



FARM PROGRESS SHOW[®] 2022

AUG. 30 – SEPT. 1, 2022
BOONE, IOWA



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Official Program

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Welcome to the 2022 Farm Progress Show



BY JENNIFER CARRICO
@JENNCATLEGAL



I ATTENDED MY first Farm Progress Show more than 30 years ago at the Amana Colonies. Now for 2022, I will be attending the show as Wallace's Farmer's

editor. A lot has changed over the years.

The annual event has made its way back to the semipermanent site east of Boone in central Iowa after being canceled in 2020 due to the pandemic and being held in 2021 in Decatur, Ill.

The Farm Progress Show has been the nation's leading and largest outdoor farm show since it was first held in 1953. The tradition continues for 2022, featuring new technology, equipment and farm management practices to make America's farmers more efficient.

This year's show will be held Aug. 30 to Sept. 1 and is the seventh time the show will be held at this site, also known as the Central Iowa Expo site. The grounds are host to other events and activities throughout the year when the Farm Progress Show is not being held.

Look for those of us donning the Farm Progress polos and stop us to say hello or visit the Wallace's Farmer Hospitality Tent on the exhibit field. We always want

to hear from our readers about what is important on your operation.

The central Iowa location is close to major highways and a variety of hotels and restaurants. Iowa State University is just a few miles away in Ames. My alma mater is a leader in education and research important to agriculturists around the world. The show and its host publication, Wallace's Farmer, have a long-standing relationship with ISU.

By holding the show at the same location for several years to come, we are able to feature upgraded improvements to the site. Buildings and long-term facilities provide visitors and exhibitors with a more productive experience.

Be sure to walk over to the Varied Industries Tent this year, which sets on asphalt made from recycled road and a soybean byproduct. Sustainability is very important to farmers across the country, and the show is committed to that same mission to recycle, reuse and reduce waste.

In addition to the exhibit area, the show has 325 acres for field demonstrations and test-drive areas, plus an additional 175 acres for parking and camping. And don't forget the first-ever concert at the Boone site. Lee Brice will perform on the second day of the event. Visit us in Boone, Aug. 30 to Sept. 1, and enjoy the show.

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**FARM
PROGRESS
SHOW 2022**



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to register today!**



ZIEL FAMILY: Eric and Carol Ziel farm in Boone, Story and Polk counties, and enjoy a collection of antique farm equipment.



FARMERS AT WORK: Don, Scott and Kevin Uthe farm a large portion of the ground where the harvest demonstrations happen during the Farm Progress Show.

Legacy important to show's host families, farmers

BY JENNIFER CARRICO
@JENNCATTLEGAL

FAMILIES AND FARMERS make the Farm Progress Show possible each year. The host families, including the Ziels, the Isaacsons and the Schoffs own the land used for parking and field demonstrations around the permanent biennial site near Boone, Iowa.

For 10 years, Don Uthe has been farming a large portion of the ground around the show. Farming is nothing new to Uthe as he started right out of high school and has grown his operation and business to now include his sons, Scott and Kevin.

“Farming has been in our family since the early 1900s, and it just becomes part of your life and your lifestyle,” he says.

Uthe added an agricultural inputs business to include the selling of seed, fertilizer and fuels to other farmers, which also can help his own operation.

Farming near the Ames city limits has been more of a challenge recently with growth of the city. The farm where Uthe lives is where his mother grew up, so it holds a special place for them. Corn and soybeans are the norm on his farm and the other farms he cares for, such as the one on the Farm Progress Show site.

“I’ve been helping farm the ground around the show since 2012 and started custom-farming it in 2019 since I lived closer and could get my equipment there easier,” Uthe says.

He also enjoys being able to visit the show to learn more about the newest and best technologies, equipment and genetics. This year’s crop was planted later than usual due to cold, wet spring conditions. A shorter-season hybrid is used in hopes of the maturity being correct for the harvest demonstrations.

“This experience has helped us learn more about short-season corn and how to manage it,” Uthe says. “We know it will be harvested the end of August or first of September, and can expect the need for extra drying once it gets in the bin. The corn not used in the demonstrations

can be left for further maturing and more prime harvest conditions.”

LEGACY

June Isaacson turned 95 years old in late June. She has been a proponent of the Farm Progress Show since it began on the Boone site in 2008. In her years, she has seen farming change tremendously. She’s amazed by the continual new technology and products exhibitors bring to the show.

Isaacson and her late husband, Warren, were dairy farmers and milked cows for 27 years. She’s lived on the farm for 75 years. The family farm is east of the exhibit area, and Isaacson lives on the farm, which has been in the family since the late 1930s.

The Farm Progress Show is thankful for the legacy of the landowners and the hard work of all who farm the ground around the site. For more information, visit FarmProgressShow.com.

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ISAACSON FAMILY: Posing for a family shot are (back row from left) Ben (holding Libby), April, Dick, Judy and Andy. In the front row are Ella (left), Brennan, June and Westin.

LET US HELP YOU PLAN FOR 2023!

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Farm Progress | August 30th - September 1st



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Make your way to Boone, Iowa

IN THE EARLY-MORNING hours before the gates open on Aug. 30 for the 2022 Farm Progress Show, drivers will be heading for the Central Iowa Expo site near

Boone, Iowa. Since the show opened on this site in 2008, traffic refinements have been made.

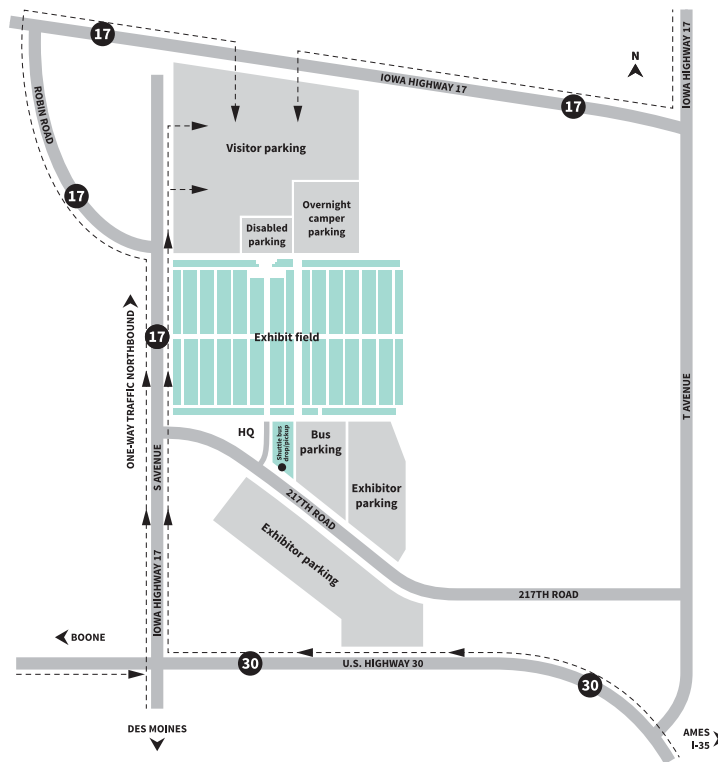
Since it's been four years since the show was held in Boone,

Overnight parking info

RV and camper parking are available at the Farm Progress Show north of the showgrounds in an alfalfa parking lot.

There is no fee to park, and no facilities are provided. The grounds are open for camper and RV parking after noon Aug. 29. To access the overnight parking lot, follow the regular traffic signs for visitor parking.

On show days, you can follow the regular visitor routing, and parking staff will move you to the correct lot after show hours for overnight parking.



familiarizing yourself with the directions is recommended.

Improvements are being made to Highway 17 — the road from Highway 30 that goes north

into the showgrounds. A major upgrade to Highway 17 includes adding a third lane into the show site. This extra lane is going to make your trip to the show easier.

But as you travel to the show, watch for any directions given by local law enforcement. There might be contingencies for managing traffic to speed you in and out of the show.

USE THESE DIRECTIONS

Mark down these directions to the site:

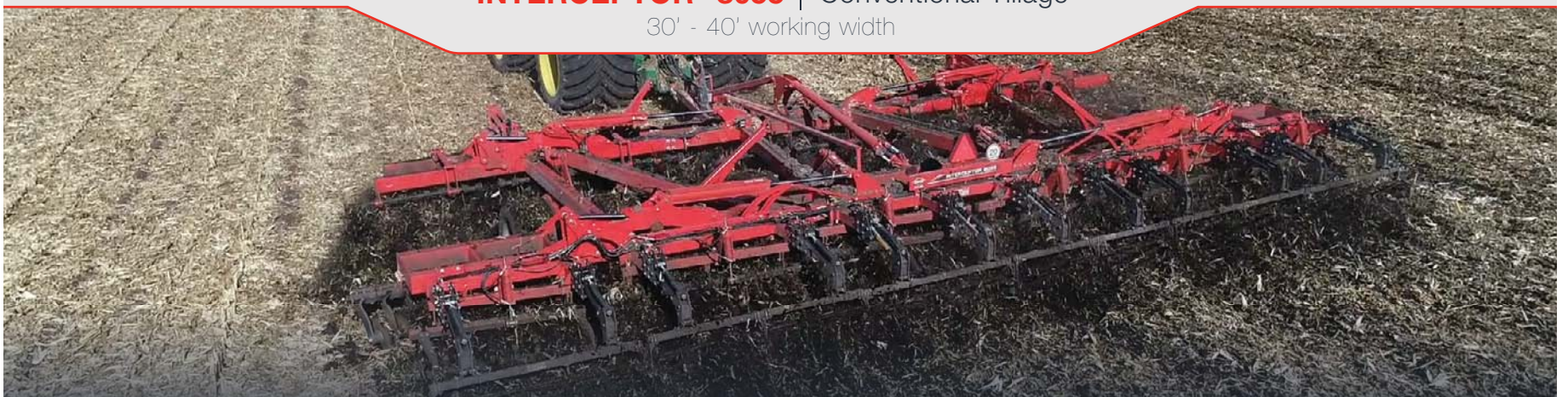
From the north. Take Interstate 35 south to Exit 111. Take Highway 30 west to Highway 17. Locally, take Highway 17 south to the show site.

From the west. Take Interstate 80 east to I-35. Take I-35 north to Exit 111. Take Highway 30 west to Highway 17. Take Highway 17 north.

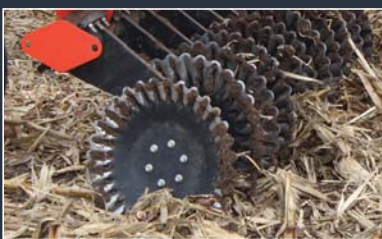
From the south. Take I-35 north to Exit 111. Take Highway 30 west to Highway 17.

From the east. Take I-80 west to I-35. Take I-35 north to Exit 111. Take Highway 30 west to Highway 17. Locally, take Highway 30 west to Highway 17.

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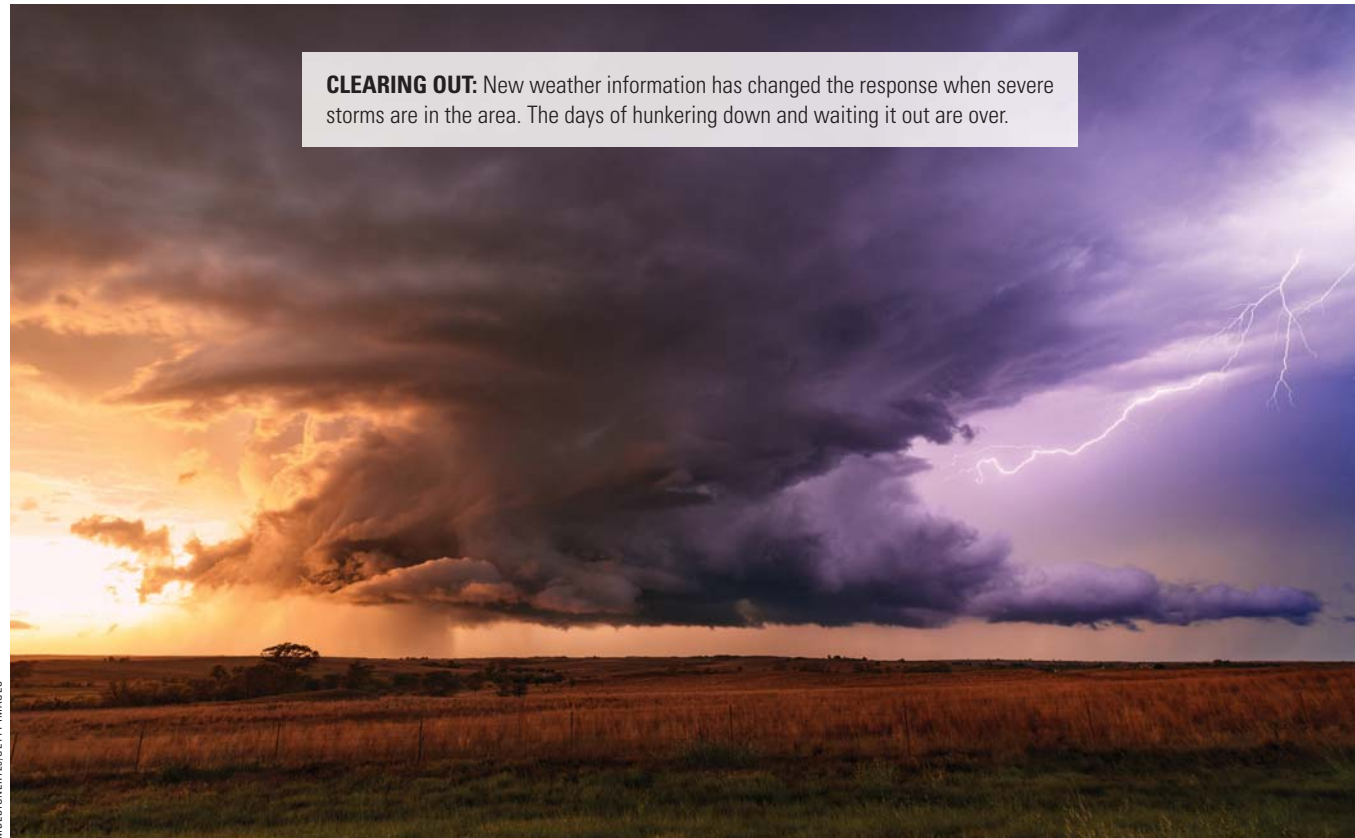


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Outdoor events and severe weather don't mix



CLEARING OUT: New weather information has changed the response when severe storms are in the area. The days of hunkering down and waiting it out are over.

FARM PROGRESS SHOW TEAM
@FPSHOW

THERE WAS A time when the Farm Progress Show team waited out storms at outdoor events. The idea was to stay put on the site and let the storm blow over. Those days are long gone.

The power of lightning to reach out from great distances is a constant fear for any outdoor show. To understand the nature of storms and create a safer space for visitors, show staff have all taken special training.

Matt Jungmann, events director; Rick Wild, operations manager; and Dena Morgan, events marketing, trained with experts from the National Oceanic and Atmospheric Administration and the National Weather Service.

The agencies conduct a two-day seminar that provides information designed to aid event, sports and venue professionals in preparing for and responding to dangerous weather conditions.

This training program looks at the

Severe weather action plan

Forecasted threat	Alert method	Farm Progress Show staff	Exhibitors	Vendors	Parking and admission	Field demos	Info booths	Guests	Guests on-site via shuttle
All clear	None	All is well — normal activities							
Rainstorms	Radio alert	Be prepared to chip any slip hazards and push cars	No change	Landscapers prepare to chip any slip hazards	Alert show staff if cars need help or are stuck	Continue until not agronomically advisable	No change	No change	No change
Lightning within 15 miles	Radio alert	Be alert	No change	No change	Be alert	Monitor and be prepared to stop	Be alert	No change	No change
Winds greater than 25 mph	Radio alert	Be alert	No change	Prepare to close tents	Be alert	Continue if safe to do so, be alert	Be alert	No change	No change
Lightning within 10 miles	Radio alert, VOG (Voice of God)	Prepare to close grounds	Prepare to close exhibits	Close tents	Prepare to retreat to vehicles or CITEC*	End demonstrations	Prepare to retreat to vehicles or CITEC	Prepare to retreat to vehicles	Prepare to retreat to CITEC
Winds greater than 30 mph	Radio alert, VOG (Voice of God)	Prepare to close grounds	Prepare to close exhibits	Close tents	Prepare to retreat to vehicles or CITEC	Continue if safe to do so, be alert	Prepare to retreat to vehicles or CITEC	Prepare to retreat to vehicles	Prepare to retreat to CITEC
Lightning within 8 miles	Radio alert, VOG, exhibitor email, exhibitor text, social media, mass media	Drive grounds telling people of the hazard until you're called to the office	Close exhibits and retreat to vehicles or CITEC or other hard structures	Retreat to vehicles or CITEC	Retreat to vehicles or CITEC	Retreat to vehicles or CITEC	Retreat to vehicles or CITEC	Retreat to vehicles	Retreat to CITEC
Winds greater than 40 mph	Radio alert, VOG, exhibitor email, exhibitor text, social media, mass media	Drive grounds telling people of the hazard until you're called to the office	Close exhibits and retreat to vehicles or CITEC or other hard structures	Retreat to vehicles or CITEC	Retreat to vehicles or CITEC	Retreat to vehicles or CITEC	Retreat to vehicles or CITEC	Retreat to vehicles	Retreat to CITEC

*Central Iowa Training and Education Center (Van Wall Building at south end of the facility)

MDESIGNER126/GETTY IMAGES

range of weather that can occur at an outdoor event, including lightning, high winds, hail and tornadoes.

TRIGGER CHART

At the training, Wild learned how to create a custom “trigger chart,” which provides staff, volunteers, exhibitors, vendors and all people directly involved with the event a list of actions designed to keep people safe.

The custom chart on the previous page shows the level of detail that goes into planning for a safe event. The colors, and actions, range from green — which is good — to red — which is weather that could end the show.

With that trigger chart, everyone knows in advance what the process will be if the weather turns bad. And no one wants to see conditions in the red.

Wild, who has more than 25 years of experience doing outdoor events, has found this trigger chart to be a game-changer for management. This chart shows what to do as severe weather moves in, from knowing what to announce on the public-address system to what will be reported over the radio system for event team members.

Morgan notes that the two-day training was an eye-opener to her, even in the way weather stats are reported.

“Just because it says there’s a 30% chance of rain, that doesn’t mean what you think it does,” she says. “You could actually have 100% chance of rain with that statistic based on where you are.”

She adds that the knowledge gained also makes her more confident about decisions regarding actions at outdoor shows. Over the years, rain and high winds have caused problems for the shows. With this knowledge, the events team is better able to react to keep visitors, exhibitors and staff safe.

LIGHTNING RISK

Lightning is a bigger issue than many people think, especially for an outdoor event.

Generally, if the lightning is within 12 miles of an area, you would get a warning. If within 8 miles, there’s a warning and potential evacuation. And if it gets closer than 5 miles, the area is evacuated and the show is closed.

What many people don’t often understand is that a storm 10 miles away can send lightning pretty far in any direction. That’s always a danger for an outdoor event.

For on-site staff, that trigger chart is the key. Every staff member involved with

the show knows the drill if the weather changes.

KEEPING UP ON ALERTS

There are several ways to know what’s happening at the show:

Show website. *FarmProgressShow.com* is the main website where alerts will show up if needed.

Twitter. Go to *twitter.com/fpshow* or *@FPSHOW* to get immediate alerts as conditions change.

Facebook. The Farm Progress Show Facebook page — *facebook.com/farmprogressshow* — will also have updated information if conditions change.

2022 Farm Progress Show app. Downloading the latest app from iTunes or Google Play will keep you informed. The staff can send alerts to your cellphone if weather conditions warrant. Be sure to select the 2022 version of the app.

As part of the role of monitoring the weather, Farm Progress staff works with

National Weather Decision Technologies out of Norman, Okla.

“We work with those folks, and if bad weather comes up, we get immediate alerts,” Wild says. “That happens during setup, the show itself and teardown. Anytime we have people on-site, we get alerted and can take action.”

Weather conditions for an outdoor show are more important than ever. The Farm Progress events team is keeping its eyes on the sky.

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Brent, Andy, Max and Jessica Riley



JENNIFER CARRICO

TOM VILSACK, U.S. SECRETARY OF AGRICULTURE

USDA secretary welcomes 2022 Farm Progress Show visitors

Dear Colleagues:

Welcome to the 2022 Farm Progress Show. It's good to have so many leaders in agriculture together again for this one-of-a-kind showcase. Now, more than ever, the world is looking to our industry to lead on a number of important topics.

For over 50 years, this show has brought together the very best in agriculture and continues to grow its impact by highlighting advancements that allow rural America to continue building back stronger. There is no question that agricultural producers, rural communities and consumers are experiencing the impacts of global supply chain issues, a shifting climate, an unjustified invasion of Ukraine and Putin's price hike, and the continued recovery from a global pandemic. The good news is that American agriculture is and will continue to help lead the way for the rest of the world in tackling these crises. American agriculture has always found ways to innovate and adapt.

Part of that adaption includes providing opportunities for farmers to adopt climate-smart practices and increase investments in science, research and innovation. New technologies, like precision agriculture, allow farmers to apply inputs more efficiently, leading to reduced environmental impacts. Many of the same practices that make agricultural operations more resilient in the face of climate change can also help tackle the climate crisis itself — all while creating new sources of revenue for producers.

American producers have shown again and again that they are able to tackle challenges with creativity, ingenuity and innovation. It's my hope that our industry continues to lead in establishing new techniques and practices that help change the world. Progress happens best when we all work together toward a united goal.

The backbone of America has always been agriculture, and our collaboration will ensure that remains true for years to come. I hope you all enjoy your time at the 2022 Farm Progress Show.

Sincerely,

A handwritten signature in black ink, appearing to read "Tom Vilsack".

USDA Secretary Tom Vilsack

An advertisement for Doyle Family Tradition. The background is a scenic view of rolling green hills under a clear sky. In the foreground, a large, silver, vertical industrial blender stands in a field. An American flag is flying on a pole behind the blender. The text "Quality is Our Tradition" is written in a white, arched font at the top, with a white silhouette of a bird in flight. Below this, "FAMILY TRADITION" is written in large, bold, green letters. Underneath, "We are" is written in a smaller font, followed by "Doyle" in a large, green, cursive script. A starburst graphic on the right says "Celebrating 70 years!". A small caption "Vertical Blender" is near the base of the machine. At the bottom, a green banner contains the text "Home of Worldwide Quality Blending, Conveying, Tending & Spreading Products". The Doyle logo, "A QUALITY Doyle PRODUCT", is in the bottom right corner. Contact information "800-788-8085 | 1 Jack Doyle Industrial Drive | Palmyra, MO 63461 doylemfg.com" is at the very bottom.

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RAVEN

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KIM REYNOLDS, GOVERNOR OF IOWA



ADAM GREGG, LT. GOVERNOR OF IOWA

State's top leaders welcome all to Iowa's rich farming heritage

Dear Farm Progress Show attendees and exhibitors:

We're delighted to welcome you back to Iowa for this time-honored tradition, which brings the best of American agriculture to the heart of the Midwest.

Generations of farmers, ranchers and ag industry professionals have looked to this event as an opportunity to learn from experts in the field and experience what's ahead in agriculture. This year is no exception. Attendees will see the latest products and equipment from the world's foremost ag manufacturers, meet face to face with agribusiness leaders and gain important insight into the future of farming.

As governor and lieutenant governor, we always look forward to hosting the Farm Progress Show and showcasing Iowa's rich farming heritage. We're proud to be the nation's top producer of corn, pork, eggs, ethanol and biodiesel, and respected as a center for agricultural innovation. Located nearby the Farm Progress Show in Ames, Iowa State University's College of Agriculture and Life Sciences is one of the world's leading institutions of agricultural education, and America's Cultivation Corridor is expanding and diversifying Iowa's ag economy through ag tech and other innovative industry startups.

While you're here for the show, we invite you to experience all our state has to offer, from friendly small towns and bustling metro areas to the natural beauty of our state parks.

Thank you for everything you do to support this essential industry. We hope you enjoy the show and your time in Iowa.

Sincerely,

Kim Reynolds

Governor of the State of Iowa

Adam Gregg

Lt. Governor of the State of Iowa

Iowa's ag secretary: 'Experience ag's newest technologies'

Farm Progress Show exhibitors and attendees,

Welcome to the 2022 Farm Progress Show at the Central Iowa Expo in Boone, Iowa! We are excited to host this premier showcase of agricultural innovation once again in Iowa.

For over 60 years, the Farm Progress Show has brought farmers from across the globe together to experience agriculture's newest technologies, leading companies and most effective equipment. With hundreds of exhibitors, there's no better place to engage with the latest farm products and the specialists who worked hard to develop, test and design them.

These experiences are especially valuable in the current challenging economic climate; the cutting-edge technologies and innovative equipment on display at the show allow farmers to continue to increase their efficiency, productivity and, hopefully, profitability.

Many exhibitors will also be showcasing tools intended to help farmers continue to reduce soil erosion and improve water quality. It is encouraging to see how businesses, service providers and other partners have committed to integrating conservation practices into their work. I hope you are able to learn more about the tools available to help you manage nutrients on your farm.

The Iowa Department of Agriculture and Land Stewardship is committed to partnering with farmers and landowners as they adopt these and other practices to continue to improve soil health and water quality. To learn more, you can visit CleanWaterIowa.org.

Finally, anyone involved in agriculture can tell you that one of the best things about our community is the people you get to work with. The Farm Progress Show is no exception to that rule and offers many opportunities to see old friends and make new acquaintances. I hope you appreciate everything the show has to offer and take full advantage of all the people, resources and information available.

Welcome to Boone and enjoy the show!

Sincerely,

Mike Naig

Iowa Secretary of Agriculture



MIKE NAIG, IOWA SECRETARY OF AGRICULTURE

GO BIG WITH TITAN

AT FARM PROGRESS 2022



Cole the Cornstar
youtube.com/ColeTheCornstar

The Welkers
youtube.com/WelkerFarmsInc

MEET COLE THE CORNSTAR AND SEE THE WELKER'S BIG BUD

You've seen him on YouTube, now stop by and grab a photo and an autograph as well from Cole and the Cornstar Family.

See the Welker's Big Bud fresh from the fields of Shelby, Montana up close and personal. You might even run into the Welker's in our booth!

See why this year's going to be **BIG** at
titan-intl.com/FPS

OTHER REASONS TO VISIT US AT BOOTH 24S

- World debut of a new tire technology
- Return of the FFA tire auction
- \$200 towards your next Titan or Goodyear Farm Tires purchase
- See the world's largest farm tires — the LSW1400/30R46
- And much more



SHINING A SPOTLIGHT ON AG INNOVATION

Farm Next series showcases emerging inventors and their new ideas

The world of agricultural innovation has exploded, fueled by significant investments in the industry. But who are these innovators? What are they developing? How will these breakthrough innovations change the landscape of the industry, and where can farmers learn more? Farm Next, a new, original series from Pivot Bio, in partnership with Farm Progress, will shine a spotlight on 10 of these ag innovators.

According to Pivot Bio co-founder and CEO Karsten Temme, Farm Next is “a search for the next set of innovations that are going to help solve the problems we face today and the problems we’ll face tomorrow.”

Pivot Bio was one of the next set of innovations just a decade ago when its co-founders envisioned a better nitrogen fertilizer. Now, their microbial nitrogen fertilizer has gone from vision to product, having been available to farmers for four years. With more and more farmers using Pivot Bio, the company has matured from a new startup into a more established business, and now it’s time to pay it forward.

Farm Next does just that by shining a spotlight on agricultural innovators, creating a platform for them to share their stories and provide support in new ways. “And with the lessons we’ve learned, I think there’s a lot we might be able to share with other innovators out there at the start of their journey,” Temme says.

Participants will be featured in a series of 12 episodes on RFD-TV. Airing on Mondays at 7 p.m. Central time starting July 11, episodes will also be available for streaming at pivotbio.com/farm-next.

Episodes feature innovators meeting with a panel of business leaders, ag experts and farmers, hoping to glean a little bit of their knowledge for themselves.

“The idea is to bring in these innovators at the start of the journey, hear their stories, get a look under the hood and better understand what they’re trying to build,” Temme says.

Phil Stanhope, director of marketing at Pivot Bio, says the show helps capture these

unique ag tech stories and broadcast them to farmers. “It didn’t take us long to identify the companies,” he says. “With this many interesting tech startups in this industry, there is no shortage of great stories to be told.”

From robots to cover crops

With the 10 companies, Pivot Bio has captured a range of new ideas for agriculture. One, in particular, caught Stanhope’s attention. “My brother lost his leg at 19 in a grain auger accident,” he says. “When I saw the Grain Weevil, which breaks up that crust down to the auger, it really resonated with me.”

Agriculture is a diverse industry, and the startups featured in Farm Next are equally diverse. While the Grain Weevil hits home as a safety tool, others include:

- technology allowing a diesel truck to burn ethanol
- a cover crop doubling as a cash crop, all while improving soil health
- software that can help farmers better plan equipment management
- a tool that kills weeds using electricity

Each episode features a different startup, which Stanhope says will put their names before more farmers, as well as a broader audience. “Society, as a whole, does not fully appreciate how many innovation and technology advances are being made in agriculture,” he says. “Ag is one of the most exciting segments of the entire marketplace.”

Farmers will get a chance to meet these innovators and see their ideas close up. Pivot Bio is providing space at the Farm Progress Show next to its own exhibit for these companies to be on hand. “They can have conversations with farmers about what they’re doing and how they’re doing it,” Stanhope says.

“We’re looking forward to highlighting these new inventions and ideas in front of farmers that come to the Farm Progress Show,” says Tracy Willits, vice president of communications at Pivot Bio. “We are so thrilled to talk about what they’re doing and get the whole world excited about what’s next.”

See the videos at pivotbio.com/farm-next

MEET THE FARM NEXT STARTUPS

ClearFlame Engine Technologies

Working to create a clean heavy-duty industry by decarbonizing the fuel used by diesel engines, the first innovation the company has launched is a system that allows diesel engines to run on ethanol, a low-carbon, renewable fuel. See ClearFlame.com.

Ag Robot

The Flex-Ro, short for flexible robot, was built by the University of Nebraska-Lincoln’s Biological Systems Engineering Department. Santosh Pitla leads the team developing the smaller machine that uses its sensors to take a variety of measurements. See news.unl.edu/newsrooms/today/article/usda-nifa-grant-to-advance-ag-robot-research.

CoverCress

CoverCress has converted field pennycress using advanced breeding and gene-editing tools to create a climate-smart agricultural product. The renewable oilseed and animal feed crop has a winter annual growth cycle allowing it to fit into an existing corn-and-soybean rotation. See CoverCress.com.

VergeAg

VergeAg is the creator of Launch Pad, the world’s first interactive solution that helps farmers plan their operations specific to seeding, spraying and harvest. It is the only product focused on the cohesive movement of equipment in the field, creating a set of path plans custom to each farm and removing unnecessary travel. See VergeAg.com.

Yard Stick

Yard Stick is an in-situ soil carbon and bulk density measurement technology. Using the Yard Stick spectral hardware, a farmer can quickly capture, map, track, audit and share soil carbon data. Yard Stick technology can reduce the cost of measuring high-quality soil organic carbon by more than 90%. See UseYardStick.com.

Crop.Zone

Creator of the volt.fuel Electrical Weeding System, Crop.Zone has developed a system using a conductive fluid combined with an electrical charge to kill target plants. The system is herbicide-free, providing a new approach to weed burndown, terminating cover crops and desiccating crops for harvest. See Crop.Zone.

Grain Weevil

Grain Weevil is a grain bin safety and management robot that directly engages the surface of the grain to break up crusted material. This reduces the need for farmers to enter bins for greater safety. The system can also boost workflow efficiency in grain management and improve grain quality. See GrainWeevil.com.

Salin 247

The Salin 247 fully autonomous drive system can be used for planting, spraying and sidedressing nitrogen. The lightweight design reduces compaction while providing for timely work throughout the season. See Salin247inc.com.

Phospholutions

Phospholutions is the creator of RhizoSorb, a product designed to support plant uptake of phosphorus more efficiently. In addition, the product complements a range of fertilizer inputs and amendments to improve soil conditions. See Phospholutions.com.

Corral

Using an innovative collar system on cattle, a producer can move animals remotely and create new fences using company software. The Corral collar wearable provides stimulation to keep cattle within the virtual boundary ranchers create with the company’s software. See CorralTech.com.

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Farm Next highlights innovations in agriculture

BY WILLIE VOGT
@WILLIE1701A

NO QUESTION ABOUT it, agriculture has garnered plenty of attention in the investment community, and that is starting to yield new products and ideas for farmers.

Pivot Bio, a company that 10 years ago was a startup itself, wants farmers to see where ag innovation is going. The company has partnered with Farm Progress to do that by bringing 10 startup firms to the show as part of the Farm Next program.

The program, which started in July in a series of television specials on RFD-TV — later shown online — highlighted these companies. The culmination of that program is the Farm Progress Show exhibit — which is a first for both partners.

“It is rare for companies like this to be on hand at the show. Often, it’s a few years before farmers can see this tech, but the Farm Next exhibit is very exciting,” says Matt Jungmann, Farm Progress national events director.

Notes Karsten Temme, co-founder and CEO, Pivot Bio: “Farm Next is a search for the next set of innovations that are going to help solve the problems we face today and the problems we’ll face tomorrow.”

Pivot Bio was one of those startups a decade ago when its co-founders developed a better nitrogen fertilizer. That microbial nitrogen fertilizer has gone from vision to product, having been available to farmers for the last four years. With Pivot Bio going on more acres, the company has matured from startup to an established

business. This exhibit partnership is the company’s way of paying it forward for the next round of innovators.

The Farm Next program also creates a platform for those startups to share their stories and provide support in new ways, working with Pivot Bio. “And with the lessons we’ve learned, I think there’s a lot we might be able to share with other innovators out there at the start of their journey,” Temme says.

DIVERSIFIED INNOVATIONS

The 10 companies highlight a range of new ideas for agriculture. Farmers are likely to be inspired by what they see — from the Grain Weevil, which can bust up crusted grain and keep farmers out of bins, to ClearFlame Engine Technologies, creator of a system that allows diesel engines to run on ethanol.

Others in the list include a company that has developed a cover crop that can double as a cash crop, adding new income to the corn-soybean rotation. There’s software to better plan equipment use. For cattle producers, a firm has developed a virtual fence for pasture management. And



NATALIA BURVALETTI IMAGES

HIGHLIGHTING NEW IDEAS: The Farm Next exhibit — a partnership between Pivot Bio and Farm Progress — offers farmers a chance to see future ag products up close and talk to the creators.

there’s even a startup that has figured out how to kill weeds with electricity.

“This will be the first time farmers will get to see all these startups in one place,” Jungmann says. “It’s going to be an excellent look at what’s ahead for farming.”

Adds Tracy Willits, vice president of communications at Pivot Bio: “We’re looking forward to highlighting these new inventions and ideas in front of farmers that come to the Farm Progress Show.”

You’ll find the Farm Next exhibit right next to Pivot Bio at Lot 116.



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See machines in action

BY WILLIE VOGT

@WILLIE1701A

SHINY MACHINES, WHERE even the tires glow, is great to see in person at a farm show. But watching those machines work the field is what sets the Farm Progress Show apart. Many may have made the trip to Decatur, Ill., in 2021. But if you hadn't and Boone is your show site of choice, you've been "deprived" of equipment action since 2018.

Crops were planted in time to be harvested when gates open Aug. 30. "We got it done in the nick of time, given how much rain we got early in the season," show manager Matt Jungmann says. "The site has taken a couple of heavy rains this season, but everything is on track for harvest."

Jungmann and Rick Wild, operations manager for the show, have been getting the Boone demo fields ready for visitors.

And manufacturers are getting ready, too. Given how the 2022 supply chain situation has been going, getting specifics on what will be in the field has been more challenging, Jungmann says. "But we'll have plenty to see."

WEATHER MATTERS

An outdoor farm show offers the space to show a lot of equipment, but Mother Nature has her own plans for any outdoor event. If conditions change on-site, you can keep up on the demos in a few ways:

FPS app. Download 2022 Farm Progress Show app and turn on notifications.

Text service. Use the mobile text service by texting "FPS" to 20505. Respond to the next text to ensure you're on the list. Even if already on the FARM list to get daily texts from Farm Progress, you need to opt into the service under FPS to get the show texts. Text message rates do apply, and you can opt out at any time.

Social media sites. @FPSHow on Twitter and the Farm Progress Show Facebook page will have regular updates, too.

The map at right shows where demonstrations will be each day. But save some walking and head to the tram stop on the east side of the showgrounds. Those drivers will get you to the right field.

SO MUCH TO SEE

Here are just some of the demos to catch:

Corn combining. Starting 11 a.m. daily,



the demo gets large crowds, so arrive a little early. You'll see the latest combines from the major makers — some that have not been shown on the market until now.

Along with those combines, new auger carts will collect grain on the go. And you might find a not-so-new combine that has a new corn head with new tech, too.

Tillage. These run from 2 to 3 p.m. Arrive early because this one can go fast, especially with vertical tillage tools. Tillage technology has advanced a lot in the last five years with the advent of combo tools that provide on-the-go potential to change gang angles to manage residues.

Autonomy. On the east side near tram

loading, watch equipment of the future at work. Raven will be operating the latest versions of its OmniPower and OmniDrive equipment. And Solinftec will show its in-field robot taking in data autonomously.

Drones. Running between 10 a.m. and 3 p.m. daily, crop protection application machines and more will offer up their "hands-off" tech.

SAFETY MATTERS

Longtime show visitors know that staying behind the rope when machines are running keeps everyone safe. Follow directions given from the sound system and the safety team on the ground.

HOLLY SPANGLER



FIRST SINCE 2018: This is a field demo during the 2018 Boone show — the last time machines hit the field with the crowd on hand.

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COME SEE OUR NEW TECHNOLOGIES AT THE FARM PROGRESS SHOW - BOOTH 660



Find ways to get work done at autonomy demos

BY WILLIE VOGT
@WILLIE1701A

FARMERS ARE STARTING down a road to autonomy, but it's not an overnight move. Rising use of automation in machinery has allowed farmers to be more efficient and improve practices from tillage to planting to harvest. And fully autonomous vehicles are becoming a reality. At the Farm Progress Show, visitors can see some of these new tools in action.

Raven Industries returns to the Farm Progress show with its OmniPower and OmniDrive driverless machines, and Meagan Huisman, marketing strategist, says Raven's goal is to work with farmers on their tech journey.

"We want to talk to the farmer about the path to autonomy," she says. "Raven is committed to helping farmers better utilize their resources through technology, helping to reduce fatigue, improve safety, increase sustainability and essentially do more with less."

She says at the 2022 show, Raven is inviting farmers to "join us on the path to autonomy and take strides forward to integrate advanced technology into their operation and improve their farm."

The key is that farmers are at different points on that path, and the discussion with Raven when visiting the exhibit will be around determining where an individual farmer is on the journey and where their farm needs to go.

"There are five levels on the path to autonomy. Level 1 is precision farming, where each layer of technology is operated independently," Huisman says. "Each new level on the path adds more automation — from coordination and optimization to operator-assisted autonomy, supervised autonomy and, finally, to full autonomy."

In the exhibit field, Raven has redesigned the experience to collaborate with farmers on the path to autonomy, providing an air-conditioned environment to discuss the tech and help farmers explore where they are on their journey.

At the field demonstration, Raven has upgraded its Command Center to provide a viewing deck, so farmers can get a good look at the driverless machines as they move through the demonstration area.

Adds Rachel Hennen, marketing strategist at Raven: "We have reinvented the Command Center to be a really cool experience. We know that putting our technology in the hands of our customers or potential customers helps them feel more comfortable with it and builds trust in the solutions we're providing."

OmniDrive makes a tractor with a grain cart an autonomous "harvest helper." OmniPower is the driverless power platform that can be used for different tasks, depending on what it's mated to, such as a granular spreader or a full-size sprayer.

In addition to the observation deck, a tent will provide shade for visitors to the field demonstrations.



HANDS-OFF OPERATOR: The new OmniPower 3200 will be operating in an autonomous demonstration area at the Farm Progress Show site. Raven will also be showing the OmniDrive autonomous grain cart solution at work.



FULL-TIME DATA GATHERING: Three solar-powered autonomous vehicles from Solinftec will be at work in the autonomous demonstration area. These machines capture a range of in-season crop information to improve field management.

A DIFFERENT KIND OF AUTONOMY

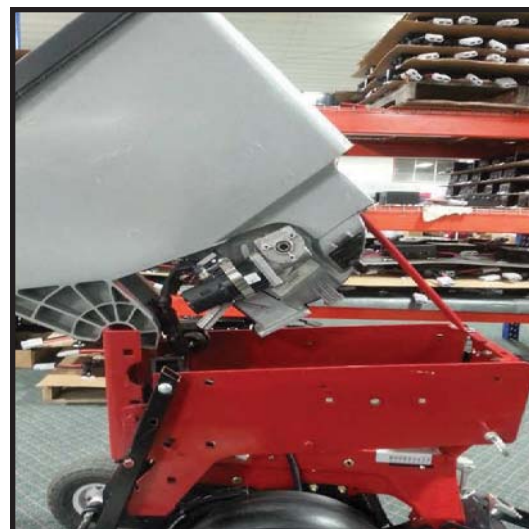
Solinftec is innovating in-field data gathering with its autonomous technology.

"We're going to have our scouting robot at work in the demonstration," says Ben Brame, North American product manager at Solinftec. "We'll have three units at work. And what's going to be fun is that we're bringing in some corn plants in a plot, so you'll see the robot moving live through that field."

The solar-powered robot is designed to be continuously at work in the field. The company has machines working in Illinois in a partnership with Growmark. The effort is expanding in 2023.

"We're showing the data we can collect, and we have the robot outfitted with all kinds of cameras," Brame says. "I think the real value is with image recognition. We're in the process of building up our library of what we can automatically detect with our images — insects, weeds, diseases. We can identify weed species, height, density, and help make economic decisions."

With its machine-learning model, the more information each of these autonomous machines gathers helps make the software even better. Over time, Brame says the new tech can be used to measure plant health, stand counts, growth stage and nutrient-use efficiency.



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First-aid support ready if needed

BY WILLIE VOGT
@WILLIE1701A

YOU DON'T WANT trouble to strike. But bring a crowd of people together for three days under a hot sun and things can happen. And the Farm Progress Show is ready with emergency medical technicians on hand.

"We provide paramedic-level service at the show site," says John DeLavergne, with Boone County Ambulance. "We have a full crew with paramedic gear, but our main job is first aid. If there is a problem, we'll need to transport them either to Boone or to Mary Greeley in Ames."

So far in Boone, the temperatures have been mild, he says. "We've not seen the hot days that Decatur [Ill.] sometimes gets," he says. "We're biding our time, and so far, we've been lucky."

There are two first-aid locations on the show site. The first is in the Administration Building on the south side of the show site.

New for 2022 is a trailer that will be positioned on the north side of the site next to Gate 1.

"We got a new support trailer with COVID dollars," DeLavergne says. The 36-foot trailer is air-conditioned, providing

another stop for show attendees who may be experiencing issues.

SOME TIPS FOR SHOW

While most of what DeLavergne and his crew have been asked to provide is ibuprofen and bandages during the show,

they are ready for major health issues. And he has some tips for attendees to consider.

"People don't think about the fact that parts of the show are paved and that reflects heat," he says. "Even if it's not a warm day, you can see a 20-degree temperature difference" between areas.

His advice? Drink water, and don't consider that Pepsi you downed as a substitute for water.

"People just don't stop to drink water, but that can make a lot of difference," DeLavergne says.

When at the show, play it safe:

- Wear comfortable shoes.
- Stay hydrated.
- Dress in clothing that protects your skin from the sun.
- Use sunscreen.



HELP AVAILABLE: Boone County Ambulance will have EMTs on-site in case show attendees experience a health problem. Most of the time, EMTs distribute ibuprofen or sunscreen, but they're ready for more serious problems.

PHOTO BY ARTISTEER/GETTY IMAGES





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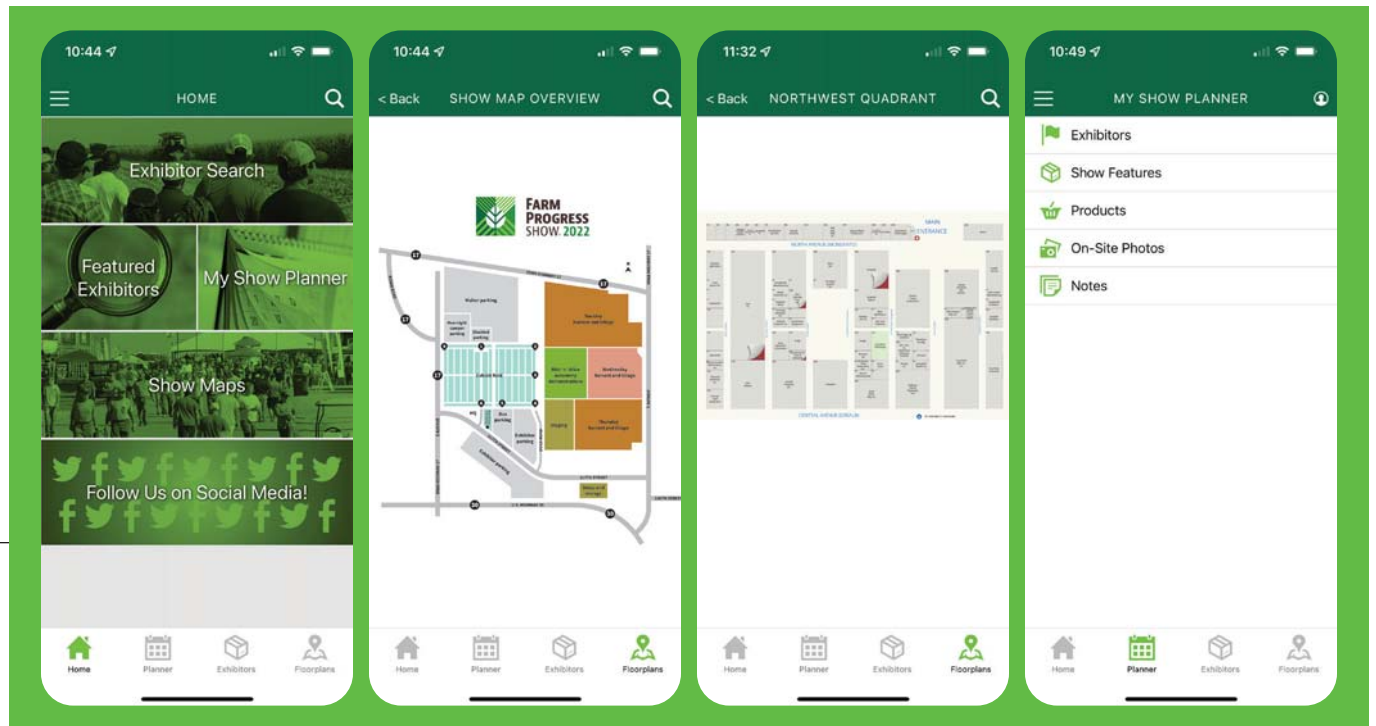
BY WILLIE VOGT

@WILLIE1701A

IT TURNS OUT 2022 marks the 15th anniversary for Apple's iPhone, and while other companies were in the smartphone business at the time, this latest innovation pushed consumers to put these super computers in their pockets. Today, more farmers are running their farms from a smartphone, getting information and making decisions in new ways.

Putting your smartphone to work to help maximize your visit to the Farm Progress Show can be a valuable time-saver.

MAXIMIZE SHOW TIME: The 2022 Farm Progress Show app allows you to easily find specific exhibitors or track down all the exhibitors that make a specific product. The screenshots at right show different aspects of the app, including My Show Planner.



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The Farm Progress Show has long had an app to help you facilitate your visit to the show. The 2022 Farm Progress Show app is ready for you to download. If you had the earlier version installed and had automatic settings enabled on your device, you may have the 2022 version already.

A key to the app is the Map Your Show platform, which includes the My Show Planner. You can register for My Show Planner on your phone — it's free — to

help you identify and store key exhibitors you don't want to miss. That My Show Planner is live on the *FarmProgressShow.com* website, too. And if you use the same login credentials, you can plan your show in one place and have access to your account on desktop or app.

POWER OF PLANNING

The My Show Planner tool allows you to search exhibitors by category, as well as brand. You might know the major brand

for a specific product, but are there others? They're easy to find with the tool. And once you've logged those specific exhibitors in your planner account, the app is ready to travel with you to Boone.

And if you're concerned about using the app at the show if cellular bandwidth is limited, no worries. The phone stores key information locally. That means if you're in heavy cell traffic, the app will continue to work.

And be sure to turn on notifications

for the app. During each show day, messages will come from the app pointing out special opportunities for you around the show. The show team has worked to make the app a potent tool for maximizing your time in Boone.

It's been four years since the show has been in Boone and having the 2022 version of the app on your phone will help you maximize your time. Just visit your favorite app store — Google or Apple — and search for 2022 Farm Progress Show.



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OUTBACK WRAP AVAILABLE!

2 airports serve visitors

BY WILLIE VOGT

@WILLIE1701A

FARMERS AND EXHIBITORS have long flown their own aircraft to get to the Farm Progress Show. Boone's show site is served by two municipal airports offering full-service support for flyers.

The Ames Municipal Airport (KAMW) is run by Central Iowa Air Service. The airport's major upgrades include a new terminal, hangar and runway lights. For more, visit centraliowaair.com, call 515-292-9056 or email info@centraliowaair.com.

Discover Ames is providing shuttle service for show attendees flying in and out of the airport. Shuttle service is not a continuous loop, and visitors must preregister or call for service the day of their landing.

The shuttle is available from:

- 7 a.m. to 7 p.m. Aug. 30
- 7 a.m. to 5:30 p.m. Aug. 31
- 7 a.m. to 4:30 p.m. Sept. 1



SERVING PILOTS: The Ames Municipal Airport is ready to receive visitors to the 2022 Farm Progress Show. Attendees can also fly into the Boone Municipal Airport. PHOTO BY JENNIFER CARRICO

To preregister for shuttle service, email your name, cellphone, number of people in your party, and date and time you need a ride to Kim Ables at kima@discoverames.com, or call 515-817-6312 before Aug. 28.

The airport is located at latitude 41-59-31.4000N and longitude 093-37-18.6000W, and elevation is 955-foot mean sea level.

There are two paved runways: 01/19 is

a 5701-foot-by-100-foot grooved asphalt runway, and 13/31 is a 3491-foot-by-75-foot grooved concrete runway with GPS, VOR and ILS instrument approaches.

Ames CTAF/Unicom is 122.7; lights are on 126.00 and clearance delivery is on the ground through the Des Moines ATC frequency 126.00.

Weather for Ames is on frequency 132.025 or by phone at 515-233-2611. Contact the Ames fixed base of operations (FBO) via email at info@centraliowaair.com. For more detailed information for Ames, visit airnav.com/airport/KAMW.

If you need to rent a car, the Ames airport offers two choices. Enterprise Car Rental is just 2 miles from the airport and can be reached at 515-233-5200. A local company, Ames Auto Rentals, can be reached at 515-635-1599.

BOONE MUNICIPAL AIRPORT

The Boone Municipal Airport (KBNW) is managed and operated by Farnham Aviation Services. See farnhamaviation.com. The airport is 2.5 miles west of the show site, a five-minute drive. Shuttle service to and from the show site will be

provided daily between 7 a.m. and 7 p.m. No reservations are necessary. Farnham Aviation Services offers 100LL and Mogas, as well as Jet A aviation fuels.

Reach the airport FBO at 515-432-1018, or email farnhamaviation@outlook.com. It's open daily from 8 a.m. to 5 p.m.

The Boone Airport is located at latitude 42-02-59N and longitude 093-50-53W. The elevation is 1,160-foot mean sea level.

Runway 15/33 is a 4,807-by-75-foot grooved concrete runway and handles aircraft from light-sport to medium-sized business jets. Both runways have RNAV (GPS) approaches. Runway 02/20 is a 3,190-by-220-foot turf runway. Boone Unicom and runway lights are both on frequency 123.00. Boone weather can be found at 120.925 and by phone at 515-432-9042.

Remember to check NOTAMS before arrival, and the airport will provide coffee, doughnuts and hospitality. For more details, visit airnav.com/airport/KBNW.

International arrivals requiring U.S. Customs service will need to clear at the Des Moines International Airport (DSM) before proceeding to Ames or Boone. Check NOTAMS prior to arrival.

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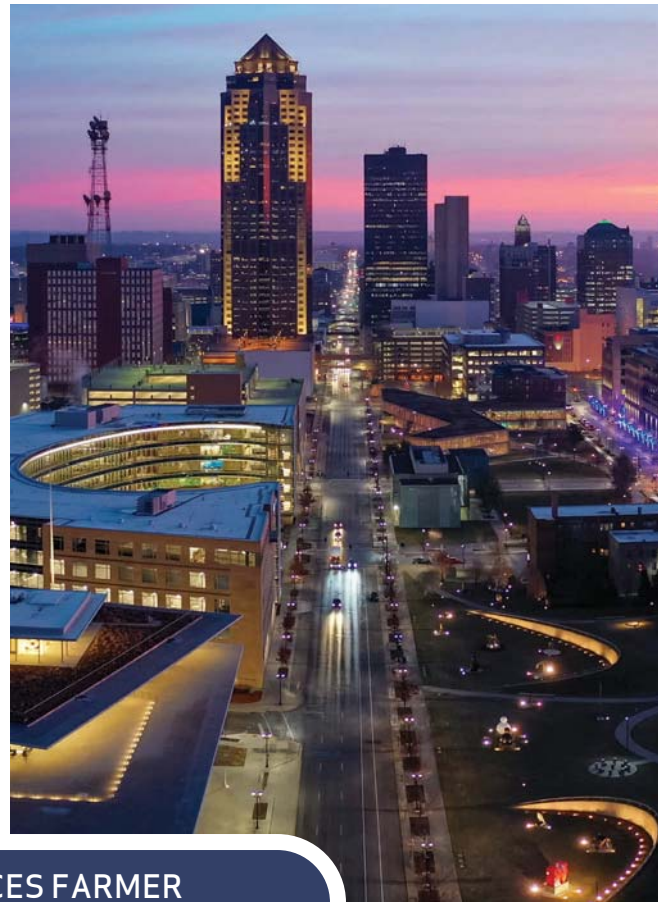
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FarmProgressShow.com

Soy-based asphalt now floor of industries tent

BY WILLIE VOGT

@WILLIE1701A

A WALK THROUGH an outdoor farm show is an informative experience, but it can sometimes mean switches in “terrain” from gravel to grass to wood chips to concrete. It’s part of the experience. But when attending the Farm Progress Show in Boone, visitors will have a different experience at the Varied Industries Tent with a new asphalt base.

A new 600-by-60-foot asphalt pad will greet visitors to the 2022 show, but this is not “everyday asphalt.” The product uses soy and is sponsored by the Iowa Soybean Association.

“Infrastructure and demand are two priorities for Iowa soybean farmers,” says Robb Ewoldt, Iowa Soybean Association president. “The use of soy-based asphalt

will not only improve the capabilities and usability of the Central Iowa Expo grounds, but showcase the many applications for soy.”

Ewoldt, who farms near Davenport, says ISA has invested in research and technology to make soy-based asphalt a reality.

“We’re excited to bring it to the Central Iowa Expo grounds to improve its use for patrons and vendors,” he says.

“We’re creating an enhanced experience for visitors attending the show by upgrading the VIT area with this asphalt,” show manager Matt Jungmann says. “Farmers and exhibitors will find this new surface creates a better environment for the show.”

BUILDING ON RESEARCH

The paving project is an extension of Iowa State University Research formulating



NEW SURFACE: This stretch of asphalt uses soybean oil as a biopolymer. The technology was developed by Iowa State University through the support of the Iowa Soybean Association. A similar product will be a new “floor” for the Varied Industries Tent at the 2022 Farm Progress Show. PHOTO BY RYAN BERGMAN



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high-oleic soybean oil to replace other expensive, highly volatile compounds used as a binder in the creation of asphalt products. That research was funded by the Iowa Soybean Association.

“Iowa Soybean Association is driven to deliver greater production, demand and profitability for Iowa’s 40,000 soybean farmers,” Ewoldt says. “Soy’s incorporation in asphalt enhances the product’s durability and longevity, and reduces maintenance costs.

“It also increases demand for soybean oil, enhances environmental quality and provides the Central Iowa Expo greater flexibility in the events it attracts and hosts.”

Biopolymer asphalt has been used in various projects throughout Iowa and more are slated in other states.

Research and testing on the biopolymer product continues as ISU pushes the product toward commercialization. About two-thirds of the potential market for the soy-based product is public, including roads maintained by the state’s department of transportation.

“We’re excited to bring this new technology to the Farm Progress Show,” says Don Tourte, a senior vice president at Farm

Progress. “Any way we can improve the site for visitors and exhibitors while also encouraging new uses for our farmers’ crops creates benefits for everyone.”

Ewoldt says the project is a win-win for Iowa soybean farmers, Central Iowa Expo and the Farm Progress Show. “Featuring soy in such a prominent location will advance awareness and understanding of the product’s versatility and benefits, while making the expo grounds more usable and accessible for guests for years and decades to come,” he says.

RECYCLING PART OF PROJECT

The material used in the project is a cold-in-place technology. It will use 100% recycled asphalt pavement mixed with the soybean-based product.

The soy-based asphalt project will encompass nearly 36,000 square feet and use 3,500 pounds of soybean oil. Each bushel of soybeans yields about 10.7 pounds of oil. Oil derived from up to 327 bushels of soybeans were used in the project.

The specific amount of oil used in any asphalt project varies by the quality of the reclaimed asphalt pavement, its moisture content and the desired final density of the pavement.



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Camping for the show? Check out these options

CENTRAL IOWA HAS a variety of campground options for show attendees. Skim through the offerings on these pages.

On-site camper parking will be available at the Farm Progress Show on the southeast side of the North Parking Lot on a first-come, first-served basis. However, your camper must be self-contained. Go to FarmProgressShow.com for more details.

WEST

Campgrounds west of the show site:

Boone County Fairgrounds. 1601 Industrial Park Road, Boone; 515-432-5899; boonecountryfairgrounds@gmail.com; boonecountyfairia.com. Over 60 sites with electricity and water hookups.

Camp Hantesa. 1450 Oriole Road, Boone; 515-432-1417; hantesa@campfireiowa.org; campfireiowa.org. Space for more than 300 people. Meal service available.

Swede Point Recreational Area. 1601 322nd Lane, Madrid; 515-795-2809; snugteren@boonecounty.iowa.gov; search for “Swede Point” at mycountyparks.com. Has 24 sites with electricity; all with modern restrooms and showers.

Don Williams Recreation Area. 672 Hawkeye Lane, Ogden; 515-353-4237; BCCB@boonecounty.iowa.gov; search for “Don Williams” at mycountyparks.com. Has 150 sites with electricity and 30 without.

Hickory Grove Park. 67382 250th St., Colo; 515-232-2516; search for “Hickory Grove” at mycountyparks.com. Has 43 modern camping sites with electricity.

EAST

Campgrounds east of the show site:

Twin Anchors Campground. 68132 U.S. Highway 30, Colo; 641-377-2243; twinanchorscampgrounds.com. Has both RV and tent camping with electricity, water and sewer.

Pine Lake State Park. 22620 County Highway S56, Eldora; 641-858-5832 or 877-427-2757; iowastateparks.reserveamerica.com. Has 97 sites with electricity and 25 without, plus modern restroom facilities.

Grammer Grove Wildlife Area. 2030 127th St., Liscomb; 641-752-5490; search for “Grammer Grove” at mycountyparks.com. Tent camping only; electricity is available.

Rock Creek State Park. 5627 Rock Creek East, Kellogg; 641-236-3722 or 877-427-2757; iowastateparks.reserveamerica.com. Has 196 campsites, including both electric and nonelectric sites.

Central Iowa Fairgrounds. 1308 E. Olive St., Marshalltown; 641-753-3671; cifa@heartofiowa.net; centraliowafairgrounds.net.

Riverview Park. 402 Woodland St., Marshalltown; 641-754-5715; parksec@ci.marshalltown.ia.us; search for “Riverview Park” at marshalltown-ia.gov. Offers 30 electrical hookups, eight sewer

hookups and a bathhouse.

Shady Oaks Campground. 2370 Shady Oaks Road, Marshalltown; 641-752-2946; bigtreehouse.net/shadyoaks.html. Has 13 sites with full hookups, plus two more with electric only.

Timberwolf Valley RV Park. 2552 Smith Ave., Marshalltown; 641-328-1708; twv2014@gmail.com; twv2014.wixsite.com/



THE GREAT OUTDOORS: There are a wide range of campground operations near the Farm Progress Show grounds, so visitors have plenty of options to park a camper or pitch a tent.

hookups and a bathhouse.

hookups and a bathhouse.

hookups and a bathhouse.

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Take the next step in your harvest journey with **Brent® V-Series** corner-auger grain carts. The V-Series auger is positioned forward so it can be clearly visible from the side window of your tractor. The auger is also angled upward and outward so you can easily unload with ample clearance. The standard four-way downspout control provides maximum versatility with limited tractor movement when unloading.

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timberwolfvalley. Has spots for RVs.

Timmons Grove County Park. 1777 Marsh Ave., Marshalltown; 641-752-5490; mccb@co.marshall.ia.us; marshalltown-ia.gov/285/riverview-campground. Has facilities for RV campers, including 18 campsites with electrical hookups.

Pilgrim Heights Camp Retreat. 3005 E Ave., Montour; 641-492-6165; contactus@pilgrimheights.org; pilgrimheights.org. Offers an 80-acre recreational lake.

Outback Campground & Resort. 3220 H Ave., Tama; 641-484-3611; gr8camphost@gmail.com; outbackcamp.com. Has RV, trailer and tent camping.

Otter Creek Lake & Park. 2283 Park Road, Toledo; 641-484-2231; search for "Otter Creek" at iowadnr.gov/idnr. Offers 65 electric and 17 tents sites.

NORTH

Campgrounds north of the show site:

Little Wall Lake Campground. 3540 Little Wall Lake Road, Jewel; search for "Little Wall" at mycountyparks.com. Offers 53 hookup sites, 55 water and electric sites, and six primitive tent sites.

Whispering Oaks Campground and RV at Good Sam Park. 1011 Timberland Drive, Story City; 515-733-4663; goodsam.com/campgrounds-rv-parks. Has 100 campsites, all with water and electricity.

NORTHWEST

Campgrounds northwest of the show site:

Hidden Acres Christian Center. 3837 Union Ave., Dayton; 515-547-2751; office@hacamps.org; hacamps.org. Offers an inn, cabin and lodge facilities, and 90 campsites.

Kennedy Park. 1415 Nelson Ave., Fort Dodge; 515-576-4258; search for "Kennedy Park" at mycountyparks.com. Offers 53-acre lake and 18-hole golf course.

Webster County Fairgrounds. 22770 Old Highway 169, Fort Dodge; 515-955-3764; webstercountyfair@gmail.com; webstercountyfairgroundsia.com. Has over 90 campsites, with bathrooms and showers available.

Brushy Creek Recreation Area. 2802 Brushy Creek Road, Lehigh; 515-543-8298 or 877-427-2757; search for "Brushy Creek" at iowadnr.gov. Has both equestrian and non-equestrian camping areas.

Dolliver State Park. 2757 Dolliver Park Ave., Lehigh; 877-427-2757; Search for "Dolliver" at iowadnr.gov. Has 20 electric and two nonelectric sites.

Bells Mill Park. 3100 Bells Mill Road, Stratford; 515-832-9570; search for "Bells Mill" at mycountyparks.com. Has 45 electrical camp sites available.

Briggs Woods. 2490 Briggs Woods Trail, Webster City; 515-832-9570; search for

"Briggs Woods" at mycountyparks.com. Has 81 campsites, with RV and tent units.

SOUTH

Campgrounds south of the show site:

Ledges State Park. 1515 P. Ave., Madrid, 515-432-1852, iowastateparks.reserveamerica.com. Some sites have electricity.

Adventureland Inn. 305 34th Ave. NW, Altoona; 515-266-212, ext. 7; adventurelandresort.com/campground. Offers full-service campground with a swimming pool.

Cherry Glen Campground. 4338 NW 94th Place, Ankeny; 515-964-8792; search for "Cherry Glen" at recreation.gov. Has 125 campsites with electrical hookups.

Jester Park Campgrounds. 11407 NW Jester Park Drive, Granger; 515-323-5300; polkcountyiowa.gov. Offers 80 electric and 111 primitive sites, plus equestrian sites.

Acorn Valley. NW Beaver Drive, Johnston; 515-276-4656 or 877-427-2757; recreation.gov. Has 29 family and 65 primitive sites.

Prairie Flower Recreation Area. 5600

NW 78th Ave., Johnston; 515-984-6925; recreation.gov. Has 153 sites with electricity.

Yellow Banks Park. 6801 SE 32nd Ave., Pleasant Hill; 515-266-1563; search for "Yellow Banks" at mycountyparks.com. Has 60 sites available.

Walnut Woods State Park. 3155 Walnut Woods Drive, West Des Moines; 515-285-4502 or 877-427-2757; walnut_woods@dnr.iowa.gov; search for "Walnut Woods" at iowadnr.gov. Has 23 campsites, eight with electrical hookups.

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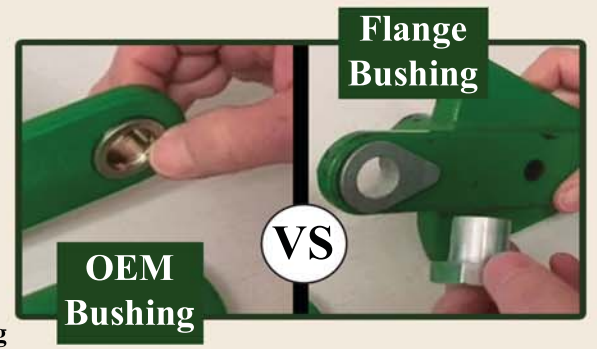
In the past, worn parallel linkage arms and bushings have always had to be replaced with new and expensive ones.

With the PPS flange bushing rebuild kit, there is no longer any wear on the parallel linkage arms. All of the wear is on the kit's replaceable parts.



Flange Bushing

Hex Bushing



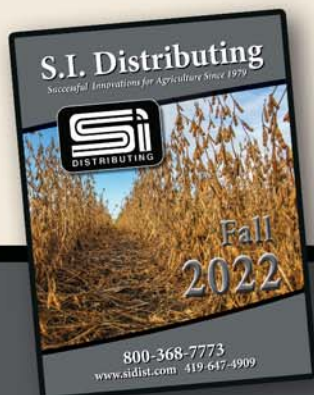
Flange Bushing

OEM Bushing

VS

These parts include a hardened flange bushing with a small built-in "dowel" pin that fits into a hole drilled into one side of the arm, and a threaded hex bushing that fits into the flange bushing. The installer drills a small hole into the arm for the dowel pin, and reams out the existing worn hole in the arm a little larger for a more precise fit for the bushings.

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Cover more acres in less time, while enjoying more control over depth and population. All of this will result in less seed, less fuel, reduced seeding rates, increased germination and an overall better stand.

SeedRight Large-Cell Discs: Accurately plant small grains including wheat, oats, triticale, cereal rye, and cover crop mixes based in cereal rye. For larger sized seeds, commonly less than 35,000 seeds per pound.

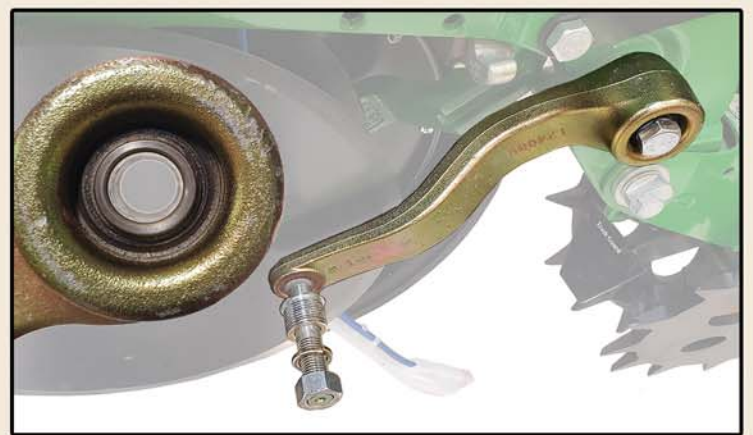
SeedRight Small-Cell Discs: Accurately plant cover crops including radishes, turnips, crimson clover, rape seed and rye grasses. For smaller sized seeds, commonly greater than 35,000 seeds per pound.

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These cast replacement arms feature the industry-standard 5203KYY2 sealed bearing. This double-roller bearing stays tight and withstands the abuse, unlike the OEM threaded bushings.

The shape of the Norseman Roller Bearing Gauge Wheel Arm prevents the build-up of mud and trash compared to the OEM arm.

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Follow rules if driving golf cart to get around

THE GOLF CART has become a fixture at farm shows to get around, but a few rules need to be followed to keep everyone safe.

Only golf carts and motorized scooters are allowed on the exhibit field at the 2022 Farm Progress Show. No vehicles that will idle unattended — lawn mowers, utility vehicles, ATVs or other similar machines — will be permitted.

Other golf cart information follows:

Renting. Visitors can rent a golf cart from the FPS-approved vendor M&M Golf Cars. Call 573-581-8188, ext. 121. The rental fee includes the permit required to enter the grounds.

Golf carts will be located near Gate 1 on the north side of the showgrounds.

Bring your own. Visitors can bring personal golf carts but will be required

to purchase a permit from the golf cart vendor located just west of the southwest entrance. The permit is \$80 for the day.

Watch that speed. There's a speed limit; keep that golf cart below 5 mph.

Stick to streets. Golf carts may not be used to enter an exhibit. They must remain in the street without obstructing access to the exhibit space.

Many exhibitors are now adding cart parking as an option. Operators who drive into exhibits and tents will lose their permit, and their golf cart will be removed.

Keep your keys. Operators must remove the key from the vehicle when vacated.

Rider limit. A golf cart may not transport more individuals than it has seats for.

No attachments. No pull-behind attach-



HOLLY SPANGLER

LINED UP AND READY: Golf carts are a popular mode of transportation for maximizing a show visit. But there are a few rules to follow too.

ments to golf carts are permitted.

Minimum age. Golf cart operators must be at least 25 years old.

Safety first. Drivers shall operate the vehicle in a safe and prudent manner.

Management's discretion. In those situations where questions arise relative to any aspect of these rules and regulations, Farm Progress Show management shall be responsible for all final decisions.

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WALLACES FARMER HOSPITALITY TENT

ALL SHOW VISITORS ARE WELCOME!

- Enjoy a shaded spot to relax
- Participate in activities for the entire family
- Meet Farm Progress team members
- Check on your subscription
- Purchase souvenirs
- Register for the 2022 sweepstakes

SEE WHAT'S ON THE STAGE!

- Come see agriculture influencers in person
- Watch a TV program being recorded
- Stay informed with This Week in Agribusiness
- Catch The Noon Show live hosted by Max Armstrong
- Listen to US agriculture officials





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Lee Brice returns to headline evening concert

LEE BRICE IS coming back to the Farm Progress Show, this time headlining a first-ever concert at the Boone site. Brice has penned multiple hits including “Farmer,” which he debuted at last year’s show in celebration of producers’ tireless work.

Starting at 5:30 p.m. Aug. 31, the free concert was made possible by Case IH.

“We’re proud to again work alongside Case IH to bring Lee Brice to the Farm Progress Show,” says Don Tourte, a senior vice president at Farm Progress. “It’s a great addition following the Wednesday show’s events, and we’re excited to have this high-caliber talent perform for our first concert at the Central Iowa Farm Progress Show site.”

As a brand ambassador for Case IH, Lee Brice—and his song “Farmer”—continues to reinforce the mission of the Case IH Built by Farmers initiative, which tells the stories of its employees and their collective farming backgrounds.

“Our partnership with Lee Brice personifies what we are all about at Case IH—we celebrate the hardworking producers whose perseverance is like no other,” says Kurt Coffey, Case IH vice president of North America. “Our work with Lee not only brings the recognition farmers deserve, but also showcases the importance of the agriculture industry and its impact on every single person in North America.”

BUSY SONGWRITER

Brice is a recording artist with Curb Records. When he’s not selling out arenas, writing and recording songs, or building new brands like American Born whiskey, he spends time with his wife, Sara, and their two young boys and a daughter.

Brice has seen major success in the digital music world with more than 3.7 billion on-demand streams and more than 3.6 million spins on Pandora.

Recently, Brice reached No. 1 at



A FIRST FOR BOONE: Lee Brice will be back at the Farm Progress Show, but this time in Boone, which is a first for the site. Brice’s powerful song “Farmer” was launched at the Decatur, Ill., show in 2021. The concert starts at 5:30 p.m. Aug. 31, and is included in the price of the Farm Progress Show ticket. PHOTO BY HOLLY SPANGLER

Country Radio with “Memory I Don’t Mess With,” which follows three prior No. 1 songs. His catalog includes such songs as

“One of Them Girls,” “I Hope You’re Happy Now” with Carly Pearce and “Rumor,” which was nominated in the category of Single of the Year at the 55th Annual American Country Music Awards.

His digital success has eclipsed many, and Brice was the second artist behind Keith Urban to receive the Pandora Billionaire plaque. At the 56th ACM Awards, “I Hope You’re Happy Now” won Single of the Year and Music Event of the Year, and Brice and Pearce performed the song live.

General admission tickets to the Farm Progress Show on Aug. 31 include entry into the concert.

The event kicks off with the opening act by Tim Montana, who has penned songs with the likes of Kid Rock and ZZ Top’s own Billy F. Gibbons. He’ll get the crowd going for Brice to take the stage.

The concert stage is located on the southeast corner of the showgrounds.



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2022 Exhibitor List

EXHIBITOR	BOOTH
12-D Construction, LLC.....	VIT9810
20 Mule Team Borax.....	VIT9518
360 Yield Center.....	334
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ALTA / SPAC.....	VIT9610
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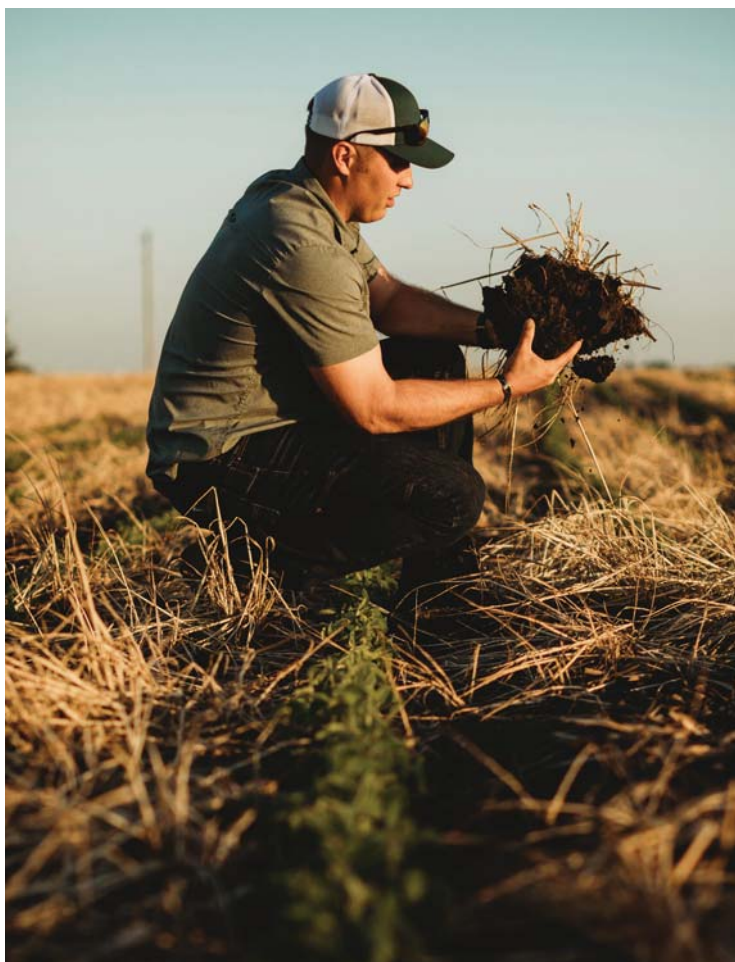
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- Greg Woll, Indiana, Carbon by Indigo farmer

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Looking for seat time behind wheel?

BY WILLIE VOGT
@WILLIE1701A

A STATIC DISPLAY of new machines you haven't ever seen, or want to get closer to, makes an outdoor farm show special. Roll in the field demonstrations where you can see machines at work, and that's a bonus. But what about the opportunity to get behind the wheel of a new machine and test it yourself?

For 2022, the Farm Progress Show Ride 'n' Drive area, located on the east side of the showgrounds near tram loading and next to the autonomy demonstrations, will be a popular place this year. Farmers who make their way to that side of the showgrounds will have a chance to experience a range of new machines and technology.

Case IH announced the Patriot 50 sprayer series late in 2021, and the machines will be hitting the field later this year. Farmers visiting the show cannot

only see the new sprayer, but also get some seat time.

The company started fresh with the sprayer and redesigned it from nose to boom. From a new cab using the same shell as the Steiger tractor to a familiar control layout common to other machines in the Big Red line, the Patriot 50 sprayer brings plenty of new features to the market.

The machine got a 17% boost in material flow providing the ability to drive faster and apply product at a higher rate. If you've got questions about this new sprayer, visit the Ride 'n' Drive area.

AUTOSTEERING VEHICLE

The utility vehicle has become a fixture on a lot of farms, often replacing the pickup for getting chores done. And each year UTV makers raise their game, bringing new tools and tech to check out.

John Deere recently announced two

new machines, both of which will be in the Ride 'n' Drive area — the AutoTrac Ready Gator and new Signature Gator.

The AutoTrac Ready full-size Gator UTV has AutoTrac-assisted steering in a smaller, more nimble machine. With this tech, farmers can get help with precise grid sampling, spraying and field boundary creation.

The Signature Edition Gator, introduced earlier this year, will also be available. This automotive-inspired vehicle has leather seats, an integrated touchscreen "infotainment" system and high-end audio.

PLENTY MORE ON HAND

Beyond the Deere area, farmers will find Chevy trucks, including the upgraded Silverado. Seat time in these new trucks offers you a chance to learn more about the features these working vehicles offer.

Agco will have equipment in the Ride 'n' Drive area, too. The company has



SIGNIFICANT UPGRADE: The Case IH sprayer series is all new, and the Farm Progress Show is a great place to get up close and personal with the machine, which will be available in the Ride 'n' Drive area. PHOTO COURTESY OF CASE IH

launched a range of new tools, and this is an opportunity for farmers to check those out from behind the wheel.

Manufacturers were still locking in what machines they would have on hand for the show, so make the trip to the east side of the showgrounds to check out what's available.



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BEAT THE LINES: Lines can get long when mealtime arrives at the show. Best bet is to consider a stop a little later or a little earlier to avoid most of the crowd. But you'll find some tasty choices when you arrive at one of the four food courts at the show. PHOTO BY HOLLY SPANGLER

Menus offer big selection

A WALK AROUND the show site can give a visitor quite an appetite, but the good news at the 2022 Farm Progress Show is you'll have plenty of choices when mealtime arrives. And eating at the show also supports several local groups that help make your show meal possible.

Veteran attendees know hitting the food stands a little early or a little late can be a time-saving idea by avoiding the long lines midday. While those volunteers move fast to get people through the line, big crowds happen.

You'll find that each food stand has

NORTHEAST AND SOUTHWEST QUADRANTS

The menus at these locations are the same. The Northeast Court supports the Des Moines chapter of the Barbershop Harmony Society and Harmony Central Chorus, a member of Sweet Adelines International. The Southwest Quadrant supports Faith United Methodist Church of Webster City.

Entrees

1/3-pound cheeseburger.....	\$9
Boneless pork chop sandwich.....	\$9
BBQ chicken breast sandwich.....	\$9
Pulled pork sandwich.....	\$9
Loaded Pit-Tatoes.....	\$10

Side items

Pit-Tatoes.....	\$5
Potato chips.....	\$3

Ice cream

Drumstick.....	\$4
Ice cream sandwich.....	\$4

Breakfast

Coffee, 12 oz.	\$3
Sausage gravy and biscuit.....	\$7
Bacon and egg scramble with biscuit.....	\$7

Beverages

Pepsi, Diet Pepsi, Mountain Dew, Diet Mountain Dew, Sierra Mist, Blue Raz Gatorade, Fruit Punch Gatorade, Grape Gatorade.....	\$4
Water, 20 oz.	\$3

Ice

Bag of ice, 20 pounds.....	\$8
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some variety, so check out the menus here as you plan your visit.

"We've long supported volunteer groups with our food stands at the show," show manager Matt Jungmann says. "It's one way that communities benefit when

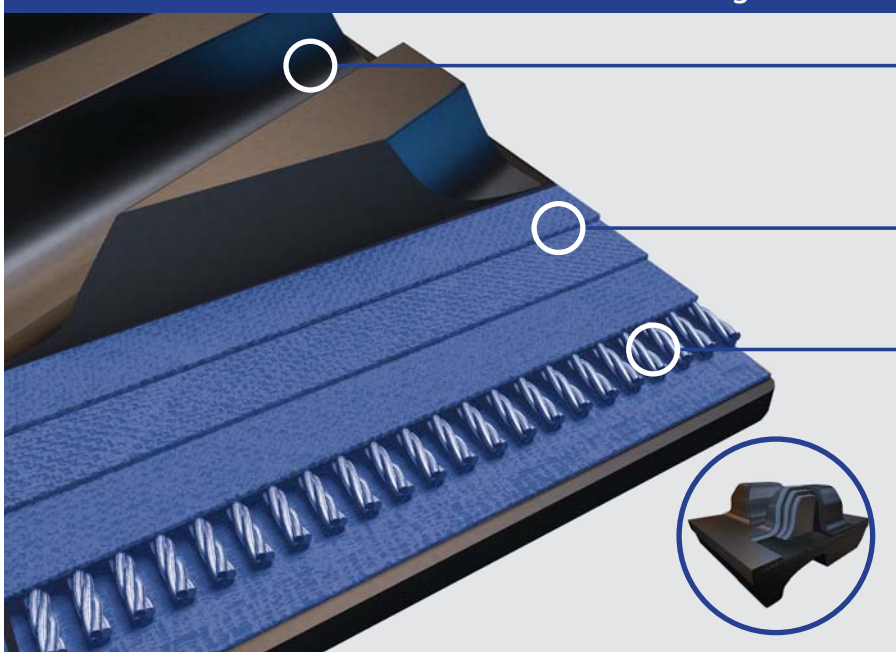
the show comes to town. And sometimes we even see a little competition between the stands for which menu item becomes a favorite."

Check out the menus on these two pages to see what the groups are offering.



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NORTHWEST QUADRANT

The Boone County Pork Producers will be staffing the Northwest quadrant, and the group is bringing some variety to the menu.

Entrees

- Bratwurst..... \$7
- Boneless pork chop sandwich..... \$9
- Pork burger..... \$9

- Pulled pork sandwich..... \$9
- Loaded Pit-Tatoes..... \$10

Side items

- Pit-Tatoes..... \$5
- Potato chips..... \$3

Ice cream

- Drumstick..... \$4

- Ice cream sandwich..... \$4

Breakfast

- Coffee, 12 oz..... \$3
- Sausage gravy and biscuit..... \$7
- Bacon and egg scramble with biscuit..... \$7

Beverages

- Pepsi, Diet Pepsi, Mountain Dew,

- Diet Mountain Dew, Sierra Mist, Blue Raz Gatorade, Fruit Punch Gatorade, Grape Gatorade..... \$4
- Water, 20 oz..... \$3

Ice

- Bag of ice, 20 pounds..... \$8

SOUTHEAST QUADRANT

Ogden Youth Ministries runs the food court in this location, bringing in some special local flair as well with a sandwich from Hickory Park. Check out the group's menu.

Entrees

- Hickory Park pulled pork sandwich.. \$9
- 1/3-pound cheeseburger..... \$9
- Chicken sandwich..... \$9
- 1/4-pound hot dog..... \$7
- Meal (sandwich, chips, drink)..... \$15

Side items

- Potato chips..... \$3
- Cookie..... \$1

Breakfast

- Biscuits and gravy..... \$7
- Sausage, egg and cheese sandwich..... \$7
- Cinnamon roll..... \$3
- Coffee, 12 oz..... \$3

Beverages

- Pepsi, Diet Pepsi, Mountain Dew, Diet Mountain Dew, Sierra Mist, Blue Raz Gatorade, Fruit Punch Gatorade, Grape Gatorade..... \$4
- Water, 20 oz..... \$3

Ice

- Bag of ice, 20 pounds..... \$8

K. CHING CHING/BETTY IMAGES

BOONE COUNTY CATTLEMEN

Here is another menu option in a different location near the concert site at the intersection of 11th Street and South Avenue.

- Meal (steak sandwich, chips, drink)..... \$15
- Rib-eye steak sandwich..... \$10
- Chips..... \$3
- Pop..... \$4
- Water, 20 oz..... \$3

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Quick look at key services

WHEN THE GATES open at the Central Iowa Expo for the 2022 Farm Progress Show, the first since 2018, it's like firing up a new town for the first time.

This miniature city comes with parking, public transportation, emergency services, air-conditioned restrooms, food and various other services. Check out this list to find out more:

Airport transportation. The Boone Municipal Airport is 2.5 miles west of the show site. The Ames Municipal Airport is 8 miles to the east. Both offer a free shuttle service to and from the show. From Boone, no reservations are necessary; from Ames,

reservations are required.

Show office. The office is in the Administration Building outside the grounds at the south end of Sixth Street (Gate 6) on the south side of the exhibit field.

First aid. First-aid stations are located at each end of Sixth Street. Just inside Gate 1, you'll find an air-conditioned first-aid trailer from Boone County Ambulance. At Gate 6, first-aid service is set up in the Administration Building. And first-aid support is on the showgrounds throughout the day for quick response.

Restrooms. Restrooms are located outside the entrances and within the four food court complexes at the center of each quadrant of the exhibit field — these are easily found by looking for the tall light poles located at the center of each quadrant. The northeast and southeast restroom facilities are permanent, air-conditioned buildings. See the map at the center of this program for more information.

Lost children. If you lose a child, check the nearest first-aid station, information booth or show office. See the map at the center of the program.

Lost and found. And lost items will be

brought to the show office.

Information booths. These one-stop shops offer you information not covered in this program, or can help with last-minute changes to each day's events. They are located at the entrances on either end of Sixth Street, as well as three locations on Central Avenue.

Handicap parking. The edge of the exhibit field in the North Parking Lot has been designated for handicapped parking.

Golf cart rental. Carts will be available on a first-come, first-served basis. You can reserve a cart in advance by contacting M&M Golf Cars LLC at 573-581-8188 or email rentals@mmgolfcars.com. Golf cart policies can be found on Page FPS32.

Security. Security is provided for visitors and exhibitors. These uniformed individuals will ensure your safety and that of the exhibits. However, individuals found to be in violation of laws or vandalizing exhibits will be prosecuted.

Parking. Parking for all vehicles is adjacent to the show site. Remember the row of the lot where you park. It will make locating your vehicle a lot easier at the end of the day. Farm Progress is not respon-



MINI CITY: The Central Iowa Expo is almost like a city in itself.

sible for damage to vehicles.

Food and beverages. Food and beverages are offered for sale at the food courts located in each of the four quadrants on the grounds, and near 11th Street and South Avenue. You can check out menus for each food location on Pages FPS48-49.

Admission, show times. Admission is \$20 for adults, \$10 for ages 13-17, and free for ages 12 and younger. Discounted adult tickets (\$15) are available at FarmProgressShow.com. A schedule of events are found on Page FPS35.

Show hours are from 8 a.m. to 5 p.m. Aug. 30-31, and 8 a.m. to 4 p.m. Sept. 1.

Transportation. Trams to and from corn harvest and tillage demonstrations run from 10:30 a.m. to 3 p.m. Trams will load on the east end of the showgrounds. See the map at the center of this program.

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THE FARM PROGRESS Show appreciates the help and support from the following companies that have donated equipment and services, as well as state and local agencies that have provided assistance.

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- Boone County Convention & Visitors Bureau
- Boone County Chamber of Commerce
- Boone County Roads Department
- Boone County Sheriff
- Boone County Hospital
- Boone County Emergency Management
- Boone Municipal Airport
- Case IH
- Central Iowa Expo
- City of Boone Fire Department
- City of Boone Police Department
- DigiFarm
- FS Growmark – Star Energy
- Grinnell Mutual
- Iowa Department of Transportation
- Iowa Soybean Association
- Iowa State University
- Iowa State Patrol
- John Deere
- Landus Cooperative
- Loftness Specialized Equipment
- Pioneer
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You can also catch segments on **This Week in Agribusiness** airing on RFD-TV, Saturdays at 7 am, Sundays at 5 am & 9:30 pm, & Mondays at 5:30 am, CST

After October 3, 2022 view **Best of Farm Progress Show** at FarmProgressAmerica.com and FarmProgressShow.com

RFD-TV channel is available on DIRECTV, DISH Network, Mediacom, NCTC and many additional satellite and cable systems.



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INFORMATION

- Events Building located outside Gate #6
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FEATURED SPEAKER:

Secretary of Agriculture, Mike Naig
August 30 - 10 am

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And if you're at the show on Aug. 30 or 31, swing by to hear from U.S. agriculture officials.

VISIT FOR A SPELL

Here's more information on everything you can do inside the hospitality area:

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Check subscriptions. If you're wondering how much time is left on your subscription or want to purchase a subscription to Wallace Farmer or additional Farm Progress publications, you can do that during your visit to the Hospitality Tent.

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ONE TO ONE: “The Noon Show” host Max Armstrong interviews Iowa Gov. Kim Reynolds at a past Farm Progress Show in Boone.

information counter for \$5 each, while supplies last. Souvenir show T-shirts, hats and more are available for purchase, too.

Stay informed. Get market updates with “This Week in Agribusiness” and Farm Futures, catch “The Noon Show” live, hear from U.S. agriculture officials, and see your favorite social media celebrities in person.

Get connected. Log on to the Farm Progress Wi-Fi to enter the sweepstakes, check commodity prices, or register for newsletters and online publications. Also, download the 2022 Farm Progress Show app and sign up for show alerts to stay up to date with event happenings. Text FPS to 20505 today to register.

Sit back and relax. The Wallaces Farmer Hospitality Tent offers a shady spot and benches for your group to rest and enjoy informative programs. The area also has a sandbox to keep the kids entertained, so you can sit back and enjoy the show.

Learn ATV and tractor safety. Learn how to drive an all-terrain vehicle safely to prevent rollovers. An interactive display demonstrates the physical forces that can create ATV hazards, such as load imbalances and other influences that make an ATV top-heavy and a rollover risk. Check out the display of rollover protective structures for tractors, too.

ADM Stage Schedule

TUESDAY, AUG. 30

8 – 9:30 a.m.
Best of Farm Progress Show

10 – 10:45 a.m.
Farm Futures market update

Noon – 2 p.m.
“The Noon Show”

2 – 3 p.m.
Governmental affairs

WEDNESDAY, AUG. 31

8 – 9:30 a.m.
Best of Farm Progress Show

10 – 10:45 a.m.
Farm Futures market update

Noon – 2 p.m.
“The Noon Show”

2 – 3 p.m.
Governmental affairs

3 – 5 p.m.
“This Week In Agribusiness”

THURSDAY, SEPT. 1

10 – 10:45 a.m.
Farm Futures market update

Noon – 1 p.m.
“The Noon Show”

1 – 3 p.m. Social media celebrities



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Tractor walks on water

BY WILLIE VOGT
@WILLIE1701A

AT THE RETENTION pond on the east side of the Farm Progress Show grounds in Boone, there's a gravel ramp. It's not for launching a boat. It's for a tractor, which will show that the right flotation matters in managing soil compaction.

"This is an opportunity for us to start the conversation with the grower about the importance of flotation in their field," says Jeff Miller, marketing communications adviser at Trelleborg Wheel Systems. "And we're offering this extreme example. This is in no way a practical application; this is just fun."

The fun he refers to is a floating tractor, and Mitas is bringing back that demonstration project again to the Boone site.

Managing tire size and air pressure can help farmers reduce compaction in the field. This floating tractor pushes the idea

to the limit. Miller says the idea originally came from Europe, but in that demonstration, they didn't use large enough front tires as they were not produced yet.

"They had to put supplemental flotation on the front of the machine," he says. "When we did this in 2018, we decided to make it happen with just tires."

DRIVING ON WATER

Matt Jungmann, national events director at Farm Progress, got some seat time in the machine in 2018. "It's a little unnerving to see water come up to the doors," he says. "When you enter the water, you sink in until the tires float. Then you're on water."

One thing Jungmann learned is how to steer a tractor on water — not something every farmer has to deal with. "You use the brakes," he says. "Push the right brake and the left wheels keep spinning, and you turn right. It's that simple."

The tractor will hit the water on the



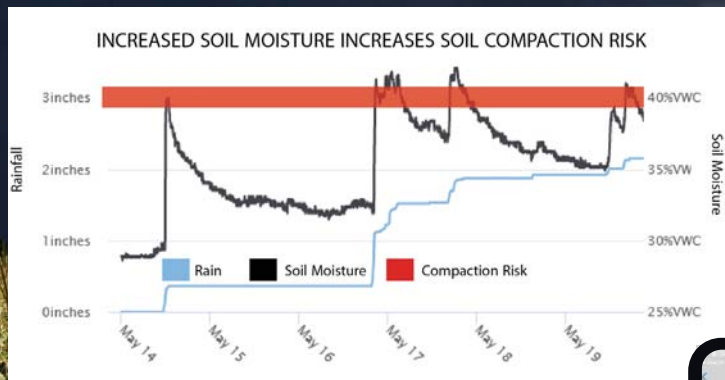
WATER WALKER: The Trelleborg/Mitas demonstration of a floating tractor at the Farm Progress Show returns for the 2022 event in Boone. The idea is to show that the right flotation matters in managing soil compactions.

hour during the show, "driving" for a short time before heading back to land. Visitors who saw this in 2018 noted there was no mud stirred up and the machine was indeed floating.

"It's a demonstration about having the

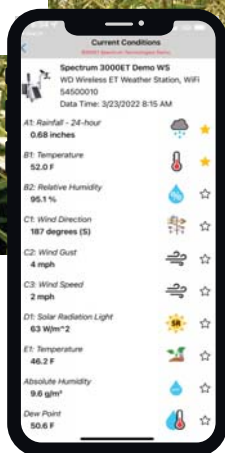
right tires in the right application, and we all know the importance of flotation," Miller says. "It can reduce compaction, increase yield and increase profits. We have a full line of VF tires to help farmers with their flotation."

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CHAD COLBY

2023 show returns to Decatur, Ill.

THERE ARE TWO major things to remember about the Farm Progress Show, and they're important if you want to be at the right place on the right days.

First, the show always runs the Tuesday through Thursday before Labor Day weekend. Second, the show rotates between Boone, Iowa, in even years and Decatur, Ill., in odd years. Remember those two things and you won't miss a show.

The first Farm Progress Show on the Decatur site was in 2005. First year for Boone was 2008, and since then, the rota-

Mark future show dates

2023	Decatur, Ill.	Aug. 29-31	2026	Boone, Iowa	Sept. 1-3
2024	Boone, Iowa	Aug. 27-29	2027	Decatur, Ill.	Aug. 31, Sept. 1-2
2025	Decatur, Ill.	Aug. 26-28	2028	Boone, Iowa	Aug. 29-31

tion has been consistent. Of course, the pandemic took out the 2020 show, but the even-odd cycle has continued.

The 2022 show is an opportunity for farmers to see a wide range of new ideas,

tools and technologies to deploy on their farms. But when the gates close on Sept. 1, it's time to turn east toward Decatur.

And as the last tent comes down, and the last machine moves off the Boone site,

RETURN TO DECATUR: In 2023, farmers can head for Progress City in Decatur, Ill., to take in the newest ag technology. The show has been on this site, in odd years, since 2005.

planning will start in earnest for 2023.

The show will again be hosted by Progress City USA, located 1 mile south of Interstate 72. Check out the dates here for 2023 and beyond, and mark your calendar. For the Decatur event, sponsoring publications are *Prairie Farmer* and *Indiana Prairie Farmer*.

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State patrol officers to help keep traffic moving

BY JENNIFER CARRICO
@JENNCATTLEGAL

EACH YEAR THE traffic flows into the Farm Progress Show grounds during its three days. Getting over 20,000 vehicles in and out per day can be a challenge, but safety is the No. 1 goal for the Iowa State Patrol.

“We will have 35 officers helping get traffic moving safely and smoothly to the event,” says Sgt. Corey Champlin with the Iowa State Patrol. “We want everyone to realize the more aware they are about their surroundings, the better it will all go.”

The patrol works with surrounding agencies, Farm Progress Show representatives and the Iowa Department of Transportation to ensure all attending get in and out of the show safely.

PAY ATTENTION

Champlin says the busiest time is the first two hours of the morning when all of the exhibitors are trying to get to the show to man their booths, and farmers are trying to get there to take in all the show has to offer.

“If you come early, be patient. Make sure you have your seat



ACRES OF PARKING: About 20,000 to 25,000 cars per day come to the Farm Progress Show.

belt on and your phone is not in your hand,” he adds.

Delays are expected in the early-morning traffic, as well as when everyone starts to leave in the evening. While it is easy to grab your phone to pass the time in traffic, he warns this is often when accidents and fender benders happen, which will slow

down traffic even more.

Close to the showgrounds is the United Community School, and Champlin says to take extra caution in that area when school buses and traffic are turning in and out of the school grounds. An officer will be on hand to help students and staff get in and out safely.

“We are there to help get drivers where they need to go,” he says, adding that drivers need to continue in the direction they’re sent to reach their destination.

DETOUR AND REROUTING

North of the Farm Progress Show grounds on Highway 17, the bridge over the railroad tracks

will not be completed by the time of the show. The detour around that area is well marked and easy to follow.

Champlin says there will be an extra lane of traffic into the grounds, which will also be well marked for travelers. Digital signs will provide any last-minute information for drivers.

“We suggest listening to local radio stations [WHO radio] for traffic updates, especially in the morning hours, and visiting the website to check for any extra information before traveling to the show,” Champlin says.

Traffic updates are expected on WHO radio around 6:30 a.m. and 8 a.m., and again in the late afternoon to get everyone in and out of the show quickly and safely.

“If weather permits, we will have one of our aircrafts monitoring traffic from above,” he says. “That way we can make necessary adjustments more quickly to help traffic flow.”

Parking will be marked with signs, and officers will help direct attendees into the proper areas from all directions.

For more information regarding traffic and parking, visit FarmProgressShow.com.

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Polaris to be official off-road vehicle

BY WILLIE VOGT

@WILLIE1701A

IT TAKES MORE than 25 utility vehicles to transfer staff and parts during the Farm Progress Show. And for 2022, Polaris will supply the official off-road vehicles for the Farm Progress Show.

“Polaris has been a longtime supporter of Farm Progress events and looks forward to being able to connect with our customers at these events each year,” says Chris Judson, vice president of ORVs at Polaris.

He says the Polaris brand is trusted by farmers, ranchers and homeowners, so “it is a natural fit for us to support Farm Progress events with our vehicles.”

He says the Polaris ORVs are up to the task in pulling off a big event like the Farm Progress Show, with the ability to haul heavy loads and offer comfort to make long work days feel shorter.

RANGER XP 1000

Polaris is known for its full line of all-terrain and utility vehicles, and visitors will see different models and types of Polaris ORVs on the grounds. But one model that will be prominent is the RANGER XP 1000.

Featuring a 999-cc ProStar engine cranking out 82 hp for class-leading towing, payload and box capacity, the RANGER XP 1000 can handle big chores.

And its cargo box was designed with farmers in mind. “The cargo box lets you haul a class-leading 1,000-pounds and is designed to perfectly fit four 5-gallon buckets across a single row,” Judson says.

And show staff will experience some comfort, too. The RANGER XP 1000 has a tilt steering wheel, contoured seats with back bolsters and plush seat cushions.

In addition, the machine provides 13.5 gallons of built-in storage for essentials and multiple cup holders for all your beverages.

During operation, users can decide just how best to work with the three-position, user-selectable throttle control with Performance, Standard and Work modes, to optimize power for the task at hand.

For visitors thinking about a new utility vehicle, Judson points out you can upgrade to the RANGER XP 1000 NorthStar Edition with a factory-installed Pro Shield Cab system with heating and air conditioning. That model also features a standard 3,500-pound winch, which comes in handy for a lot of tasks around the farm.

Most of the show site is groomed or concrete, but in the field and over rough terrain, the RANGER XP 1000 shines. The machine is designed to fend off rocks, stumps and rough terrain with a rigid one-piece chassis, full-body skid-plate and a massive front bumper for added protection. Also, new 27-inch, eight-ply Pro Armor X-Terrain tires provide better puncture resistance and durability.



COURTESY OF POLARIS

UTILITY WORKHORSE: Visitors to the Farm Progress Show will see staff at work using Polaris off-road vehicles, the show’s official ORV. The fleet during the show will showcase the RANGER XP 1000.

MAKE IT YOUR OWN

Accessories can help buyers of the RANGER XP 1000 customize the machine for specific tasks. Polaris Engineered Accessories are designed for seamless integration so you can get work done year-round.

A few options Judson suggests include the Polaris Pro HD winch for easy removal of fence posts, tree stumps and more. And you can transport all the tools and materials you need by maximizing storage capabilities with a Rhino-Rack rear cargo bed and roof rack solutions.

You can check out all these features and more by visiting Polaris at Lot 902 at the 2022 Farm Progress Show.



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Wyffels continues tradition at opening ceremonies

BY WILLIE VOGT

@WILLIE1701A

KICKING OFF A big show with music can set the tone for the day, and since 2017, Wyffels Hybrids has greeted attendees just before the gates open with entertainment and information. And the tradition continues in 2022 when Wyffels invites you to “Plant Your Independence.”

The family-owned seed business is bringing back the Iowa State University Marching Band on Aug. 30-31, and the band will play the national anthem before the show opens. Opening ceremonies start at 7:30 a.m.; gates open at 8 a.m.

Also, farmers can learn more about an update to a program Wyffels started in 2019 — Serving Those Who Served. Its goal is to support organizations whose mission is to serve others, such as Homes for Our Troops, where a fourth home will be completed this fall in the Midwest.



FAMILIAR SIGHT: Farm Progress Show attendees will see the familiar Wyffels banner where opening ceremonies will be held each day.

In 2023, Wyffels will partner with Farm Rescue, a nonprofit that helps families dealing with crisis due to illness, injury or national disasters. The group provides the support those individuals need to get work done such as planting, harvesting or feeding livestock.

Wyffels will support Farm Rescue by bringing attention to the organization, which has helped over 1,000 farm families



PHOTOS BY HOLLY SPANGLER

THEY'RE BACK: When the Farm Progress Show was last held in Boone, the Iowa State Marching Band was on hand. The band is returning for opening ceremonies on Aug. 30-31.

in the northern Corn Belt. However, the group is not well known in Iowa and Illinois.

“We’re a U.S. farm family-owned business based in Illinois, and we’re in touch with farming communities unfamiliar with Farm Rescue,” says Jill Carlson, communications manager at Wyffels Hybrids. “Through Wyffels employees, seed representatives and customers, we’ll be the

first to hear about farmers in need in local communities.”

Wyffels will also team up with Farm Rescue to help find volunteers. The more volunteers found in the Corn Belt, the more help Farm Rescue can provide.

“From throwing bales to running a combine, Farm Rescue needs volunteers they can call on to provide assistance. We can help build their volunteer network,” Carlson says. “We will ensure volunteers have financial support to share their experience and skills with farmers in need.”

As a family-owned seed company, Wyffels has long supported farm independence. For 2022, the company is ramping up the effort.

“We’re challenging corn growers across the central Corn Belt to make a statement with their seed brand choice,” Carlson says. “When you plant Wyffels, you’re choosing independence. You’re choosing a farm family-owned source.”



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A look back at classic machines

BY WILLIE VOGT
@WILLIE1701A

IT SEEMS SOMETIMES that farm technology is moving at an amazing pace, but what about the days when farmers left horses for iron? The pace of change back then was perhaps a little slower, but the widespread move to iron was unprecedented at the time. And visitors to the Farm Progress Show can relive some of those halcyon days by visiting Classic Tractor Row on the southeast side of the showgrounds.

This display, populated by several vintage tractor organizations around the state of Iowa, involves opening the space to the groups and their members.

“We don’t know what we’re bringing,” says Barry Grant, Central Iowa Tractor Club. “Our club shows, and its members display all makes of tractors.”

He explains that visitors likely will see Allis-Chalmers, International Harvester,

Farmall and John Deere. It’s a varied display, and each member can decide what they’ll load up to bring to the show.

Grant adds that many of his club members have another job as well: “Our club helps with driving the trams.”

He adds that it’s nice to bring a tractor to the show and spend time with other club members. They get some good time together reminiscing about the good old days. “I’m an old Iowa farm boy, and the change we’ve seen in the technology, including electronics, precision planting and spraying stuff, amazes me,” he says.

SUPPORTING 4-H

The Iowa Chapter for the International Harvester Club has members that bring tractors, but the group is also involved in other projects as well. “We won’t know who’s coming to Farm Progress before the Iowa State Fair,” says Jerry Wessels, Iowa Chapter 5.

The group works with 4-H at the fair, awarding up to \$5,000 to 4-H as grants. Wessels notes they support all different kinds of classifications at the fair.

And some of those 4-H winners come to Boone to be on display in Classic Tractor Row, Wessels says. “We finish the lot out with machines from our own members that have done projects in the last year,” he adds. The IH Iowa Chapter has more than 500 members, many involved in the state fair. “It’s a great deal,” he adds.

A LITTLE MYSTERY

No club or group Farm Progress contacted was able to lock in what might be on hand, which creates a little excitement for everyone involved. What will members decide to load up and bring to Boone? That creates interest for club members involved in shows, who benefit when they show and see what appears.

Dave Struthers, with Iowa Cornbelt



LOOKING BACK: Don’t call them antiques. These classic machines are an important part of the march of agricultural progress, and will be on display on the southeast side of the show site.

Oliver, says his group isn’t sure what it will bring to the show, but it will be a solid variety of tractors and implements.

“My father was a Master Farmer a few years ago, and they had him on the cover of Wallaces Farmer. He collected mounted corn pickers, and that tractor will be at the show,” he says.

The aim for the Oliver group is to get a variety of tractors and implements. More farmers are using vintage machines to do some work, raising popularity for seeing classic machines work a plow, pick some corn or take on some other chore, Struthers adds.

So end the mystery, and make your way to Classic Tractor Row to see what these clubs have loaded up to share with visitors.

Sneak Peak: 10K/Tempo Planter Project



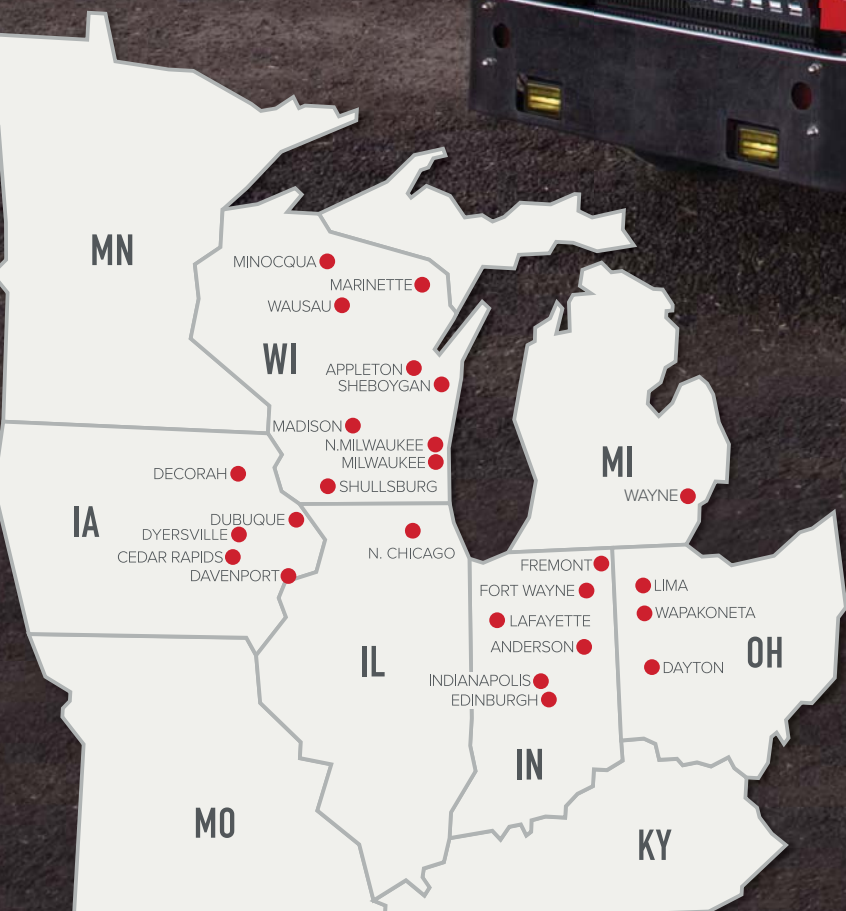
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Smartphone app helps producers ID insects, form treatment plans

BY CHRIS KICK

SCOUTING FIELDS FOR insect pressure is a necessary — although sometimes daunting — task involved with producing a crop. Thanks to the artificial intelligence technology being developed by Iowa State University, crop scouting is on the way to becoming a lot easier and more efficient.

Arti Singh and her team of AI and crop experts are planning to release a beta version of a phone app at this year's Farm Progress Show, capable of identifying insects based on a photo. What's more, the app can also tell the user whether the

insect is beneficial or a pest, and if it's a pest, what species it is. The released version of the app will also tell which stage of life the insect is in, and how to mitigate it.

Singh, an assistant professor in agronomy at Iowa State, has spent her entire career in plant breeding, diseases, genomics and phenomics. Even so, she says identifying and understanding insects can be complex.

"Insect are reported to have the largest total biomass of terrestrial animals and over 90% of animal life form on Earth. I often see an insect, but I don't know whether it's beneficial or a pest due to sheer huge



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ment, versus a whole-field treatment.”

In addition to the time and labor savings, farmers using AI can potentially save on the amount of pesticide used and the unintended consequences of pesticide use, including drift.

Singh and her team have been working on the technology for the past several years, and a preview was offered at the 2018 Farm Progress Show.

Her research has continued, and she has been awarded some prestigious grants

to further develop and perfect the use of AI for pest management.

Singh says farmers have generally been appreciative of AI technology and how it can improve the work they do on the farm.

She says there has been some skepticism as to whether robots can treat pests in large fields, like those found in Iowa, but she is confident the technology can work on a large scale, especially when multiple robots are used, and when they operate day and night.

A team of robots is much lighter on the soil than traditional agricultural equipment, she says, and because robots are only going where they are sent, they do not necessarily need to travel the entire field.

“I’m working on something that at the end of the day, I believe is going to be useful for the farmer,” Singh says. “The interest from farmers is strong, and the demand for AI in agriculture continues to expand.”

number of insect species, and like a lot of people, I get worried and assume it needs to be killed, but this is not always true,” she says. “The producer needs to be able to differentiate between which insects are good and bad, to save time and money in the field, and this becomes even more important in the case of new crops.”

TECHNOLOGY HELPS FARMERS

The phone app is being trained to recognize and distinguish more than 1,000 different insect species, making it useful not only in Iowa and other states, but also in countries across the world.

Singh and her team are pairing the phone app with other forms of AI, including unmanned aerial vehicles (UAVs or drones) and in-field robots, with the goal of synchronizing the crop scouting process and essentially allowing AI to do the work.

The vision of her team is to use drones for an overhead, broad view of fields to determine if and where insects are present, and when areas of damage are detected, the robots are sent into the field to identify the insects and provide spot-specific treatments of pesticide.

“The robot can work in small fields with specialty crops or large fields with conventional crops,” Singh says. “Rather than scouting and treating the whole field, we are focusing on the individual plant level. We are trying to give a personalized treat-



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Weed seed destructor, other control methods showcased

CONTROLLING WEEDS IN farm fields is an annual challenge — especially with more weeds becoming resistant to herbicides. Fortunately, producers have a wide range of options to counter weeds, including some creative ways that may not have been employed in the past.

At this year's Farm Progress Show, Iowa State University Extension and Outreach will showcase one of the more innovative and practical methods of controlling weeds: a weed seed destructor.

Fitted to a combine, the weed seed destructor does what its name implies. It pulverizes and destroys seeds so that they cannot germinate.

The weed seed destructor (Redekop) will be attached to the back of a John Deere S680 combine and will be available for viewing outside of the ISU Extension and Outreach tent.

While the machine will not be operating during the show, visitors can see it in operation on a computer screen, and they can

ask questions of weed science experts.

"We want to give the public a chance to see and ask about this innovative form of weed control technology," says Prashant Jha, professor and Extension weed specialist at Iowa State. "Farmers in central Iowa and in Harrison County are already using this technology, and we expect more will do so in the coming years."

ALTERNATIVE METHODS

Other methods of weed control will also be featured, including videos of chaff lining, a method that guides the harvested chaff into narrow bands as it flows out the back of the combine at harvest, which reduces the spread of weed seeds by more than 95% across fields and contains weed seeds in smaller spaces.

The harvester or combine is modified with a baffle that separates the chaff (containing the majority of weed seeds) from the straw. The chaff is directed into narrow central bands using a chute at the rear of the combine.

Weed seeds in the chaff are subjected to decay, and burial of small-seeded weed species such as waterhemp in the chaff will potentially result in reduced emergence in the subsequent growing season. High application rates of herbicides or shielded sprayers can be used to selectively control emerged weeds in those narrow bands in the field.

The weed control display will also allow visitors the chance to test their knowledge of weed specimens found in the Midwest. Sixteen different species will be available for visitors to identify.

Visitors will also have the chance to learn more about waterhemp, and how it can be suppressed using cereal rye as a cover crop.

Photos and sample trays will show the results of using no rye, rye terminated at 4 to 6 inches tall, and rye terminated close to heading.

"We're going to be showing the potential for biomass [cover crops] to suppress weeds like waterhemp, and how the results



SEED DESTRUCTOR: One of the more innovative ways to control weed seeds is with a weed seed destructor. The Redekop seed destructor unit is attached to a John Deere S680 combine. The machine was recently tested in soybean fields with waterhemp infestations in central Iowa.

vary based on the height of the cover crop," Jha says.

RYE HELPS SUPPRESS WEEDS

Cereal rye has the best potential to suppress weeds because it accumulates more biomass than other cover crop species. A study that was done for the Farm Progress Show shows an incremental decrease in waterhemp based on the density of rye.

Field studies indicate cereal rye biomass of 4,500 to 5,000 pounds per acre at termination can significantly suppress waterhemp emergence in soybeans, and reduce the size and density

of waterhemp at the time of exposure to postemergence herbicides.

Additionally, producers can view a map of where herbicide resistance has been documented in Iowa based on the recent survey, and ask questions to Jha and other specialists about their own experience with herbicide-resistant weeds.

Jha will be joined at the show by ISU Extension and Outreach field agronomists Angie Rieck-Hintz, Meaghan Anderson, Gentry Sorenson and Mike Witt, and several weed science graduate students.

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Specialists to discuss latest carbon resources, opportunities at show

BY CHRIS KICK

EMERGING OPPORTUNITIES FOR carbon markets and carbon sequestration have caught the attention of specialists with Iowa State University Extension and Outreach. Everyone from agronomists to economists, livestock specialists and bio-product researchers are on board with the effort to identify new opportunities and define the science of carbon as it pertains to agriculture.

“Carbon” is becoming a useful shorthand to capture many related topics, including soil organic matter, energy effi-

ciency, capture of carbon dioxide from the atmosphere, and reductions in the releases of carbon dioxide and other greenhouse gases.

At this year’s Farm Progress Show, a team of specialists will be on hand to help explain the latest in carbon science and answer questions from the public.

“This truly is an interdisciplinary topic, and the solutions and opportunities are interdisciplinary,” says Jim Jordahl, a project analyst with the Biorenewables Research Laboratory at Iowa State. “We think there’s going to be emerging opportunities in livestock manure management,



ISU EXTENSION

CARBON: Carbon sequestration can lead to a multitude of benefits, including improved soil health, environmental improvements and possible carbon credit payments. Specialists with Iowa State University Extension are exploring the many emerging possibilities.

agronomics and biomass-based fuels.”

The carbon display will feature large computer monitors that explain agricultural carbon markets, how carbon can be

managed on the farm, and the kinds of products that can be made from it.

Jordahl says many Iowans already have some awareness of carbon, but he’s

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Jacqueline Holland
FARM FUTURES
Market Analyst



Ben Potter
FARM FUTURES
Senior Editor

BOOST YOUR MARKETING SKILLS:

Farm Futures grain market analyst, Jacqueline Holland, takes a look at the factors that have led to a wild marketing year so far in 2022.

Holland will join in a discussion with Farm Futures senior editor Ben Potter from 10 to 10:45 am each morning with a session titled “Mastering markets in the year ahead.”

The mini-seminar will also include a look at input costs, farmland value trends and a sneak peek of what to expect in 2023.

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hoping the display will help broaden the public's understanding as to the possibilities and the work being done at Iowa State.

"Our intent is to convey information that we now have about carbon markets and relevant practices for Iowa, and summarize them in a way that people will understand and appreciate," he says.

CARBON WORK

One new product includes a 281-page report summoned by Iowa Gov. Kim Reynolds' Carbon Sequestration Task Force. Released in February, "Carbon Science for Carbon Markets: Emerging Opportunities in Iowa" gives a detailed look at the progress, opportunities and challenges of establishing carbon markets in Iowa.

For those who want something shorter to read, they can check out a short, graphical summary, which gives a synopsis of carbon sequestration, and how agriculture can participate and benefit.

It is estimated that much of the state has lost 50% of its original soil carbon, but through practices such as no-till, extended crop rotations, cover crops, prairie strips and nitrogen management, Iowa is well situated to store carbon and increase its soil organic matter along the way.

"Iowa is uniquely well-positioned to create carbon value," according to the summary report. "We have the advantage of excellent soils and generally have adequate rainfall to produce crops without irrigation."

Carbon credit payments to farmers are only one piece to the puzzle. Good carbon management also often leads to increased nitrogen use efficiency, improved water quality and wildlife habitat.

Carbon can also be captured and turned into useful products such as biochar — an organic product produced by heating biomass from crop residues, wood and perennial grasses. Known as pyrolysis, this heating process results in a product that can be added to fields, gardens or yards as a versatile, long-lasting (centuries or more) soil amendment.

Pyrolysis also produces a thick, viscous liquid known as bio-oil, which can be refined into renewable diesel fuel or bio-asphalt, substituting the need for petroleum-based asphalt. Jordahl says the team will have samples of both products at the show, so visitors can see two practical examples of what can be made from carbon.

The heating is done inside of a machine called a pyrolyzer. The Bioeconomy Institute at Iowa State developed its own demonstration-scale pyrolyzer, which was

recognized in April with a \$1 million award from XPrize Carbon Removal.

AGRONOMISTS TALK SEQUESTRATION

Extension agronomists will also be on hand to talk about how agronomic practices can increase the amount of carbon being sequestered. Field agricultural engineer Brian Dougherty will discuss the agronomic and livestock potential for carbon sequestration.

There will also be copies of a recent

report by Extension economist Alejandro Plastina, which compares and contrasts existing carbon credit companies.

Titled "How to Grow and Sell Carbon Credits in U.S. Agriculture," this 11-page report provides a simple overview of existing carbon credit companies and markets.

"The menu of carbon programs is growing daily, and there are multiple pathways to participate in carbon markets," Plastina says. "We want to showcase alter-

natives, and their implications for farmers' operations."

Staff and faculty from Iowa State will be at the carbon display each day of the show, to help answer questions and explain the latest trends in carbon science.

"We want to get the public to see that carbon science is a moving picture, with a lot of financial support and interest," Jordahl says. "There are next-generation farming practices and products to be aware of, and this is an exciting time for agriculture."

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Learn to identify plant diseases, insect problems

IDENTIFYING WHAT TYPE of insect or plant disease is affecting your crops is a critical part in forming a response. Making the wrong decision can be costly and may have little to no effect on the issue at hand.

In order to help growers improve their identification skills, plant disease and insect diagnostic specialists with Iowa State University Extension and Outreach will have displays of common insects and plant disease issues at this year's Farm Progress Show.

The samples will be based on the current growing season, and while it is still too soon to know exactly which pests and diseases will be most burdensome this year, the specialists are committed to helping show visitors improve their identification skills.

Microscopes will be available, and visitors can get a close-up view while interacting with specialists who study the same insects and diseases on a daily basis.

"Every year is variable as to what we will actually see," says Ed Zaworski, plant pathologist with the Plant and Insect Diagnostic Clinic at Iowa State. "Certain diseases like certain conditions, so we always talk to people about the disease triangle in plant pathology. You need three parts of a triangle to have a disease: the susceptible host, a pathogen and an optimal environment."

SCOUTING IS KEY

While farmers have many choices that can help prevent insect and disease issues, no system is ever foolproof. Good scouting is still key, followed by a prompt response plan when an issue is detected.

"When it comes to crop protection, you want to be proactive instead of reactive, but when something emerges, the next best thing is your response," says Erin Hodgson, Extension specialist in entomology at Iowa State.



ISU EXTENSION

CORN ROOTWORM: Corn rootworm continues to be a significant challenge across Iowa. Specialists with Iowa State University Extension and Outreach can help farmers scout for this pest and design an effective response plan.

"You want to identify what's going on, how widespread it is, and make a timely treatment that's going to protect your yield," she says.

Zaworski and Hodgson will both be at the show, helping producers identify plant health issues and answering questions.

Although experienced farmers usually have a basic understanding of how to identify different pests, the display will allow them to test their skills and learn more about new and emerging pests.

Hodgson says every farmer's situation is different. Some may farm land in multiple parts of the county or state, and rely on crop consultants to diagnose plant health issues. Others do their own scouting or scout cooperatively with family members. No matter the situation or the size of the farm, it's beneficial for everyone to know what to look for and how to accurately identify the issues affecting plant health.

This is the first year for the plant health display at the Farm Progress Show, and the specialists are excited to bring this critical component to the public's eye.

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Got a smartphone? Stay up to date for #FPS22

BY WILLIE VOGT
@WILLIE1701A

LEAVING THE FARM to attend the Farm Progress Show is a big commitment, but these days, thanks to smartphone technology, are you ever really away? Staying connected to markets and weather back home is why many have turned to the latest mobile tools to keep up. And at Farm Progress, we're offering you ways to stay connected while at the big show too.

With all the new tools and technologies that'll be on hand for the 2022 show, you don't want to miss a thing, and thanks to social media you won't have to. And with those same tools, you can be part of telling the story.

The official hashtag for the show is

#FPS22. That's your way to follow what others post on social media and the hashtag you can use for your own posts to join the conversation.

We'll also have social media folks from the Farm Progress team posting to that hashtag throughout the show, highlighting the hot items coming up, or things you don't want to miss. And you can check out what's going on using our social media locations, too. We're on Facebook at "Farm Progress Show," on Twitter at @FPSHow, and on Instagram @farmprogress.

Those are easy ways to see what folks are talking about, and what's new at the show. We'll also deliver news from the show through our Farm Progress Daily social media outlets — follow @farmdaily to catch those posts.



BE SOCIAL: Keep connected through Farm Progress Show's social media platforms.

TWITTER TEAM

And you can keep up on what our on-site team of editors sees, too. Just follow us:

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Health and Safety Tent offers valuable information

BY WILLIE VOGT

@WILLIE1701A

HOW DO YOU feel? Is that a question you've asked yourself lately? When you're visiting the Farm Progress Show, perhaps getting an answer from a third party could be helpful. You'll have that chance at the Health and Safety Tent.

"I like the idea of having a lot of this health and safety education all in one place for people," says Marsha Cheyney, outreach coordinator for the Great Plains Center for Ag Health, based in Iowa City. "In my job, I do a lot of in-person outreach and education. This show offers the chance to reach so many more people."

Cheyney has put together a comprehensive plan for the Health and Safety Tent focused on demonstrations, safety education and more. You can find all of these services on the north end of the northeast quadrant at 37N.

DEMONSTRATIONS ON HAND

"We'll have an ATV Tilt Table in the tent showing what can happen if you get at the wrong angle with a machine," Cheyney says.

In addition, Agribility will be on hand to show ways equipment can be modified to make sure farmers can keep at it if tragedy occurs. They'll be demonstrating a tractor lift system that can help a farm get into the cab to do farm work. And there will be other demonstrations to check out, providing some hands-on insights into key safety and farm health topics.

WELLNESS AND SAFETY INSIGHTS

On the safety education side, visitors will have the chance to connect with a range of support services. "We'll have mental health support resources available for visitors; it's a growing issue in agriculture," Cheyney says.

In addition, there will be information

about grain bin safety and ways to prevent falls on the farm. In the past two years, there have been several grain bin entrapments in the Midwest; getting tips on ways to avoid trouble could pay off for your farm.

"We're also going to have a group on to talk about safety with gas containers," Cheyney says. "The Christopher Alsip Foundation was formed after the family lost a child to the explosion of a portable gas container. They provide a lot of education about that safety."

In addition, there will be presentations about personal protective equipment for use on the farm. This information will focus on the right PPE for specific tasks, including crop protection use on the farm.

PLENTY OF INFORMATION

Cheyney offers this list of topics you can check out during your visit:

- mental health and stress
- suicide prevention

- opioid overdose prevention
- lifts and other modifications to continue farming after a traumatic injury
- gasoline safety education
- railroad safety for farmers
- pesticide safety and worker protection standard information
- Stop the Bleed program
- safe storage for firearms
- foster care information
- hazard mapping
- farmer well-being resources
- grain-handling safety
- falls prevention on the farm
- swine and livestock safety
- infectious and zoonotic disease prevention
- ATV safety

Cheyney says the tent will also have areas where people can take a break with coffee and water available. "It's a place to pause from all that walking," she adds.



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Improve monarch habitat with helpful resources

BY CHRIS KICK

FARMERS, GARDENERS AND anyone with interest in helping monarchs thrive can get involved with the resources provided by Iowa State University Extension and Outreach. At this year's Farm Progress Show, specialists from Iowa State University and USDA will discuss recent efforts

to increase the population of this essential pollinator and resources to improve its numbers in the future.

The eastern population of monarch butterflies is holding steady, according to a report released in May by the World Wildlife Fund, which indicated a slight increase.

Scientists in Mexico reported a 35%



MONARCH: Pollinators play a critical role in Iowa agriculture and plant health. A big part of increasing pollinators is increasing their habitat.

increase in inhabited area, compared to last year. While this is good news, Nicole Shimp, program specialist with the Iowa Monarch Conservation Consortium, says there's still a long way to go.

"This is significant news, given the population saw a decrease last year," Shimp says. "We are celebrating this news and hoping the trend can continue. Sadly, we still have much more work to do before the monarch population can be considered sustainable."

The monarch is currently under consideration for listing as a threatened or endangered species by the U.S. Fish and Wildlife Service.

USFWS recommends continued implementation of voluntary conservation, with a decision on listing to come in 2024.

DISPLAY

Shimp and the team will display live monarch caterpillars and butterflies, while answering questions from visitors about monarch behavior and habitat. Educational YouTube videos will be played at the show, showing examples of monarch habitat.

The monarch team will provide samples of recent monarch publications from ISU Extension and Outreach, including "5 Ways to Help the Monarchs," "Enhancing Monarch Butterfly Conservation in Iowa," and "Monarch Seed Mix."

Farmers can help pollinators by participating in the Prairie Strip conservation project. Pioneered at Iowa State, these all-purpose buffers can be installed through or around a crop field, alongside waterways, or in a terrace channel.

Farmers and landowners can now apply for cost share to install prairie strips with the Conservation Reserve Program.

With a width of 30 to 120 feet, prairie strips can reduce erosion, improve water quality, and provide habitat for pollinators and other wildlife. There are more than

250 sites with prairie strips nationwide. Costs for this practice, known as CP43, may be as little as \$7 per acre.

A similar approach, "Establishing and Managing Pollinator Habitat on Saturated Riparian Buffers," is highlighted in a four-page resource from ISU Extension that explains options, benefits and costs associated with enhancing riparian buffers with pollinator-friendly native plants.

For a digital connection to pollinators, check out the HabiTally mobile phone app. It's designed to help people voluntarily record basic information about their habitat to support monarch recovery. The app allows people to record their efforts on plots of all sizes, and it can also be used to record community projects, including locations such as churches and parks.

You can enter your own plot and see data aggregated by state, including the number of habitat acres other states have reported. Developed in 2019 as a collaboration between Bayer and the Climate Corporation, with support from Iowa State's Center for Survey Statistics and Methodology, the app is available as a free download on iOS and Android devices from the App Store by searching HabiTally monarchs.

Shimp says people often think they need to own large tracts of land to help pollinators, but that's not always the case. Roadway ditches, lawns and landscapes can all make an ideal habitat if maintained properly.

Even those who do not own land can still help improve monarchs, through education and outreach to others.

"A lot of people have a strong interest in helping monarchs, but don't really know how to get started," Shimp says. "We hope our time at the show will help expose people to the resources and individuals who can help provide useful information, because there really are important things each of us can do."

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International visitors welcomed to farm show

BY WILLIE VOGT
@WILLIE1701A

INTERNATIONAL TRAVEL HAS been curtailed in the past two years, but the world is opening up and the Farm Progress Show will be ready.

“We’re thrilled to host the International Visitors Center at the Farm Progress Show this year,” says Peggy Kerr, team leader, International Trade Office, Iowa Economic Development Authority.

“It offers us the opportunity to showcase Iowa exhibitors, as our key role is to increase exports from Iowa.”

Kerr explains that IEDA involvement aims to help connect exhibitors and companies to facilitate new trade opportunities. “And that’s good for the overall economy,” she adds. Kerr also indicated that the International Visitors Center is being restructured and modernized from what it has been in the past.

Before the pandemic, the Farm Progress Show welcomed visitors from more than 40 countries every year. While that dipped significantly in 2021, Kerr sees an opportunity for more to return this year.

The center will be staffed throughout the show to support the business and tourism side for international guests. IEDA will work with the Ames, Boone and Des Moines Convention and Visitors Bureaus (CVB) to help staff the site during the show.

Of course, language can be a barrier for any international visitor, but the International Visitors Center will be provide resources. “We’ll have Spanish and Portuguese interpreters on hand this year,”

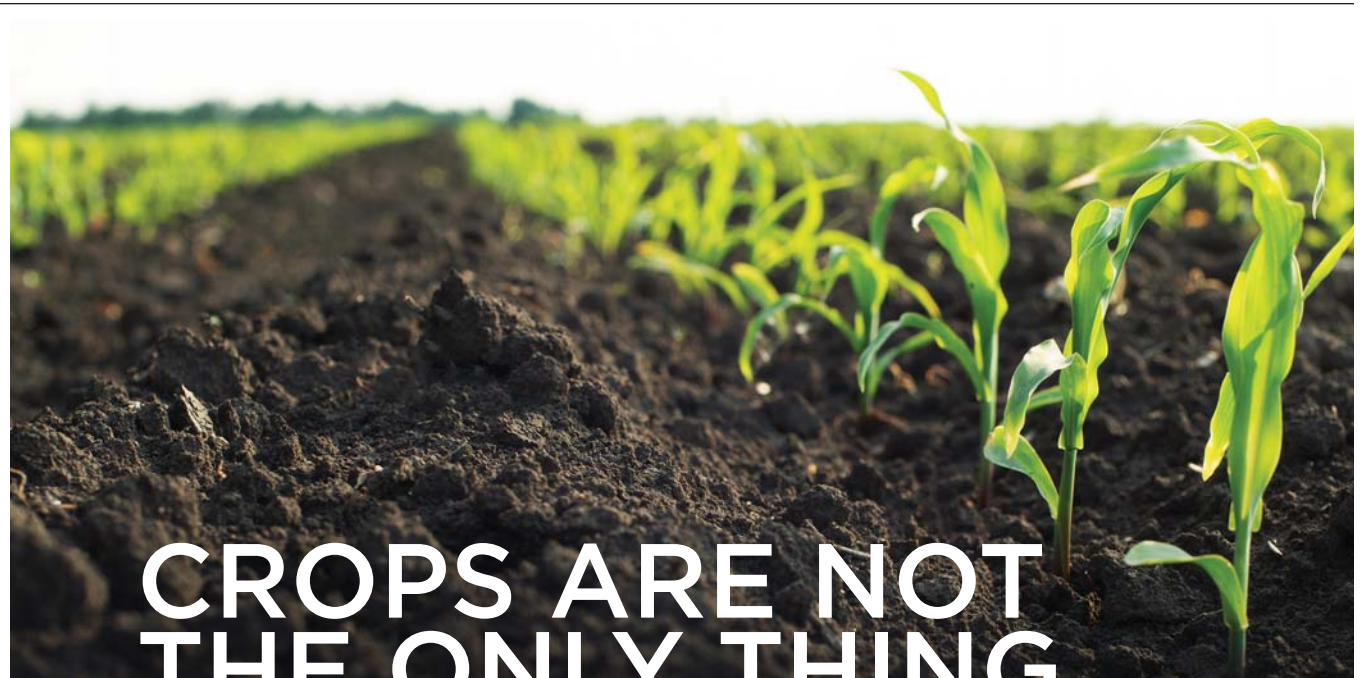
Kerr says. The guests who travel to Boone from outside the U.S. often need some extra help, including official letters of invite, which are available from the Ames CVB, through a link on the farm show website.

Kerr says that international travel is

never a walk in the park, and COVID-19 added plenty of challenges, but with more of the world ending testing requirements, the doors are reopening.

“There will be pockets of the world still hesitant to travel, but we’re seeing more openness than there was for Decatur in

2021,” Kerr adds. International visitors can find key information at *FarmProgressShow.com*. Companies and visitors seeking more economic insight can also visit *iowaeda.com/exports* to find resources and contacts to connect with Iowa companies to do business.



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Learn more about how Iowa provides the right climate for business growth at iowaeda.com and stop by the International Visitor’s Center at the Farm Progress Show.



INTERNATIONAL VISITORS CENTER: Part of the Wallaces Farmer Hospitality Tent, the International Visitors Center offers interpreters, private meeting spaces and staff support throughout the show.

iowaeda.com



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Water quality efforts made visual

BY CHRIS KICK

IOWA STATE UNIVERSITY Extension will make water quality practices “more visual” at this year’s Farm Progress Show.

Kay Stefanik, assistant director of the ISU Iowa Nutrient Research Center, says this year’s exhibit will include a video on the water quality benefits of wetlands, specifically related to nitrogen reduction.

The Conservation Station trailer, developed by Iowa Learning Farms, will show

visitors what saturated buffers and bio-reactors look like and how they function.

“The display will allow people to see components of water quality improvement practices that are often underground and not visible to the human eye,” Stefanik says. “There will be educational opportunities for people of all ages and backgrounds, and information on what they can do to help improve water quality.”

Catherine DeLong, water quality program manager for Extension, says visitors

can also pick up a brochure on the Private Well Stewardship Program, a new initiative to help Iowans who depend on drinking water from their private wells.

In Iowa, about 7% of the population relies on private wells as their main water source. A well owner must ensure the drinking water is safe, but many Iowans are unsure how to maintain the quality.

The program offers information on testing, maintenance and funding resources to maintain well water quality.



ISU EXTENSION

WATER QUALITY BIOREACTOR: A water quality bioreactor is one of several water quality improvement projects being installed in Iowa.

Also, visitors interested in a water quality project can sign up with the Iowa Department of Ag and Land Stewardship.

“The Farm Progress Show is a great opportunity to visit with producers about the range of conservation practices that can be used to reduce the export of sediment and nutrient from agricultural lands,” says Matt Helmers, center director.

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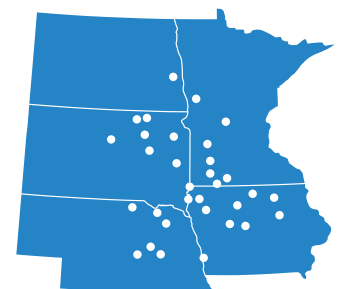
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FARM PROGRESS SHOW

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69

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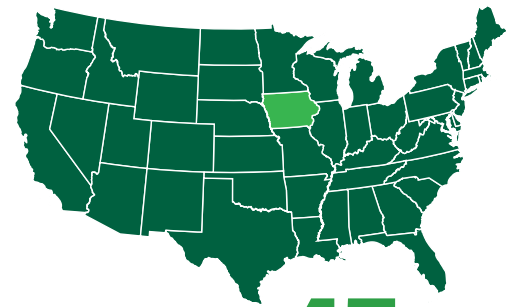
\$12 MILLION

AMOUNT FPS DRIVES BACK
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IN ECONOMIC ACTIVITY
EVERY TWO YEARS



12

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Syngenta builds show tradition with exhibit, offers place for break

BY WILLIE VOGT

@WILLIE1701A

A FARM SHOW is a busy place, with information-filled stops throughout the exhibit field. Exhibitors work hard to provide that information in ways that allow you to learn more, and also work to build a stronger relationship.

A few years ago, Syngenta added a new feature at the Farm Progress Show that offers a kind of one-two approach to visitors. The “one” is an information-filled exhibit providing visitors a chance to learn the latest about top products from the brand. The “two” is a place to pause at the show and spend more quality time with Syngenta folks, while also enjoying an adult beverage.

“Syngenta Square offers our brands another way to engage with customers,” says Ann Vail, Syngenta communications and experiential marketing lead. “And there will be beer.”

Located near the main entrance on the Boone site, the Syngenta exhibit is the first stop. Vail explains that visitors to

that exhibit will take a journey or road trip through the booth. “They will be on the road to innovation and travel through the exhibit using a map,” she notes.

That “trip” will bring them new information about key products, including Acuron and Miravis Neo, as well as other agronomic information too.

“We’re going to have an Agronomy Bar, patterned after the Genius Bar that Apple uses,” Vail explains. “Farmers can walk up and chat with a local agronomist and get their questions answered.”

There will be several key points of interest on that journey through the exhibit, showing ways to increase yield and manage major crop pests. Farmers can also learn ways to be more efficient with inputs and learn more about digital ag. “This will be the center focus of the tent,” Vail says.

At the start of the journey, visitors will get a map to follow. At each stop, they can collect a sticker for the map. Fill the map with stickers for those stops on the agronomic journey, and at the end of your “trip,” you can get a ticket good for a drink at Syngenta Square.



TAKING A BREAK: After visiting the Syngenta exhibit to learn more about new products and talk with an agronomist, farmers can check out Syngenta Square for a break.

A PAUSE THAT REFRESHES

Syngenta Square has become a popular stop for show visitors, and not just because there’s beer on hand. Visitors can also get water and find a place to rest. And while there, Vail says there are activities planned.

“We’re going to have a ‘More Green in Your Wallet’ leather wallet-money clip embossing station in the square,” Vail says. “And we’ll have live music every day.”

In addition, there will be the #UpgradetoSaltro Football Toss where visitors can test their skills and compete with friends.

There are other potential activities planned, but details were not locked in by press time. Needless to say, a stop at Syngenta Square will offer a break.

As for the beer? “We’re bringing in a variety of products,” says Steve Linn, Iowa

Craft Beer Tent, the supplier of adult beverages for Syngenta Square.

“For example, we’ll have Farmer Brown’s multigrain ale, which has a great name,” he notes. “We’ll also have some familiar brands like Busch Light.”

Linn, whose business started in a tent at the Iowa State Fair, and just kept “tent” in its name, will offer a variety of Iowa-produced beers to give farmers that want to experiment a chance to try something new.

Linn says often someone will try something and get their friend to try it.

“The beers are local and use grain from Iowa, that kind of stuff,” Linn says. “We’ll have a dark beer, a sour and IPA. Farmers do like their IPAs.”

Syngenta is located at Lot 402 just inside the main entrance. Syngenta Square is just behind at Lot 410.



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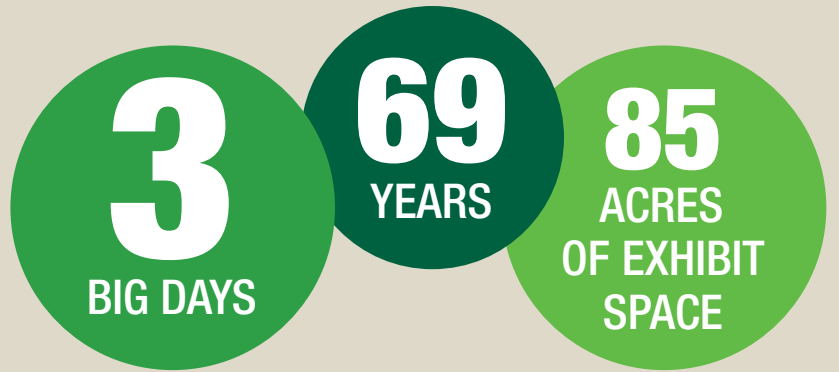
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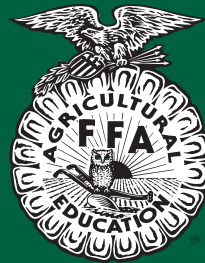
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Explore Boone, Ames while visiting Iowa for show

COLORFUL STOP: Reiman Gardens offers 17 acres of art and floral displays, making it a peaceful stop after a busy visit to the show.



COURTESY OF DISCOVER AMES

BY CAROLE GIESEKE
@DISCOVERAMESIA

WHEN YOU'RE IN town for the Farm Progress Show, schedule some extra time to explore central Iowa. The area has trains and art museums, rafting and biking, shopping and swimming, and much more.

STOP AND SMELL FLOWERS

Reiman Gardens is a 17-acre botanical center, which currently features a butterfly wing, lush floral displays, and the "Lewis & Art" exhibition with sculptures crafted from found objects.

It is located at 1407 University Blvd., Ames. Visit reimangardens.com.

TAKE A RIDE

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tickets today, as these rides often sell out.

The museum is located at 225 10th St., Boone. Visit bsvrr.com.

GO DOWNTOWN

Find unique shops, independent restaurants, a Saturday farmers market, music and nightlife — all in downtown Ames.

Visit Main Street between Clark and Duff. Go online to amesdowntown.org.

HIT THE TRAIL

The High Trestle Trail is 25 miles long, from Woodward to Ankeny. But if you want a shorter ride (or walk), jump on the trail in Madrid, just south of Boone, and explore the iconic half-mile, 13-story-high bridge across the Des Moines River Valley.

The views at dusk are especially breathtaking.

TEE OFF

Golfers take note: Ames has three public golf courses (Veenker Memorial Golf Course, Coldwater Golf Links and Homewood Municipal Golf Course), and Boone has two (Honey Creek Golf Club and Cedar Pointe Golf Course).

So, bring your clubs and schedule your tee times!

FLOAT YOUR BOAT

At Seven Oaks Recreation, you can canoe, kayak, river tube and even challenge your friends to a paintball competition. Seven Oaks Recreation is located at 1086 222nd Drive, Boone. Visit sevenoaksrec.com.

CHECK OUT LOCAL BREWS

Explore the area's many breweries, wineries and pubs. Don't miss Alluvial Brewing, Torrent Brewing and Prairie Moon Winery in Ames; Boone Valley Brewing in Boone; Backcountry Winery &

Brewery in Stratford; and Snus Hill Winery in Madrid. Many have live music.

TAKE A SPIN, OR HUG A TREE

Walk or bike the 3.2-mile paved path around the 125-acre Ada Hayden Heritage Park lake, or bring your canoe, kayak or fishing pole. Iowa Arboretum & Gardens showcases hundreds of species of trees, shrubs and flowering plants.

The park is located at 5205 Grand, Ames (just north of North Grand Mall).

The arboretum is at 1875 Peach Ave., Madrid. Visit cityofames.org and iowaarboretum.org.

PLAY YOUR PERFECT GAME

Enjoy 24 lanes of bowling, laser tag, arcade games and pizza at Perfect Games, or test your skills at Inside Golf & Axe Throwing.

Perfect Games is at 1320 Dickinson Ave., Ames. Inside Golf & Axe Throwing is at 2801 Grand Ave., Ames. Visit perfectgamesinc.com or insidegolfandaxe.com.

DIVE IN

Family fun alert: Cool off at Furman Aquatic Center in Ames or the Boone Municipal Pool. Both have water slides, and the Ames aquatic center features a lazy river.

The Furman Aquatic Center is at 1635 13th St., Ames. The Boone Municipal Pool is at 1100 Francis Mason Drive, Boone.

Visit cityofames.org or boonegov.com. Find details at discoverames.com and visitboonecounty.com.



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COURTESY OF VISIT BOONE COUNTY



SCENIC RIDE: The Boone & Scenic Valley Railroad and James H. Andrew Railroad Museum offer a chance for an interesting day out. You can even take a dinner ride on the rail line.

Find art, food, more in Des Moines

GREATER DES MOINES, Iowa, is the Midwest's fastest-growing metro area for good reason. It's located in the middle of the heartland but far from middle of the road.

It is a welcoming city, an event city and the capital city of the state. Here a few options to consider during a visit:

History. Discover the unique stories of influential people and the groundwork they laid to build Des Moines into the destination it is today. Take a tour of the state Capitol with its 23-karat-gold dome. It's decorated with 29 different types of marble and includes 100 rooms.

Located along the Principal Riverwalk, the World Food Prize Hall of Laureates serves as a museum to recognize the importance of food sustainability and the fight against hunger.

A trip to the Historic Jordan House in West Des Moines will give you an inside



FROM ART TO EATERIES: The Pappajohn Sculpture Park is a popular stop in Des Moines, Iowa. But check out the vibrant shopping and restaurant scene, too. PHOTO COURTESY OF CATCH DES MOINES

look at one of the five preserved underground railroad stops in Iowa.

Pappajohn Sculpture Park. The John and Mary Pappajohn Sculpture Park features 30-plus sculptures spread out over 4.4 acres in downtown Des Moines. Grab a selfie at the popular Nomade or giant Love sculpture.

Shopping. Historic East Village is a progressive, pedestrian-friendly neighborhood featuring eclectic local flair. Check out Historic Valley Junction and shop everything from vintage shops, clothing boutiques and art galleries.

Located in West Des Moines, Jordan Creek Town Center is a 200-acre retail, dining, entertainment and recreational development. Just east of downtown in Altoona, you'll find the Outlets of Des Moines, featuring outlet stores with popular and high-end brands.

Restaurants. Prepare for eclectic eats and delectable desserts.

Can't decide between Chinese or pizza? Fong's pizza brings the two together with its Asian-inspired pies.

Maybe Totchos and some Latin from Malo are your thing, or sushi from Wasabi, or even a burger from Zombie Burger that will give you post-apocalyptic vibes.

Whether you are looking for a seasonal menu, a coursed meal or an all-inclusive brunch, it's easy to find your foodie fix in the area.

Drinks. Unwind and network at The Hall in West Des Moines. Located in a historic building that housed boxcars, The Hall now has more than 54 beers on tap and features a beer garden and food trucks.

If a unique cocktail sounds more appealing, try a newspaper-themed mixed drink at Hello Marjorie, or grab a drink from the new Northwester, a railway-themed cocktail bar.

Lists for help. There's so much to explore in Greater Des Moines.

Check out the Catch List itineraries to plan out part of your day at catchdesmoines.com/catchlist, or find the best spots for pizza, patios or anything else in Greater Des Moines with the Des Best lists at catchdesmoines.com/desbest.

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Time	Tuesday	Presenter/Organization
8:00 – 9:30 a.m.	Best of Farm Progress Show	Hosted by Max Armstrong
10 – 10:45 a.m.	Farm Futures Market Update	Jacqueline Holland and Ben Potter, market analysts for Farm Futures
Noon – 2 p.m.	The Noon Show	Presented by USB
2 – 3 p.m.	Governmental Affairs	TBA

Time	Wednesday	Presenter/Organization
8:00 – 9:30 a.m.	Best of Farm Progress Show	Hosted by Max Armstrong
10 – 10:45 a.m.	Farm Futures Market Update	Jacqueline Holland and Ben Potter, market analysts for Farm Futures
Noon – 2 p.m.	The Noon Show	Presented by USB
2 – 3 p.m.	Governmental Affairs	TBA
3 – 5 p.m.	This Week In Agribusiness	Max Armstrong and Mike Pearson

Time	Thursday	Presenter/Organization
10 – 10:45 a.m.	Farm Futures Market Update	Jacqueline Holland and Ben Potter, market analysts for Farm Futures
Noon – 1 p.m.	The Noon Show	Presented by USB
1 – 3 p.m.	Social Media Celebrities	TBA



COURTESY OF DISCOVER AMES

Dining options abound

BY CAROLE GIESEKE
@DISCOVERAMESIA

A LONG DAY walking the farm show can work up a great appetite, and while the surrounding area has many of your favorite chain restaurants, there are a few local favorites to check out as well.

IN AMES

Hickory Park Restaurant

Hickory-smoked meats and ice cream
1404 S. Duff Ave.

West Towne Pub

Bar and grill
4518 Mortensen Road

Cornbread BBQ

Barbecue, sides, brunch and full bar
526 Main St.

Sweet Caroline's

Kitchen and cocktails
316 Main St.

Wallaby's Bar & Grill

Sports bar with rooftop patio
2733 Stange Road

Dublin Bay

Irish pub and grill
320 S. 16th St.

Great Plains Sauce & Dough

Pizza
129 Main St.

El Azteca

Mexican restaurant with two locations
■ 2120 Isaac Newton Drive
■ 2727 Stange Road

La Carreta

Mexican
1215 S. Story St.

Colorado Grill

American grill
1514 S. Marshall St.

AND BEYOND

Whatcha Smokin

Barbecue and brews
403 Iowa Ave., Luther

B Fabulous BBQ

Barbecue
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Find details at discoverames.com and visitboonecounty.com.



LOCATING GOOD FOOD: This map of districts in Ames can lead you to locations with several chain and local eateries. You'll find varied dining choices from the north neighborhood of Somerset to the south in South Duff.

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Which years of FPS are most memorable?

FARMERS LIKE COMING to the Farm Progress Show, but matching year to location can sometimes be a challenge. We've rounded up that list to help jog your memory.

See how many of these shows you've attended:

- 1953 Earl Bass, Armstrong, Ill.
- 1954 Miles Martin, Camden, Ind.
- 1955 Whitman Taylor, Belvidere, Ill.
- 1956 Francis Lane, Greencastle, Ind.
- 1957 Frank Simpson, Farmer City, Ill.
- 1958 Warren North, Brookston, Ind.
- 1959 Earl Elijah, Clarence, Iowa
- 1960 Donald Baltz, Joliet, Ill.
- 1961 Rollin Stewart, Rensselaer, Ind.
- 1962 Everett Smith, Blairsburg, Iowa
- 1963 James Yorty, Morton, Ill.
- 1964 Warren North, Brookston, Ind.
- 1965 Bill Fry, Van Horne, Iowa
- 1966 Frank Simpson, Farmer City, Ill.
- 1967 LeRoy Keesling, Chalmers, Ind.
- 1968 Robert and Roger Clause, Grand Junction, Iowa
- 1969 James Cravens, Buffalo, Ill.
- 1970 Gerald Tarnow, Rolling Prairie, Ind.
- 1971 Bill Fry, Van Horne, Iowa
- 1972 Inness Farm, Galesburg, Ill.
- 1973 Hoffman Farm, Lebanon, Ind.
- 1974 Dale Ricke, Vincent, Iowa
- 1975 James Willrett, Malta, Ill.

- 1976 Caryl Shelby and Roy Johnson, Greenfield, Ind.
- 1977 Maurice Crawford, Robert Jones, Stewart Brothers, Washington, Iowa
- 1978 Phil Deal and Jim Micenheimer, Taylorville, Ill.
- 1979 Lincoln Priebe, Crawfordsville, Ind.
- 1980 Bill New, Gerlach Brothers and Ernie Otto, Nevada, Iowa
- 1981 Schachtrup Farms, Steve Mottaz and Virginia McClouth, Brimfield, Ill.
- 1982 Foutch, Helderle and Meadors Farms, Wolcott, Ind.
- 1983 Dostal, Meythaler, Mollenhaur, Hoskins and Taube Farms, Marion, Iowa
- 1984 Keith, Melson, Sepp and Rogers Farms, Fisher, Ill.
- 1985 Carl Martin and Tom Haase Farms, Knightstown, Ind.
- 1986 Holland, Twedt, Stall and Cory Farms, Alleman, Iowa (Canceled due to rain)
- 1987 Holland, Twedt, Stall and Cory Farms, Alleman, Iowa
- 1988 Ackland, Fyke, Haub, Kirk and Reiss Farms, West Brooklyn, Ill.
- 1989 Weaver and Krom Farms, Rochester, Ind.



FARM PROGRESS

BACK IN IOWA: From autonomous technology to the first-ever concert on the site, the 2022 show promises to offer plenty for visitors.

- 1990 Amana Farms Inc., Amana, Iowa
- 1991 Harris, Orris and Boggs Farms, Dalton City, Ill.
- 1992 Sherrill, Gelfius, Friedersdorf, Arnholt, Newsom and Fiesbeck Farms, Columbus, Ind.
- 1993 Amana Farms Inc., Amana, Iowa
- 1994 G. J. Mecherle Trust, Pitts and Kinsella Farms, Bloomington, Ill.
- 1995 Jarvis Farms Inc., Terre Haute, Ind.
- 1996 Amana Farms Inc., Amana, Iowa
- 1997 Kennedy, Frye, Bedeker and Muffler Farms, Seneca, Ill.
- 1998 MetLife and Alan, Rachel, Leon and Beverly Baird, Windfall, Ind.
- 1999 Amana Farms Inc., Amana, Iowa
- 2000 Powers Farms/Bank One of Springfield, Cantrall, Ill.
- 2001 Kemper and Smit Farms, Lafayette, Ind.

- 2002 Holland, Stall, Twedt, Lande Farms, Alleman, Iowa
 - 2003 Gernand and Clark Farms, Armstrong, Ill.
 - 2004 Holland, Stall, Twedt, Lande Farms, Alleman, Iowa
 - 2005 Brix, Padrutt, Richland College, Decatur, Ill.
 - 2006 Amana Farms Inc., Amana, Iowa
- Since 2007, the show has rotated between its two current locations — Boone and Decatur, Ill.
- In odd years at Decatur, the hosts are Brix, Padrutt, Richland College and Progress City.
- In even years at Boone, the hosts are Ziel, Isaacson and Schoff families, and Central Iowa Expo. In 2020, the in-person Farm Progress Show was canceled due to the COVID-19 pandemic.

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FARM PROGRESS SHOW 2022



2022 FPS Yeti Sweepstakes ends 9/01/22. Details in the FPS Hospitality Tent during show hours or available online at <https://pgs.farmprogress.com/fps-2022-sweepstakes>

Text FPS to 20505 to register today!



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SCAN ME

Show part of program to use renewable power

TRAVELING ACROSS IOWA, it's hard to miss the rising number of windmills churning out power for local communities. The use of renewable power is on the rise, and to encourage that, companies and organizations are working to buy that power for their use. The Farm Progress Show is doing the same in a special program that replaces power from conventional sources with renewable electricity.

As part of Informa, a company that has pledged to strive for net zero emissions from its events, Farm Progress is part of an innovative program that evaluates its energy use, looks for efficiencies and reductions, and then purchases the electricity it still needs to power the Boone show site from renewable sources — including wind, solar and geothermal.

“In farming we know producers work to be efficient and sustainable,” says Matt Jungmann, national events director for Farm Progress. “This program is a way we can contribute to the effort to reduce carbon emissions. From our standpoint, it's a way to show we are invested in sustainability too.”

INCENTIVIZING RENEWABLE POWER

The Renewable Electricity program is supported by Informa LLC for all company events, including the Farm Progress Show and Husker Harvest Days. Essentially, the power into the show may be from conventional sources, but there are renewable sources on the grid. Every unit of renewable electricity generates a market-based credit called a Renewable Energy



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RENEWABLE POWER: Incentivizing investment in renewable power is possible when companies commit to an emission-free type of electricity. The Farm Progress Show is powered by renewable energy through an innovative program.

Certificate. Informa purchases those certificates, which give the owner claim to megawatt hours of renewable energy and its attributes.

The purchasing of renewable electricity helps achieve clean energy goals, lower emissions and support the renewable marketplace through further development.

As farmers open their land to generating renewable power, programs like this provide investment into similar programs' capabilities throughout the region.

When you see lights in a Farm Progress Show exhibit or those big lights in each quadrant, know that they're powered by renewable energy.



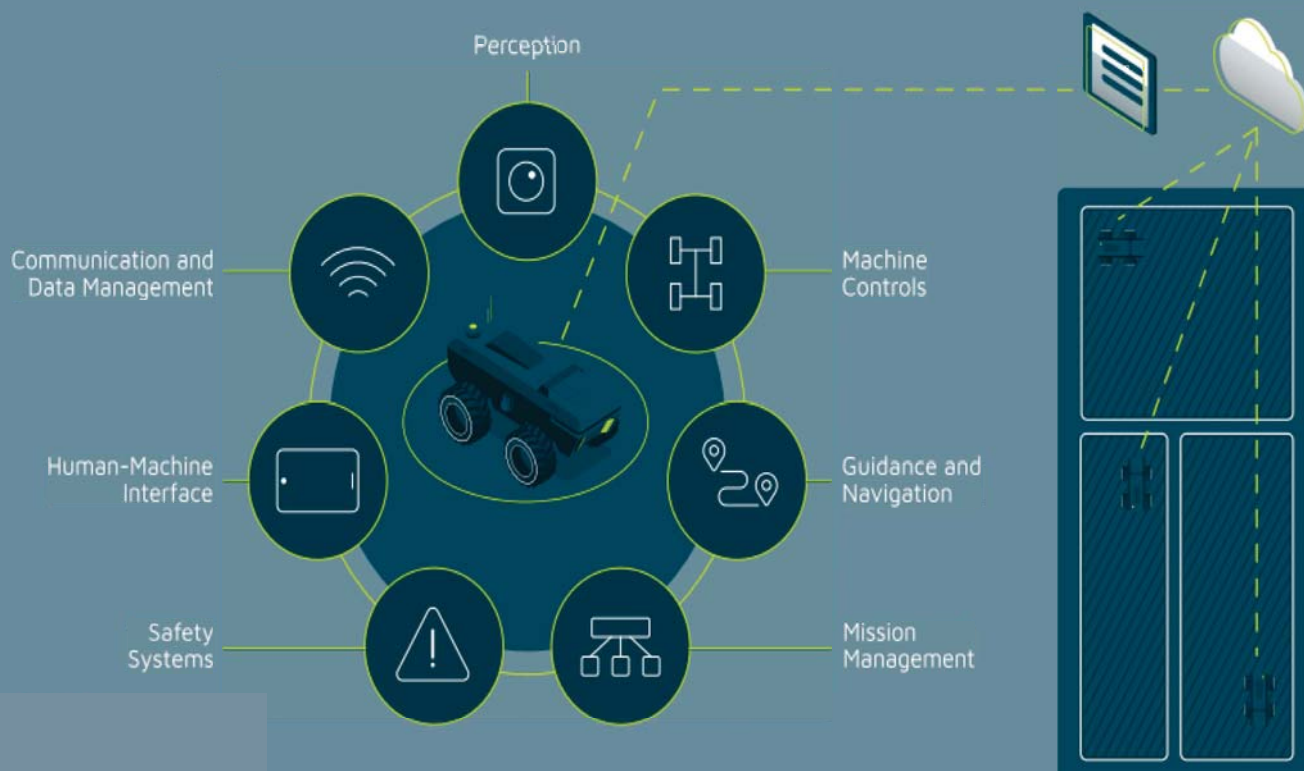
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VIT = 9000 numbers
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Raven.....	22N
Reinke.....	VIT9400
SoilMax.....	517
STEINBAUER Performance.....	557
SurePoint Ag Systems, Inc.....	940
SWAT MAPS.....	VIT9118
Tecomec.....	VIT9419
Valley Irrigation.....	VIT9113

GRAIN BAGGING EQUIPMENT

Akron Grain Handling/Mainero	
Corn headers-GBC Distributors.....	1056
Brandt Industries USA Limited.....	606
EDNEY DISTRIBUTING COMPANY.....	822
Loftness Specialized Equipment.....	246
Neeralta Manufacturing Inc.....	5N
Pro Grain Equipment.....	822

GRAIN CARTS

Agrimatics.....	VIT9725
Balzer Inc.....	1144
Brandt Industries USA Limited.....	606
CrustBuster/Speed King Inc.....	250
Demco.....	749
Elmer's Manufacturing.....	426
J & M Manufacturing Co., Inc.....	345
Kinze Manufacturing, Inc.....	841
Unverferth Mfg. Co., Inc.....	616

GRAIN GRINDERS

H&S Manufacturing Co., Inc.....	1246
Jones Manufacturing Co.....	1343

GRAIN HANDLING EQUIPMENT

ADS Bulk Seed Buggy / Pond-Tini.....	853
AGI.....	1034
Agtronix / Ruitter Innovations.....	VIT9813
Akron Grain Handling/Mainero	
Corn headers-GBC Distributors.....	1056
Artex MFG.....	1247
AGI Batco.....	1034
Brandt Industries USA Limited.....	606
Brock Grain Systems.....	818
Central City Scale Inc.....	1154

Chief Agri & Chief Buildings.....	913
CrustBuster/Speed King Inc.....	250
D & B Agro-Systems, Ltd.....	VIT9814
Demco.....	749
Drago.....	317
EDNEY DISTRIBUTING COMPANY.....	822
Estes Performance Concaves.....	VIT9819
FS.....	660
Grain Handler USA.....	1319
AGI GrainVacs.....	1034
Haber Technologies.....	VIT9208
Honeyville Metal, Inc.....	813
HTS Ag.....	476
AGI Hutchinson.....	1034
J & M Manufacturing Co., Inc.....	345
Jet Company.....	554
Kongskilde Industries.....	712
KSI.....	1116
Leading Edge Industries.....	VIT9606
Meridian Manufacturing Inc.....	817
AGI MFS.....	1034
MY YIELD Seed Treaters.....	1326
AGI NECO.....	1034

Neeralta Manufacturing Inc.....	5N
Pit Express / Mast Productions, Inc.....	424
Prestige Trailers.....	839
Pro Grain Equipment.....	822
Shivvers Mfg., Inc. & Country Clipper	
Zero Turn Mowers.....	35N
Shur-Co.....	555
Sioux Steel Company.....	1217
Sudenga Industries, Inc.....	649
Sukup Manufacturing Co.....	1024
Superior Grain Equipment.....	908
Swinger Mfg.....	468
Trail King Industries, Inc.....	214
Tri-States Grain Conditioning, Inc.....	VIT9522
Universal Industries, Inc.....	125
Unverferth Mfg. Co., Inc.....	616
Vari-Air.....	565
Walinga USA Inc.....	414
Walkabout Mother Bins.....	951
AGI Westfield.....	1034
Wilson Trailer.....	137

GRAIN PRODUCTION

FS.....	660
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GRAVITY BOXES

Demco.....	749
J & M Manufacturing Co., Inc.....	345

GUIDANCE SYSTEMS

Ag Express Electronics.....	VIT9724
Ag Leader Technology.....	517
Ag Spray Equipment.....	1023
ARAG Precision Technology, Inc.....	647
HTS Ag.....	476

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JCA Technologies.....	VIT9702
Raven.....	22N
Reinke.....	VIT9400

HARROWS

Elmer's Manufacturing.....	426
Mandako.....	1058
Poettinger US, Inc.....	1157
Remlinger Mfg.....	244
Rite Way Mfg. Co.....	13N
Salford Valmar.....	234
Schulte Industries Ltd.....	341
Treffler-Man@Machine.....	537

HARVESTING EQUIPMENT

360 Yield Center.....	334
Agrimatics.....	VIT9725
Akron Grain Handling/Mainero Corn headers-GBC Distributors.....	1056
All States Ag Parts, LLC.....	VIT9720
AGI Batco.....	1034
Brandt Industries USA Limited.....	606
Calmer.....	1202
Capello, USA.....	953
Case IH.....	102
CLAAS.....	828
Degelman Industries.....	1228
Drago.....	317
Duck Foot Parts.....	VIT9709
Duo Lift Manufacturing Co., Inc.....	1155
Estes Performance Concaves.....	VIT9819
Farmwave.....	153
Flexifinger.....	VIT9721
Geringhoff.....	827
GTS Headers.....	1062
AGI GrainVacs.....	1034
H&S Manufacturing Co., Inc.....	1246
Headsight Inc.....	VIT9502
Herschel Parts.....	457
Honey Bee Manufacturing Ltd.....	18N
JALTEST DIAGNOSTICS BY COJALI.....	VIT9806
JCB.....	814
John Deere.....	144
Kelderman Mfg Inc.....	1110
Kondex Corporation.....	VIT9600
Kuchar Combine Performance, Inc.....	123
Leading Edge Industries.....	VIT9606
MacDon, Inc.....	21S
Mandako.....	1058
Marcrest Manufacturing Inc.....	533
Maschio Gaspardo North America.....	13S
MAYAAMERICA.....	920
Mud Hog.....	478
NDY Manufacturing, Inc.....	1122
New Holland.....	124
Oxbo International Corp.....	44N
Poly Tech Industries.....	515
Ranko Equipment.....	812
Schumacher Company LC.....	458
Shur-Co.....	555
Superior Tire & Rubber Corp.....	VIT9623
Thunder Creek Equipment.....	129
Thunderstruck Sales & Marketing.....	321

Trail King Industries, Inc.....	214
Universal Industries, Inc.....	125
Walkabout Mother Bins.....	951
AGI Westfield.....	1034
Wintersteiger.....	43N
Ziegler CAT.....	1120

HAY GRINDERS

Elmer's Manufacturing.....	426
H&S Manufacturing Co., Inc.....	1246
Jones Manufacturing Co.....	1343

HAY HANDLING EQUIPMENT

AGCO Corporation.....	1002
Apache Palco Henke Buffalo.....	42S
CL Fabrication Inc.....	11N
CLAAS.....	828
Duo Lift Manufacturing Co., Inc.....	1155
H&S Manufacturing Co., Inc.....	1246
Herschel Parts.....	457
Kondex Corporation.....	VIT9600
Kubota Tractor Corporation.....	506
Land Pride.....	506
Marcrest Manufacturing Inc.....	533
New Holland.....	124
Norden Mfg.....	41S
Oxbo International Corp.....	44N
Price Bros. Equipment.....	1341
Ranko Equipment.....	812
Rowse Hydraulic Rakes Co., Inc.....	1148
Ziegler CAT.....	1120

HAY RAKES

Bush Hog Inc.....	1210
CLAAS.....	828
Custom Made Products Co.....	15N
EDNEY DISTRIBUTING COMPANY.....	822
Eldon C. Stutsman, Inc.....	1345
H&S Manufacturing Co., Inc.....	1246
Kubota Tractor Corporation.....	506
Kuhn North America, Inc.....	134
Poettinger US, Inc.....	1157
Price Bros. Equipment.....	1341
RhinoAG, Inc.....	1242

HEALTH & WELLNESS

Drug Enforcement Administration.....	VIT9315
Grinnell Mutual.....	VIT9800
Health & Safety Tent by University of Iowa College of Public Health.....	37N

HEMP

Agtronix / Ruitter Innovations.....	VIT9813
Grain Handler USA.....	1319
Hiniker Company.....	133
Remlinger Mfg.....	244

HERBICIDES

Bayer.....	30S
Corteva AgriScience.....	634
Heartland Logistics Group.....	VIT9215
Kruger.....	418
Magnojet Industries.....	VIT9712

Marrone Bio Innovations.....	VIT9200
Spectrum Technologies, Inc.....	VIT9127
Syngenta.....	402
Wells Ag Supply.....	1124

HOME PRODUCTS & SERVICES

Amvic Building System.....	VIT9622
Bath Planet.....	VIT9512
Creatherm, LLC.....	VIT9105
Cutco Cutlery.....	VIT9718
DECRA Metal Roofing, Inc.....	VIT9323
LeafFilter Gutter Protection.....	VIT9716
LeafGuard by Home Solutions of Iowa.....	VIT9125
Renewal by Andersen.....	VIT9423

HOMES

Morton Buildings, Inc.....	534
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HVAC

Amvic Building System	VIT9622
Creatherm, LLC.....	VIT9105
Rural Electric Cooperatives of Iowa.....	10S

HYDRAULICS

Buffalo Turbine.....	541
Seneca Tank	VIT9618
Wilkes and McLean	VIT9817

INOCULANTS

Advanced Yield	40S
Heads Up Plant Protectants	VIT9717
Magnojet Industries.....	VIT9712
NewLeaf Symbiotics	1048
Pioneer	634
Rizobacter.....	907
Unified Ag Solutions	434
Wells Ag Supply.....	1124

INSECTICIDES

Bayer	30S
Corteva AgriScience	634
Kruger.....	418
Magnojet Industries.....	VIT9712
Marrone Bio Innovations.....	VIT9200
Spectrum Technologies, Inc.	VIT9127
Syngenta	402
Unified Ag Solutions	434
Wells Ag Supply.....	1124

INSURANCE & ESTATE PLANNING

Farm Credit Services of America	643
Farmers Mutual Hail Insurance.....	VIT9701
Silveus Insurance Group	VIT9222

IRRIGATION & CHEMIGATION EQPT.

360 Yield Center	334
Ag Spray Equipment.....	1023
Banjo Corporation	654
Cadman Power Equipment.....	39S
Davis Instruments	VIT9110
Doda USA, Inc.	1245
Husker Power Products, Inc	1243
Lindsay Corporation	VIT9501



NutraDrip Irrigation Systems.....	1218
Reinke.....	VIT9400
Senninger Irrigation	VIT9319
TerreMax Liquid Handling Products, A Division of Green Leaf Inc.	713
T-L Irrigation Company	VIT9207
Valley Irrigation.....	VIT9113

LABORATORY SERVICES

ALTA / SPAC	VIT9610
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LAWN & GARDEN

Acme Tools.....	523
Ag Spray Equipment.....	1023
CL Fabrication Inc.....	11N
Exmark.....	41N

Gandy Company	569
Grasshopper Company.....	855
Land Pride.....	506
LeafGuard by Home Solutions of Iowa.....	VIT9125
Oscar Wilson Engines & Parts	1209
Shivvers Mfg., Inc. & Country Clipper Zero Turn Mowers.....	35N
Walker Manufacturing Co.....	12S

LIVESTOCK

AuctionTime.com.....	552
Heartland Logistics Group.....	VIT9215

LIVESTOCK HANDLING EQUIPMENT

Apache Palco Henke Buffalo.....	42S
Central City Scale Inc.....	1154

VIT = 9000 numbers
VIT = Varied Industries Tent

Manitou Group	939
Rawhide Portable Corral	1156
Rostech Electronics.....	VIT9815
Roto-Mix LLC.....	44S
Sioux Steel Company	1217
Wilson Trailer.....	137

LIVESTOCK SHELTERS

Amvic Building System	VIT9622
Morton Buildings, Inc.	534
Sioux Steel Company	1217
Triple Green Products.....	450
WeCover Structures Inc.	543

LIVESTOCK SUPPLIES

Farmers Business Network	1134
Ranch Hand Solar Lighting Systems.....	438
Wieser Precast, Inc.	1152

LIVESTOCK SUPPLEMENTS

LeiShen Intelligent System Co., Ltd.....	VIT9615
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LOADERS & ACCESSORIES

Bobcat Company	821
Bush Hog Inc.	1210
CL Fabrication Inc.....	11N
Davis Equipment Corporation	218
GIANT Loaders North America	535
HitchDoc.....	1151
JCB	814
JLG Industries	1324
Manitou Group	939
Ranko Equipment	812
RhinoAG, Inc.....	1242
Westendorf Mfg. Co., Inc.....	943

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FS.....	660
Gear Head Lube.....	VIT9410
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Meridian Manufacturing Inc	817
Oscar Wilson Engines & Parts	1209
PIUSI USA, INC.....	VIT9620
SKF Lincoln.....	840
Thunder Creek Equipment.....	129

MANURE HANDLING EQUIPMENT

Artex MFG.....	1247
Balzer Inc.....	1144
Cadman Power Equipment.....	39S
Degelman Industries.....	1228
Doda USA, Inc.....	1245
Eldon C. Stutsman, Inc.....	1345
H&S Manufacturing Co., Inc.....	1246
JCB.....	814
Kuhn North America, Inc.....	134
Manitou Group.....	939
Meyer MFG Corp.....	242
Norwood Sales Inc.....	258
Oxbo International Corp.....	44N
Price Bros. Equipment.....	1341
Puck Enterprises.....	848
Ranko Equipment.....	812
Roto-Mix LLC.....	44S
Wieser Precast, Inc.....	1152
Zimmerman Manufacturing LLC.....	815
Zoske Manufacturing.....	906

MARKETING & ADVISORY SERVICES

ADM.....	1126
Ever.Ag.....	VIT9617
Indigo Ag.....	577,1S
Roach Ag Marketing, Ltd.....	VIT9311
StoneX Financial Inc. - FCM Division.....	VIT9808

METAL WORKING EQUIPMENT

Acme Tools.....	523
Miller Electric Mfg. LLC.....	614

MOISTURE TESTERS

Ag Express Electronics.....	VIT9724
HTS Ag.....	476
Reinke.....	VIT9400
Seedburo Equipment Co.....	VIT9211
Thunderstruck Sales & Marketing.....	321
Valley View Agri-Systems.....	911

MONITORS

Ag Express Electronics.....	VIT9724
Ag Leader Technology.....	517
AGI.....	1034
Agrimatics.....	VIT9725
BIN-SENSE.....	VIT9322
DigiFarm VBN.....	VIT9406
HTS Ag.....	476
Intelligent Ag.....	VIT9805
J.Assy.....	VIT9528
JCA Technologies.....	VIT9702
Loup Electronics, Inc.....	VIT9411
AGI NECO.....	1034
Precision Planting.....	1234
Rostech Electronics.....	VIT9815

AGI SureTrack.....	1034
Tri-States Grain Conditioning, Inc.....	VIT9522

MOWERS

Bush Hog Inc.....	1210
Custom Made Products Co.....	15N
Exmark.....	41N
Grasshopper Company.....	855
Kuhn North America, Inc.....	134
Land Pride.....	506
Loftness Specialized Equipment.....	246
Oscar Wilson Engines & Parts.....	1209
Poettinger US, Inc.....	1157
RhinoAG, Inc.....	1242
Schulte Industries Ltd.....	341
Shivvers Mfg., Inc. & Country Clipper Zero Turn Mowers.....	35N
Walker Manufacturing Co.....	12S

NATURAL RESOURCES

Iowa Corn.....	VIT9212
Iowa Limestone Producers Association.....	VIT9422
Summit Carbon Solutions.....	VIT9219

NONPROFIT ORGANIZATIONS

Ag Container Recycling Council.....	VIT9413
ALTA / SPAC.....	VIT9610
Amazing Grace Mission- Fair Fellowship-Mail Box Club.....	VIT9317
Convention of States Iowa.....	VIT9318
GoServ Global.....	1024
Health & Safety Tent by University of Iowa College of Public Health.....	37N
IA Chapter 5.....	46S
Iowa Corn.....	VIT9212
Iowa Farmers Union.....	VIT9316
Practical Farmers of Iowa.....	VIT9515
Precision Ag Reviews.....	VIT9321
Renewable Fuels Association (RFA).....	1223
USDA Farm Service Agency.....	VIT9418

NUTRITION & FEED

ADM.....	1126
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ORGANIZATIONS

Gideons International.....	VIT9216
International Trade Center.....	625
Iowa Limestone Producers Association.....	VIT9422
National Micro Mini Tractor Pulling Association.....	55S

PARTS & ACCESSORIES

Abilene Machine LLC.....	36S
Ag Spray Equipment.....	1023
All States Ag Parts, LLC.....	VIT9720
ARAG Precision Technology, Inc.....	647
Banjo Corporation.....	654
Custom Made Products Co.....	15N
Davis Equipment Corporation.....	218
Duck Foot Parts.....	VIT9709
Global Track Warehouse.....	1207
Herschel Parts.....	457
JALTEST DIAGNOSTICS BY COJALI.....	VIT9806

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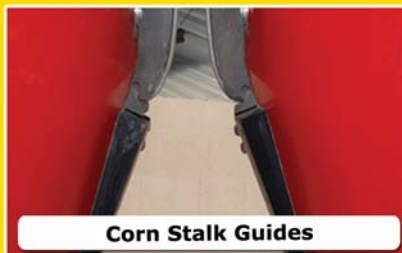
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Kondex Corporation.....	VIT9600
Kuchar Combine Performance, Inc.....	123
Magnojet Industries.....	VIT9712
MAYAAMERICA.....	920
Mud Hog.....	478
Oscar Wilson Engines & Parts.....	1209
Parts4Farm.....	436
PIUSI USA, INC.....	VIT9620
Poly Tech Industries.....	515
Precision Planting.....	1234
RK Products by Copperhead Ag.....	758
Schumacher Company LC.....	458
Shoup Manufacturing Co.....	470
Shur-Co.....	555
Sloan Express.....	VIT9308
SMA.....	VIT9507
Vander Haag's inc.....	753
Worthington Ag Parts.....	7N

PEST CONTROL

Corteva AgriScience.....	634
Davis Instruments.....	VIT9110
Magnojet Industries.....	VIT9712
Marrone Bio Innovations.....	VIT9200
Spectrum Technologies, Inc.....	VIT9127

PLANTERS & ACCESSORIES

360 Yield Center.....	334
Abilene Machine LLC.....	36S
AGCO Corporation.....	1002
APV America.....	949
Case IH.....	102
Copperhead Ag.....	758
CrustBuster/Speed King Inc.....	250
DigiFarm VBN.....	VIT9406
Estes Performance Concaves.....	VIT9819
Farm Shop MFG, LLC.....	VIT9312
Gandy Company.....	569
Graham Electric Planter.....	VIT9706
Great Plains Mfg., Inc.....	428
Harvest International, Inc.....	1239
Herschel Parts.....	457
HORSCH.....	824
J.Assy.....	VIT9528
John Deere.....	144
Kinze Manufacturing, Inc.....	841
KS i.....	1116
LDM Ag Services, LLC.....	446
Low Mu Tech.....	1147
Martin Industries LLC.....	210
Maschio Gaspardo North America.....	13S
Norwood Sales Inc.....	258
Poly Tech Industries.....	515
Precision Planting.....	1234
RK Products by Copperhead Ag.....	758
S.I. Distributing, Inc.....	857
Schaffert Mfg. & Sales.....	548
Schlagel Manufacturing.....	43S
Sensor-1.....	VIT9809
Sloan Express.....	VIT9308
Superior Tire & Rubber Corp.....	VIT9623
SurePoint Ag Systems, Inc.....	940
Thunder Creek Equipment.....	129

VIT = 9000 numbers
VIT = Varied Industries Tent

Thunderstruck Sales & Marketing.....	321
Väderstad.....	859
Yetter Farm Equipment.....	656

PONDS, LAGOONS & TREATMENTS

Iowa Limestone Producers Association....	VIT9422
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PRESSURE WASHERS & SUPPLIES

Acme Tools.....	523
Alkota Cleaning Systems, Inc.....	480
Banjo Corporation.....	654
Hotsy Cleaning Systems.....	42N
Mid American Tool Inc.....	VIT9521

PUBLICATIONS

Farmers Hot Line.....	VIT9326
Media Tent, Sponsored by BASF.....	744
Wallaces Farmer Hospitality Tent.....	625

PUMPS & ACCESSORIES

Ag Spray Equipment.....	1023
Banjo Corporation.....	654
Cadman Power Equipment.....	39S
Doda USA, Inc.....	1245
Eldon C. Stutsman, Inc.....	1345
Magnojet Industries.....	VIT9712
PIUSI USA, INC.....	VIT9620
Puck Enterprises.....	848
SKF Lincoln.....	840
SurePoint Ag Systems, Inc.....	940
TerreMax Liquid Handling Products, A Division of Green Leaf Inc.....	713
Unified Ag Solutions.....	434
Vari-Air.....	565

REAL ESTATE

Steffes Group, Inc.....	850
Sullivan Auctioneers LLC.....	VIT9328

REBUILDERS, REPAIR & REPLACE PARTS

All States Ag Parts, LLC.....	VIT9720
Magnojet Industries.....	VIT9712
Morton Buildings, Inc.....	534
Worthington Ag Parts.....	7N

RECREATIONAL VEHICLES

Bobcat Company.....	821
Can-Am.....	33N
Polaris.....	902

RECYCLING

Ag Container Recycling Council.....	VIT9413
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ROCK PICKERS

Custom Made Products Co.....	15N
Degelman Industries.....	1228
Loftness Specialized Equipment.....	246
Rite Way Mfg. Co.....	13N

Schulte Industries Ltd.	341
TerraClear	75

RUBBER TRACKS

CLAAS	828
Global Track Warehouse	1207
Loc Performance	145
Mud Hog	478
Pomp's Tire Service	847
Soucy International	159
Trackfarmer.com/Powerfarmer.com	VIT9619
Zuidberg North America Inc.	567

SCALES & SCALE CONVEYORS

Ag Express Electronics	VIT9724
Agrimatics	VIT9725
Central City Scale Inc.	1154
Fairbanks Scales Inc.	444
KSi	1116

SCRAPERS & BLADES

Apache Palco Henke Buffalo	42S
Ashland Industries Inc.	216
Brandt Industries USA Limited	606
Central City Scale Inc.	1154
Custom Made Products Co.	15N
Degelman Industries	1228
Hurricane Ditcher Company, Inc.	1150
Liebrecht Manufacturing LLC	845

SEED

Bayer	30S
Beck's	802
Benson Hill	VIT9218
Champion Seed	1321
Channel	960
Corteva AgriScience	634
DEKALB Asgrow	856
Farmers Business Network	1134
FS	660
Golden Harvest	702
Heartland Logistics Group	VIT9215
Hoegemeyer Hybrids	1222
Jacobsen Seed	553
Kruger	418
Miller Hybrids, Inc.	VIT9826
MY YIELD Seed Treaters	1326
NuTech Seed, LLC	19S
Pioneer	634
Saddle Butte Ag Inc./Bio Till	VIT9804
Stine Seed Company	1328
Supporting Our Soldiers	VIT9816
AGI SureTrack	1034
Syngenta	402
Syngenta Square	202
Wells Ag Supply	1124
Wyffels Hybrids	833

SEED HANDLING EQUIPMENT

ADS Bulk Seed Buggy / Pond-Tini	853
Agtronix / Ruitter Innovations	VIT9813
AGI Batco	1034
Central City Scale Inc.	1154

CrustBuster/Speed King Inc.	250
FS	660
Harvest International, Inc.	1239
J & M Manufacturing Co., Inc	345
JALTEST DIAGNOSTICS BY COJALI	VIT9806
Kongsilde Industries	712
KSi	1116
Lundell Plastics	358
Meridian Manufacturing Inc	817
MY YIELD Seed Treaters	1326
Sudenga Industries, Inc.	649
Unified Ag Solutions	434
Universal Industries, Inc.	125
USC, LLC	3S
Walinga USA Inc	414
AGI Westfield	1034

SEED TENDERS

ADS Bulk Seed Buggy / Pond-Tini	853
Clarks Ag Supply EasiLoad	307
CrustBuster/Speed King Inc.	250
Doyle Equipment Manufacturing Company Inc.	1310
Eldon C. Stutsman, Inc	1345
HitchDoc	1151
J & M Manufacturing Co., Inc	345
Meridian Manufacturing Inc	817
Norwood Sales Inc.	258
Unified Ag Solutions	434
Unverferth Mfg. Co., Inc.	616

SEEDERS

Bourgault Industries Ltd.	5S
Brillion Farm Equipment	224
Clean Seed Ag Technologies	254
Gandy Company	569
HORSCH	824
Intelligent Ag	VIT9805
Landoll Company, LLC	224
Maschio Gaspardo North America	13S
Poettinger US, Inc.	1157
Salford AerWay	234
Salford BBI	234
Superior Tire & Rubber Corp.	VIT9623
Treffler-Man@Machine	537
Väderstad	859

SHOP TOOLS & EQUIPMENT

12-D Construction, LLC	VIT9810
Acme Tools	523
SKF Lincoln	840
Stor-Loc	454
Triple Green Products	450

SHREDDERS

Balzer Inc.	1144
Calmer	1202
Hiniker Company	133
Loftness Specialized Equipment	246
RhinoAG, Inc.	1242

SKID-STEER LOADERS & ACCESSORIES

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VIT = 9000 numbers
VIT = Varied Industries Tent

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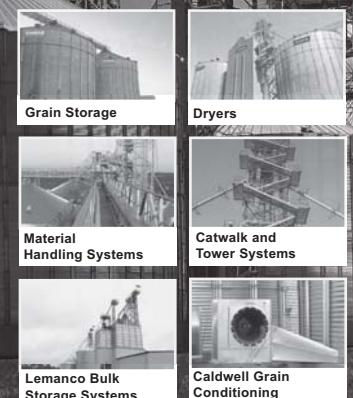
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Worthington Ag Parts	7N

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Port Industries	849
Trail King Industries, Inc.....	214
Triple Green Products	450

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