews, 420 Second St., La Salle, IL 61301; or email: letters@agrinews-pubs.com

Challenging recovery for flood victims



Rural Issues

Cyndi Young-Puyear

My heart breaks when I see pictures and video and hear from those farmers and ranchers who have suffered through the blizzards or flooding across the Midwest.

Growing up in a farming community near the Illinois River and now living in one near the Missouri River, I am familiar with the benefits and the disadvantages proximity to a river brings.

I know the power of that wicked wet force of nature that willfully serpentine, fighting with humankind to determine its own path across the land.

And I know the important role the river plays as a drainage channel, an energy source, and a travel route for commerce. I know what the fertile soils of the river bottoms can yield.

I have experienced the eerie stillness of the night with only the lapping of the brown river water against the sandbags stacked up to reinforce the levee to prevent it from eroding and breaching. I have filled sandbags and searched for seep holes.

I've been there when the fight against flooding was won, and I've been there when even the most valiant efforts by an army of volunteers and the Army National Guard were no match for the unbridled fury of a violent torrent of water.

Floods leave scars. The economic impact of a flood's assault against the land and its inhabitants is the most obvious wound.

The damage left behind by the most recent flooding is yet to be measured. We've learned about damage to homes, farm buildings, grain bins and in some areas — entire small towns.

In some cases, something was left to salvage. In others: a total loss.

Livestock died. In Nebraska, hundreds of animals were swept away in the floods. Some have yet to be found.

Many of those drowned animals are showing up miles away from where they were when disaster struck. Those carcasses will need to be disposed of.

Many farmers must deal with loss of grain stored in bins destroyed in the rising waters. Once the flood waters recede, what remains is often eroded farm fields riddled with gullies, crop residue, logs and a wide assortment of trash and debris.

Some fields will have sand and silt drifts measured in inches, or in some cases, feet. Drainage systems in those fields could be clogged.

The economic repercussions of these floods will be felt for a very long time. Some of the fields will not be cropped at all this year and maybe not next year. Businesses dependent upon agriculture will feel the pain.

Damage to infrastructure is extensive. Roads, bridges and even dams have been destroyed. Driving to work, to school or to a healthcare provider is a challenge.

The social impact of floods can be devastating. The definition of debris is "the remains of something broken down or destroyed."

Drought can affect people physically and emotionally. The emotional scars on the people, their families and the communities may never completely heal.

As is the case with most disasters of this magnitude, the grit and resiliency of those who live in rural America and its small communities is carrying them through this difficult time. There is, in the heart of most farmers, an inherent optimism that seems to know no bounds.

God bless them and their communities now and in the challenging days of recovery ahead.

Cyndi Young-Puyear is farm director and operations manager for Brownfield Network.

Differing views of rural economy



Farm & Food File

Alan Guebert

heavyweights slugging it out — as much as verb-slingers slug at all — on the world's most prestigious opinion page.

Nobel Prize-winning economist Paul Krugman threw the first punch with a March 18 column titled "Getting Real About Rural America." In it, he noted that rural America's deepening economic woe is, "in some cases," the result of "powerful forces ... that nobody knows how to reverse."

Krugman is being kind. He knows these powerful forces — like trade-centered farm bills, corporately integrated meat production, the unchallenged growth of the Farm Credit System — drive today's rural economy.

Without change, however, he sees continuing rural woe because, "We can't help rural America without understanding that the role it used to play in our nation is being undermined by powerful economic forces that nobody knows how to stop."

In fact, most ag leaders have little interest in stopping any of these "forces" even if they could. The reason is as old as they are: When commodity prices are

good, Big Ag wins big; when commodity prices are poor, Big Ag still wins, just not as big.

Twitter exploded in rage over Krugman's analysis; he was called every barnyard name there is and was urged, impolitely, not to fret — or write — about the future of rural America again.

Three days later, another Times' columnist, David Brooks, wrote a rebuttal to Krugman's dark portrait. Its premise was in its warm title, "What Rural America Has to Teach Us."

"Everybody says rural America is collapsing," began Brooks. "But I keep going to places with more moral coherence and social commitment than we have in booming urban areas. Theses visits prompt the same question: How can we spread the civic mindset they have in abundance?"

Brooks cited several examples of this "mindset" he encountered during a recent visit to McCook and Grand Island, Nebraska, where "nearly everyone is working at something," "people leave their homes and cars unlocked," and "crime is low."

The rosy portrait fueled Twitter acclaim for Brooks and, unlike Krugman, he's welcome to come back and write about rural America anytime.

Overall, however, Times readers' reactions were just the opposite. Of the 1,867 written comments the newspaper received on Krugman's column, most offered personal facts to confirm his view that rural America is now a tough place to find jobs, health care, education and, in the end, any kind of a prosperous future.

Surprisingly, many of Brooks' 1,473 commenters cited the same hard facts in

their responses. Hundreds of city-dwelling rural refugees noted that Brooks was right about rural neighborliness and civic engagement.

But, they added, he never mentioned that rural America is pockmarked with dissolving or merging school districts, shrinking medical choices and closing hospitals, few high-paying jobs and an opioid epidemic.

More fascinating to me, both a rural dweller and New York Times subscriber, is that while rural America was debating the two New York Times' opinion pieces, the Trump administration was pushing deep budget cuts to almost every federal program that rural America has grown increasingly dependent upon — like food aid, Medicare, Medicaid and crop insurance.

Indeed, on March 11, the White House proposed to slash the U.S. Department of Agriculture's 2020 budget by 15 percent. Various farm policy leaders allied to the White House immediately dismissed the proposal. Don't worry, they explained, the White House isn't serious.

Not serious? Why then waste taxpayer money writing, printing and distributing what is, essentially, a joke?

The most logical answer is that it's not a joke; the budget proposal is clear indication what the White House would do to rural programs if it had the constitutional authority to do so.

That overreach should worry rural Americans a great deal more than whether or not we leave our homes and cars unlocked.

Farm & Food File is published weekly through the U.S. and Canada.

A growing interest in ag technology



Lynn Rohrscheib

Illinois Soybean Association

Illinois farmers have led the nation in soybean production five of the last six seasons. According to the U.S. Department of Agriculture, Illinois producers raised nearly 700 million bushels of soybeans in 2018 with an average yield of 65 bushels per acre.

Favorable growing conditions played a big role, but so also has the technology and innovation our state's farmers have been willing to try.

Maximizing productivity and profitability are bedrock priorities of the Illinois Soybean Association checkoff program. But how ISA approaches those goals is changing as the world changes.

To sustainably help reach new yield and production targets, we are embracing fresh ideas that will set Illinois producers apart, evaluating new technology and connecting with innovators to expand our capabilities.

Case in point: A new strategic alliance between the ISA checkoff program and Global Ag Investing will bring the annual AgTech Nexus USA conference to Chicago this July. The event showcases innovations and investment opportunities in the ag-tech sector.

We believe that ag tech is helping to define our future. Ag tech is innovation

that seeks to introduce new biological, digital and mechanical tools, drive increased farm-level profitability, improve existing farm practices and launch new business models.

An emphasis for ISA is the support of multiple technologies that work together, for example a suite of applications that aggregate soil type, nutrient levels, moisture and weather, to provide actionable information, versus solutions that provide information in a silo, requiring producer aggregation and analysis.

Ag-tech interest is growing. More than \$1.6 billion was invested in 2018, supporting more than 200 deals.

Coastal states like California and Massachusetts topped the list for most ag-tech investments, while Illinois had just 7 percent of total investments. Clearly, with resources we have to offer here, there is great potential to draw ag-tech and venture capitalists this way.

The ISA checkoff program also is looking beyond the state's borders. We were a gold sponsor for the World Agri-Tech Innovation Summit in San Francisco last month to build relationships and raise ISA's profile among key ag-tech influencers.

The event focused on predictive agriculture, automation, robotics and biological discovery platforms and business models and partnerships to scale new technologies.

At the same time, the ISA checkoff program is exploring other ways to generate smart uses of technology and innovation at the farm level. That includes providing learning opportunities that allow Illinois

soybean producers to think outside the traditional production box.

ISA invests soybean checkoff funds in production profitability initiatives like local seminars with experts and sharing the latest information on our ILSoyAdvisor online platform and through webinars. ISA continually identifies opportunities for producers to be even more efficient.

ISA also puts resources into inventive programs to move soybeans more effectively to customers. We focus on improving logistics to get soybeans to market, including by rail, road and waterway.

And we continue to focus on expanding trade opportunities, including stepping up container shipping to open the door to new, diverse international markets for soybean exports.

ISA will continue to leverage the state's status as top soybean producer as a way to become an ag-tech destination for innovation and investment, as well as a learning landscape for producers and an opportunity to create an environment for the best transportation infrastructure.

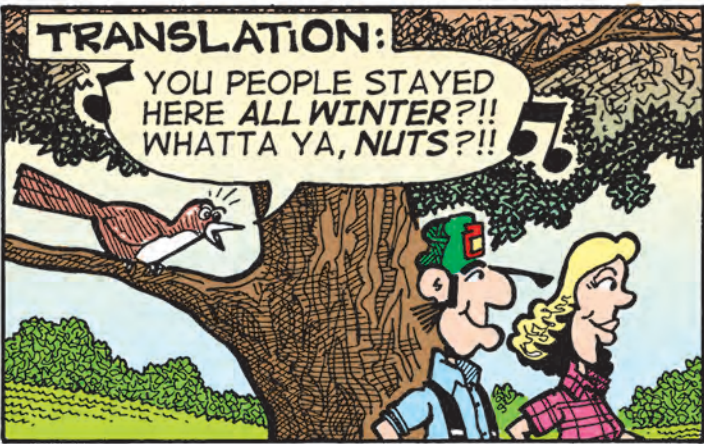
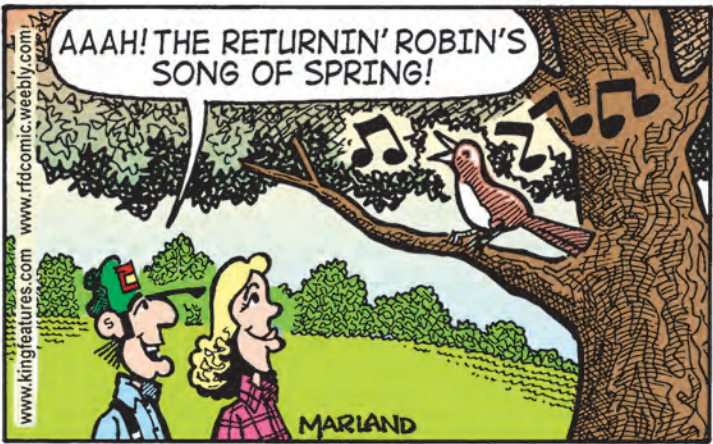
We want an ag-tech ecosystem that ensures Illinois soybean producers lead in competitiveness and profitability by solving real problems and capturing the rewards of these new technologies.

With 10.7 million soybean acres and some of the most progressive minds in agriculture, Illinois can help lead ag-tech expansion into the Midwest row crop market. Learn more at www.ilsoy.org.

Lynn Rohrscheib is chairwoman of the Illinois Soybean Association.

R.F.D.

by Mike Marland



Opinions expressed by AgriNews columnists appearing here or elsewhere in the paper are intended to provide readers a variety of views and do not necessarily represent the views of AgriNews Publications.

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We reserve the right to censor or reject and to determine what is questionable or objectionable advertising.

Business

Market data

FOR WEEK ENDING MARCH 29, 2019

Futures Prices

	This week	Last week	Chg.		This week	Last week	Chg.
CATTLE							
APR 19	125.70	129.72	-4.02	APR 19	77.37	78.32	-0.95
JUN 19	119.00	123.50	-4.50	MAY 19	81.32	87.02	-5.70
AUG 19	115.67	120.02	-4.35	JUN 19	88.55	95.67	-7.12
OCT 19	116.82	120.85	-4.03	JUL 19	92.20	98.57	-6.37
DEC 19	120.30	123.32	-3.02	AUG 19	93.05	99.50	-6.45
FEB 20	122.25	124.60	-2.35	OCT 19	80.92	88.70	-7.78

FEEDER CATTLE							
APR 19	145.25	148.80	-3.55	HOGS			
MAY 19	148.77	154.05	-5.28	APR 19	77.37	78.32	-0.95
AUG 19	156.25	159.32	-3.07	MAY 19	81.32	87.02	-5.70
SEP 19	157.72	159.95	-2.23	JUN 19	88.55	95.67	-7.12
OCT 19	158.25	159.92	-1.67	JUL 19	92.20	98.57	-6.37
NOV 19	158.02	159.62	-1.60	AUG 19	93.05	99.50	-6.45

CORN							
MAY 19	3564	3782	-218	SOYBEANS			
JUL 19	3662	3874	-212	MAY 19	8842	9036	-194
SEP 19	3750	3932	-182	JUL 19	8976	9172	-196
DEC 19	3846	4000	-154	AUG 19	9040	9232	-192
MAR 20	3970	4102	-132	SEP 19	9094	9284	-190
MAY 20	4034	4150	-116	NOV 19	9190	9374	-184

CHICAGO WHEAT							
MAY 19	4576	4660	-84	K.C. WHEAT			
JUL 19	4634	4706	-72	MAY 19	4300	4450	-150
SEP 19	4710	4794	-84	JUL 19	4376	4534	-158
DEC 19	4846	4942	-96	SEP 19	4486	4650	-164
MAR 20	4976	5080	-104	DEC 19	4696	4844	-148
MAY 20	5036	5142	-106	MAR 20	4874	5004	-130

BRENT CRUDE OIL							
JUN 19	67.58	66.75	0.83	ETHANOL			
JUL 19	67.21	66.49	0.72	APR 19	1.345	1.419	-0.074
AUG 19	66.94	66.28	0.66	MAY 19	1.354	1.428	-0.074
SEP 19	66.72	66.11	0.61	JUN 19	1.356	1.424	-0.068
OCT 19	66.51	65.96	0.55	JUL 19	1.356	1.424	-0.068
NOV 19	66.33	65.81	0.52	AUG 19	1.361	1.429	-0.068

Stocks of Agricultural Interest

	This week	Last week	52-wk high		This week	Last week	52-wk high
ADM	43.13	42.62	52.06	Deere	159.84	155.94	167.82
AGCO	69.55	67.40	69.55	DWDP	53.31	53.92	71.93
BASF	18.44	18.43	26.71	FMC	76.82	74.98	80.55
CF Ind.	40.88	39.01	56.51	Mosaic	27.31	26.85	37.37

Export Inspections

	This week	Year ago	Cumulative this year	Cumulative year ago	Cml. % diff.
WHEAT	340.398	343.77	18349.25	19500.399	-5.90
CORN	995.997	1330.442	28400.93	23123.763	22.82
SOYBEANS	857.970	710.004	28554.60	40940.759	-30.25

Livestock Summary

	This week	Last week	Year ago	% diff. week ago	% diff. year ago
Hog Slaughter-est 11000 hd	2509	2496	2376	0.52	5.60
Cattle slaughter-est 1000 hd	614	631	590	-2.69	4.07

MEAT PRICES				
	This week	Last week	Change	
Pork Cutout	80.95	77.27	3.68	
Bellies	146.55	138.21	8.34	
Loins	73.64	70.85	2.79	
Hams	68.68	67.77	0.91	
Yld Gr 3 Choice Beef	226.01	229.16	-3.15	
Select Beef	219.34	218.54	0.80	
5-Mkt Fed Cattle Live	126.34	126.98	-0.64	
5-Mkt Fed Cattle Carcass	205.60	204.03	1.57	

OKLAHOMA CITY FEEDER STEER				
	This week	Last week	Change	
	Low	Low	Low	High
4-5 Wt Mf 1'S	160.00	171.75	-11.75	-4.00
4-5 Wt Mf 1'S	145.00	142.50	2.50	2.00
6-7 Wt Mf 1'S	136.00	135.00	1.00	-5.50
7-8 Wt Mf 1'S	130.00	132.75	-2.75	-0.50
8-10 Wt Mf 1'S	123.00	127.25	-4.25	2.25

CASH HOGS, LIVE PRICE				
	This week	Last week	Change	
Dorchester, Wisconsin	47.00	45.00	2.00	
Interior Illinois	55.00	38.00	17.00	

Eastern Corn Belt Direct Feeder Cattle

Illinois, Indiana, Michigan, Minnesota, Kentucky and Ohio Reported sales this week, 2,370; last week, 2,322; last year, 2,043 Compared to last week: Feeder steers and heifers were too lightly tested on FOB Basis for an accurate market trend. Demand moderate to good. Supply included 100 percent over 600 lbs; 62 percent heifers. Prices based on net weights FOB after a 3 percent shrink or equivalent and 5-10 cent slide on calves and 4-6 cent slide on yearlings from base weights.

Feeder Steers Medium and Large 1						
Head	Wt Range	Avg Wt	Price Range	Avg Price	Delivery	
65	750	750	139.00	139.00	Current FOB	
60	800	800	136.00	136.00	Current FOB	
65	750	750	143.00	143.00	May FOB	
180	825	825	138.00	138.00	Jun FOB	
320	900	900	136.50	136.50	Current Del	

Feeder Steers Medium and Large 1-2						
60	790	790	133.00	133.00	Current FOB	
160	800	800	139.00	139.00	Current Del	

Feeder Heifers Medium and Large 1						
130	750	750	128.00	128.00	Current FOB	
535	725	725	130.00	130.00	Apr FOB	
470	725	725	133.00-135.55	133.73	Jun FOB	
325	750	750	133.00	133.00	Jun FOB	

USDA National Grain Market Review

Compared to last week, cash bids for wheat, corn, sorghum and soybeans were mostly lower. Ethanol production for week ending March 22 totaled 0.975 million barrels per day, a decrease compared to the week prior. Wheat was 61 1/4 cents lower to 1 cent higher. Corn was 10 cents lower to 2 3/4 cents higher. Sorghum was 3 to 4 cents lower. Soybeans were 18 to 24 cents lower.

CORN **Kansas City** US No 2 rail White Corn was 2 3/4 cents lower to 1 1/2 cents higher from 3.87-3.89 3/4 per bushel. **Kansas City** US No 2 truck Yellow Corn was 2 1/4 cents lower to 2 3/4 cents higher from 3.69-3.77 per bushel. **Omaha** US No 2 Yellow Corn was 2 to 10 cents lower at 3.64 per bushel. **Chicago** US No 2 Yellow Corn was 2 1/4 to 5 1/4 cents lower from 3.64-3.78 per bushel. **Toledo** US No 2 rail Yellow corn was 1 1/4 cents lower from 3.63-3.67 per bushel.

OILSEEDS **Minneapolis** Yellow truck soybeans were has no comparison at 8.19 1/2 per bushel. **Illinois** Processors US No 1 Yellow truck soybeans were 21 to 24 cents lower from 8.51 1/2-8.66 1/2 per bushel. **Kansas City** US No 2 Yellow truck soybeans were 18 to 21 cents

lower from 8.39 1/2-8.62 1/2 per bushel. **Illinois** 48 percent soybean meal, processor rail bid was 7.80 to 8.80 lower from 301.50-308.50 per bushel. **Central Illinois** Crude Soybean oil processor bid was 0.22 to 0.47 points lower from 27.88-28.13 per cwt. **WHEAT** **Kansas City** US No 1 Hard Red Winter, ordinary protein rail bid was 46 1/4 cents lower from 5.60 3/4-5.75 3/4 per bushel. **St. Louis** truck US No 2 Soft Red Winter terminal bid was 2 cents lower to 1 cent higher from 4.92-4.95 per bushel. **Minneapolis** and **Duluth** US No 1 Dark Northern Spring, 14.0 to 14.5 percent protein rail, was 61 1/4 cents lower at 6.9 per bushel. **Portland** US Soft White wheat rail was steady from 5.90-6.30 per bushel.

SORGHUM US No 2 yellow truck, **Kansas City** was 4 cents lower from 6.05-6.14 per cwt. **Texas** High Plains US No 2 yellow sorghum (prices paid or bid to the farmer, fob elevator) was 3 to 4 cents lower from 6.07-6.77 per cwt.

OATS US 2 or Better oats, rail bid to arrive at **Minneapolis** 20 day was 11 to 21 cents lower from 2.94 3/4-3.29 3/4 per bushel.

Ag reports impact marketplace



Commodity Insight

Jerry Welch

Each week, a number of reports are released by various governmental agencies or private groups that can excite or depress a market. Of course, not all reports are so influential. Some reports simply offer hints about what the future may bring. Let's look at a few of last week's reports that I found most interesting. The Commerce Department released a report early in the week that showed the construction of new homes, known as housing starts, fell almost 9 percent in February, well below year-ago levels.

The data suggest strongly that a broad slowdown in the housing market is underway. Needless to say, such news is bearish for the economy. On the same day as the housing starts data hit the wires, a report from the S&P CoreLogic Case-Shiller 20-City Home Price Index showed a seasonally adjusted rise of 0.1 percent in January compared to December. And though the price gains were 3.6 percent higher than year-ago gains, it was still the slowest pace of annual growth since 2012. Most economists were expecting a 4.2 percent annual gain. The data in the two reports hint of economic weakness, no doubt. But the data also hint — and loudly, I might add — that the housing market is tipping in favor of buyers. It should also be remembered that the Federal Reserve a few weeks ago announced that there

would be no more rate hikes in 2019 and only one in 2020. Again, such data tilt the housing market in favor of the buyers, not the sellers. Late this week, the U.S. Department of Agriculture announced the results of a Pig Crop Report, or “snout count,” with the data coming out perfectly as expected. The data showed the U.S. hog herd as the largest in history, with the sow herd as the second largest in history. It also showed hog producers moving forward with herd expansion. Because the numbers were “as expected,” the report was viewed as neutral.

However, since the report was compiled, cash hog prices increased by 50 percent due to the news coming out of China regarding swine fever. It is estimated by several well-connected sources that China has lost 20 percent of its hog herd to the disease. With the Chinese hog herd pegged at 400 million head, a 20 percent decline means a loss of 80 million head. To grasp those figures, consider this: The total U.S. hog herd is estimated to be less than 80 million head. The rise with cash hog prices hints loudly that U.S. producers will continue to expand their herds. With feed costs holding steady and the price of their product — hogs — rising 50 percent, there is no reason for the U.S. hog herd to do anything other than expand in the months ahead. There is plenty of pork around. But regardless of this week's Pig Crop Report, the fate of hog prices rests with China and if and when it signs a trade deal with the United States. China has promised to buy \$50 billion worth of U.S. ag products a year for six years.

On China's shopping list is pork, corn, wheat and soybeans, to mention just a few. Yes, the United States may have more than enough pork, corn, wheat and soybeans to satisfy domestic needs, but any excess may end up in China. The final report of the week — and from a historical standpoint can spark volatile price moves — was the March Grain Stocks and New Crop Acreage from the USDA. This year's report turned out to be a bearish surprise and grain prices did a nosedive. At settlement, soybeans were down 5 cents a bushel, wheat prices slipped nearly 8 cents and corn prices hit the tank to the tune of 17 cents a bushel. Oats, on the other hand, kept the game honest with a gain of 4 cents. The grain report showed the United States and the world has ample supplies of soybeans and, in a major surprise, ample supplies of corn, as well.

The news regarding soybeans was not a big shock, but for corn, the USDA showed ending stocks down only 287 million with the average trade guess looking for a 600 million bushel decline. Wheat stocks were more than expected, as well. The only bright spot in the grain report was U.S. spring wheat seeding came in at 12.8 million acres and below expectations. And total wheat seedings for 2019 were estimated to be just under 46 million acres, the lowest in 109 years — yes, years. Clearly, there is nothing bearish about that sort of data. Each week, there are numerous reports released that can impact the marketplace. But moving forward, what is needed to help the U.S. ag markets is for a trade “deal” to be struck with China sooner than later.

Budget proposal reduces outlays for agriculture

The 2020 fiscal year budget that President Donald Trump sent to Congress cut spending for the U.S. Department of Agriculture by 15 percent. While this proposed budget may be dead on arrival, with Congress likely to ignore it as they have done with the last two budget proposals, it suggests a lack of concern about the financial crisis that is slowly — or not so slowly for those on the financial edge — enveloping U.S. agriculture. There may be a slight uptick in net farm income this year, but the long-term trend is clearly downward, and we see little in the Trump administration's proposal that will turn things around.

While talking about maintaining a strong safety net for farmers, the proposed budget calls for reducing “the average premium subsidy for crop insurance from 62 percent to 48 percent and limit commodity, conservation and crop insurance subsidies to those producers (who) have an Adjusted Gross Income of \$500,000 or less.” In the present economic climate on U.S. farms, the \$500,000 limit on AGI will not impact a large number of farmers, but the reduced insurance premium subsidy, if enacted, would inflict serious economic harm on most farm budgets. The expected savings from reducing crop insurance subsidies is \$2.253 billion in the 2021 fiscal year. Limiting crop insurance eligibility to \$500,000 AGI will save another \$62 million; limiting eligibility for agricultural commodity program payments to \$500,000 AGI will save \$117 million.



Ag Policy

Harwood D. Schaffer & Daryll E. Ray

While we argue that crop insurance is not an effective counter-cyclical farm income program, any farmer who must borrow crop input expenses from their local bank knows that their banker will not give them any money if the crop is not insured. The result is that any cut in the crop insurance subsidy is a direct increase in the cost of production for the insured crops. Now is not the time to enact USDA budgets that will increase the cost of production for agricultural crops. Another way the administration would like to reduce the funding of USDA is to establish or increase user fees for the Food Safety and Inspection Service, the Animal and Plant Health Inspection Service, the Packers and Stockyards Program and the Agricultural Marketing Service. In 2021, the estimated user fees from these services is expected to total \$727 million. If those fees are increased, who is ultimately going to end up paying those costs: The packers and

processors, consumers, or farmers? Our guess is that it will probably end up coming out of the pocket of producers by way of lower prices for their animals and commodities. The budget does not take into consideration the longer-term impact of the trade dispute and the disruption of agricultural trade relationships. It took years to build the relationships that supported the affected trade in agricultural products, and the disruption will not end with the announcement of a new agreement. The impact will most likely affect U.S. farm exports for years to come. All of these and other reductions are coming during a period of reduced farm income, the very time when adequate farm programs are most needed by farmers. At the same time, the administration seems determined to pit farmers against the recipients of nutrition programs administered by the USDA. The expected savings from new Supplemental Nutrition Assistance Program requirements is \$17.4 billion. The 2020 fiscal year budget also cuts an average of \$8.5 billion a year from Medicare. With nearly one-third of principal farm operators aged 65 and older, cuts to Medicare also affect farmers and other rural residents who are participants in this critical healthcare program. We hope that once again, Congress will see through the proposed budget and enact one that better serves the needs of producers and consumers alike.

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MillerCoors sues Anheuser-Busch over corn syrup ads

By Ivan Moreno ASSOCIATED PRESS

MILWAUKEE (AP) — A fight between beer giants escalated March 21 after MillerCoors filed a lawsuit against Anheuser-Busch that accused its rival of trying to “frighten” consumers into switching to Bud Light with “misleading” Super Bowl ads. MillerCoors said in the lawsuit filed in Wisconsin federal court that St. Louis-based Anheuser-Busch has spent as much as \$30 million on a “false and misleading” campaign, including \$13 million in its first commercials during this year's Super Bowl. The ad showed a medieval caravan pushing a huge barrel of corn syrup to castles for MillerCoors to make Miller Lite and Coors Light. The commercial states that Bud

Light isn't brewed with corn syrup. Chicago-based MillerCoors and Anheuser-Busch have the biggest U.S. market share at 24.8 percent and 41.6 percent, respectively, but they've been losing business in recent years to smaller independent brewers, imports and wine and spirits, according to the Brewers Association. Anheuser-Busch's ad drew a rebuke from the National Corn Growers Association, which thanked MillerCoors for its support. In its lawsuit, MillerCoors said it's “not ashamed of its use of corn syrup as a fermentation aid.” Corn syrup is used by several brewers during fermentation. During that process, corn syrup is broken down and consumed by yeast so none of it remains in the final product. Bud Light is brewed with rice instead of corn syrup, but Anheuser-

Busch uses corn syrup in some of its other beers, including Stella Artois Cidre and Busch Light. Responding to the lawsuit, Anheuser-Busch said its campaign is truthful and designed to bring consumers “transparency” about what's in the beer they drink. “MillerCoors' lawsuit is baseless and will not deter Bud Light from providing consumers with the transparency they demand,” said Gemma Hart, the vice president of communications at Anheuser-Busch. “We stand behind the Bud Light transparency campaign and have no plans to change the advertising.” MillerCoors maintains Anheuser-Busch is preying on health conscious consumers who have negative connotations of corn syrup, sometimes confusing it with the high-fructose corn syrup in sodas.

Illinois agriculture director focusing on rural development

MATTOON, Ill. (AP) — Illinois' new agriculture director said rural economic development and increasing broadband access are among his top priorities. Illinois Department of Agriculture Director John Sullivan spoke March 18 to Rotary Club members in Mattoon. The farmer and for-

mer Democratic state senator from Rushville has had the position for about two months. He was appointed by Gov. JB Pritzker. The Mattoon Journal-Gazette reported that Sullivan said he will advocate for the new state budget to include money to help improve rural broadband service, which

he called “spotty at best.” He said money also is needed for “river, road and rail” improvements to help farmers move their crops to processors. Sullivan also focused on creating jobs. He said he believes “agriculture is where the future is in regard to job creation.”



JD 7200 Planter, 16R-30", Ser#7200D500075 **\$3,900**



Ford 8730 MFD Tractor, 3600 hours, (2) owners..... **\$29,900**



Kinze Twin Line Planter, 8R, 8 Kinze Pusher Units, 8 JD Rear Units, Kinze Meters, JD No-Tills, Will Separate For Parts **\$4,600**



Willbeck Offset Disk, Model 1628, 12', Nice **\$4,500**



JD 750 Grain Drill, 1998 Model, 20', 7 1/2" Sp., Monitor, Rear Fill Auger, Ser#026046, Very Nice .. **\$16,900**



Case IH MXM175 - 5383 hours. 4 hydraulics. Small 1000 pto. 14.9x46 tires **\$36,000**



AC 9150 Tractor, 3700 Hours, Duals, Weights..... **\$15,900**



John Deere 4640 - Powershift. Hours unknown..... **\$9,900**



1979 IH 1486 Tractor, 4695 HRS, Wts., Dual Hyd & PTO, Ser#650141421175 **\$14,900**



JD 4630, 1976, 6900 HRS, Power Shift, Duals, Weights..... **\$14,900**



Versatile 280 - 1000 hours. 4 hydraulics. Duals **\$89,000**



C-IH 496 Disk, 24', 7 1/2" Spacings, 19" Blades, 3-Bar Harrow **\$7,900**



Kubota KH61 Mini Excavator, 1949 hours **\$10,900**



Hancock Earth Mover - Serial #R29645717, 540 PTO, 4-Yard. **\$3,900**



Landoll - (Brillion) Optimizer Crumbler - 16', Like New... **\$5,400**



JD 590D Excavator W/Thumb, Good Unit..... **\$24,900**



AC 7000 - Power shift. 60 hours on overhaul. Last year built. ... **\$10,900**



JD 7200 Planter, 12R-30", Liquid Fert, No-Tills, Vac, Flex Frame, Ser#7200C400106 **\$5,300**



C-IH Tigermate II Field Cultivator, Ser #JFH0015040, 36', New Shovels, Rear Hitch, No Harrow, One Weld **\$6,900**



MF 245 Tractor, 1950 HRS, Gas, 1-Owner..... **\$4,950**



JD 750 Grain Drill, 15', New Blades & Gauge Wheels **\$14,900**



JD 893 Corn Head, 8R-30", Knife Rolls, Hyd. Deck Plates, Ser #H00893X675790..... **\$8,900**



Great Plains Grain Drill, 15', No-Tills **\$4,400**



John Deere 2355 - Diesel, Single hyd. 13.6x38 tires. New Paint + seat. Runs good. S/N L02355G606467 **\$6,500**



IH 700 Auto Reset Pull Plow, 6 bottom..... **\$2,900**



JD 724 Soil Finisher, 30', 3-Bar Harrow W/Rolling Basket.. **\$6,900**



Willmar 6400 Sprayer, 1470 HRS, 60' Booms, Air Ride, Microtech Controller **\$16,900**



C-IH 1200 Planter, 12R-30", Liquid Fertilizer, Ser#CBJ0001705 **\$17,500**



JD 1560 Grain Drill, 20', W/Markers..... **\$24,900**



JD 4755, Ser #RW4755P003940, 9000 Hours, Front & Rear Weights, Runs Good **\$26,900**



Case IH 5300 Drill - 21x7. Press wheels. S/N CKB0029145 **\$3,400**



JD 575 Skid Steer, Hours 2377, Dsl., Like New Tires..... **\$7,900**



JD 200 Earth Mover, Some Welds **\$3,900**



White 6180 Planter, 12R-30", Ser#608731 **\$4,900**



Rogator 854, 3800 HRS, 90' Booms, Guidance System, 2-Owners, Ser#850416101, Very Sharp. **\$49,000**



JD 3020 Tractor W/148 Loader, 2158 HRS, Gas, Dual Hyd, 18.4-38 Tires, Nice..... **\$7,900**



DMI 4200 Applicator For Strip Till, 12-SHK, Markers..... **\$2,900**



C-IH 4300 Field Cult., 27', 3-Bar Tine Harrow, Can Reduce To 24', Very Nice **\$6,900**



John Deere 5020 Rowcrop - 3pt. Dual hyd. 5563 hours. 18.4x38 tires. S/N T313R023347R **\$8,900**



JD 4710 Compact Tractor, 3595 Hours, Dsl, 4x4, Hydro, Single Hyd, Quick Tach Loader, Ser#LV4710H370602 .. **\$13,900**



Stainless Steel Tank, 1200 Gallon **\$3,500**



Red Ball Sprayer, 1200 Gallon, 90' Booms, 46" Tires..... **\$6,700**



KSI Belt Veyor, 35' **\$6,000**



2015 Bobcat T550 Skid Steer, 460 HRS, One Owner **\$39,900**



Harrow, 5-Bar, 30' **\$1,500**



John Deere 323E - Like New tracks. S/N 1T0323EJLFJ276505 **\$21,500**



New Idea 3632 Tandem Axle Spreader, double beater .. **\$5,900**



JD Planter Units For 7000 & 7200 **\$175 & \$300 EACH**



Glencoe Soil Saver, 5-SHK, New Paint, New Points & Hoses, 19" Blades..... **\$3,400**



White 2-105 Tractor - 5233 Hours, 2 WD, 105 HP, Dual Hyd., Cab, Heat & Air, 16.9-38 Tires, Bush Hog 2846 QT Loader, Like New, One Family Tractor ... **\$12,900**

John Deere 2640, w/Ldr. Dsl..... **\$7,900**
 John Deere 714 soil saver 9 shank. Hyd front gang. New blades. New points. Walking tandem .. **\$7,500**
 John Deere 7100 - 15 row 16" **\$3,900**
 IH 700 - 7 bottom 18" pull plow **\$3,300**
 John Deere 920 Grain Head - 20'. S/N 656373 **\$3,200**
 Degelman Rock Picker - Model R570S. S/N 17572 **\$3,400**
 New Holland 73C Grain Head, 20', off low hour machine..... **\$8,900**
 IH 720 - 6 bottom. 16". Auto reset..... **\$1,300**

Glencoe Vertical Till - 14.5'. New blades. New paint **\$12,900**
 Cat 257B Skidsteer - 2500 hours. Cab. Air. S/N CAT0257BTSCLK05248 **\$19,500**
 KSI 1208 - 32'. 8" conveyor **\$6,000**
 Titan 4 Horse Slant Trailer - Living quarters. Tack room. 2004 model..... **\$7,900**
 M&W Gear-16.1x16.5 tires **\$1,200**
 Meyers Silage Wagons-16' boxes on tandem gears **\$2,200 EA**
 JD 714 Soil Saver-11 shank, hydraulic front discs, (2) welds on frame..... **\$3,900**
 C-IH 60 Chopper-15", 1000 PTO, good knives **\$2,900**

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AGRINEWS AGRICULTURAL FORECAST

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SUNRISE/SUNSET

Springfield		
Date	Rise	Set
April 5	6:37 a.m.	7:26 p.m.
April 6	6:35 a.m.	7:27 p.m.
April 7	6:34 a.m.	7:28 p.m.
April 8	6:32 a.m.	7:29 p.m.
April 9	6:31 a.m.	7:30 p.m.
April 10	6:29 a.m.	7:31 p.m.
April 11	6:28 a.m.	7:32 p.m.

MOON PHASES

New	First	Full	Last
Apr 5	Apr 12	Apr 19	Apr 26

GROWING DEGREE DAYS

Illinois	
Week ending April 1	12
Month through April 1	21
Season through April 1	21
Normal month to date	0
Normal season to date	0
Indiana	
Week ending April 1	7
Month through April 1	19
Season through April 1	19
Normal month to date	0
Normal season to date	0

ILLINOIS INSURANCE HOTLINE

Steps to take if neighbor’s tree falls on your car during a storm

The neighbor’s tree fell on my vehicle in a storm. Will his insurance pay for my car?

Your neighbor does not owe for damage to your vehicle unless you can prove he was negligent. A storm is an “Act of God” beyond anyone’s control. An individual is not responsible for another person’s damage when a healthy tree falls or drops limbs.

Instead, make a claim through your auto insurance policy if you have comprehensive (also called other than collision) on the damaged car. The insurance company will assign an adjuster to verify coverage, investigate how the loss happened, assess damages, and prepare a settlement offer. Your car could be a total loss if repairs are close to or more than the vehicle’s depreciated value. The insurance company is responsible for tax, title and transfer fees up to the value of the totaled car if you get a replacement vehicle within 30 days.

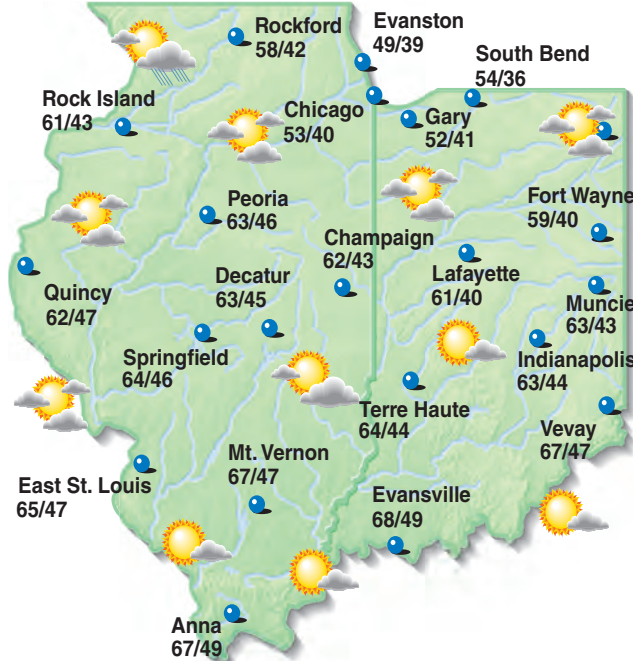
Take these steps if a tree falls on your car:

- Report damage to your auto insurance agent or company representative as soon as possible if you have comprehensive coverage.
- Take pictures of the damaged vehicle.
- Remove the tree limb from your car.
- Confirm the comprehensive deductible.
- Prepare for the claim procedure. Your cooperation speeds the process.

Parking outside exposes your vehicle to damage from fallen tree limbs, vandalism, hail, theft and more. Be aware of

REGIONAL WEATHER

Shown is Friday’s weather. Temperatures are Friday’s highs and Friday night’s lows.



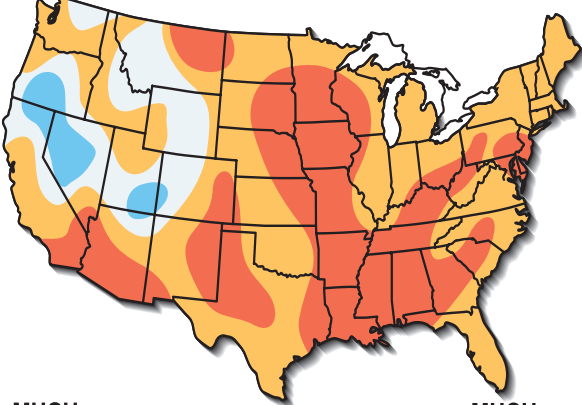
For 24-hour weather updates, check out www.agrnews-pubs.com

	Today	Tom.	Sun.		Today	Tom.	Sun.
Illinois	Hi/Lo/W	Hi/Lo/W	Hi/Lo/W	Indiana	Hi/Lo/W	Hi/Lo/W	Hi/Lo/W
Champaign	62/43/c	67/51/pc	73/57/pc	Bloomington	65/44/c	69/50/s	74/57/c
Chicago	53/40/pc	60/48/pc	66/53/c	Carmel	61/43/c	67/48/pc	69/54/pc
Decatur	63/45/c	68/52/pc	73/58/c	Evansville	68/49/c	72/54/pc	75/60/c
E. St. Louis	65/47/c	73/53/pc	78/56/pc	Fishers	62/42/c	67/49/c	69/53/c
Evanston	49/39/pc	60/48/pc	69/51/pc	Fort Wayne	59/40/c	64/47/pc	70/53/c
Joliet	58/39/c	67/47/pc	73/51/c	Gary	52/41/pc	61/49/pc	67/54/pc
Mt. Vernon	67/47/c	72/52/pc	74/57/c	Lafayette	61/40/c	66/48/s	72/56/pc
Peoria	63/46/c	69/52/pc	73/57/c	Indianapolis	63/44/c	67/51/pc	72/58/c
Quincy	62/47/pc	70/55/pc	72/57/sh	Muncie	63/43/c	67/50/pc	73/57/pc
Rockford	58/42/c	66/49/pc	71/48/c	South Bend	54/36/c	63/45/s	68/53/pc
Rock Island	61/43/c	70/51/pc	72/50/sh	Terre Haute	64/44/c	68/51/s	73/58/pc
Springfield	64/46/c	70/53/pc	74/57/pc	Vevay	67/47/sh	70/48/s	72/55/c

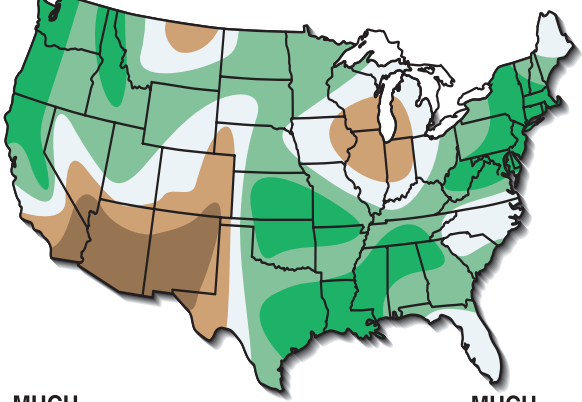
Weather (W): s—sunny, pc—partly cloudy, c—cloudy, sh—showers, t—thunderstorms, r—rain, sf—snow flurries, sn—snow, i—ice

Outlook for April 5 - April 11

TEMPERATURES



PRECIPITATION



AGRICULTURE FORECASTS

Northern Illinois: Friday: mostly cloudy. Winds north-northeast 4-8 mph. Expect two to four hours of sunshine with fair-drying conditions and average relative humidity 65%. Saturday: partly sunny; pleasant in the south.

Central Illinois: Friday: mainly cloudy. Winds north-northeast 6-12 mph. Expect less than two hours of sunshine with fair-drying conditions and average relative humidity 70%. Saturday: some sun. Winds southeast 6-12 mph.

Southern Illinois: Friday: mostly cloudy; a brief shower in the morning to the east. Winds light and variable. Expect less than two hours of sunshine with poor-drying conditions and average relative humidity 70 percent.

Northern Indiana: Friday: mostly cloudy; a few showers during the morning in the east. Winds north-northwest 4-8 mph. Expect two to four hours of sunshine with poor-drying conditions and average relative humidity 75 percent.

Central Indiana: Friday: mostly cloudy; a morning shower in the morning in the east. Winds north-northwest 4-8 mph. Expect less than two hours of sunshine with poor-drying conditions and average relative humidity 70%. Saturday: partly sunny.

Southern Indiana: Friday: mostly cloudy. A couple of showers; during the morning in the south, any time in the west, and dry in the north. Winds west 4-8 mph. Expect two to four hours of sunshine with poor-drying conditions.

SOUTH AMERICA

Largely dry across the Pampas of Argentina to RGS and SC in Brazil into next week. Scattered rain is expected from Parana on northward Friday into the weekend.

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