

# TheLife

Winter 2019

by NuTech Seed®



## Christmas Blessings

*One woman's mission to spread Christmas cheer*

## The gift list

*Ideas for the farmer who has everything*

## Holiday recipes

*Easy to make, perfect to share*



## Making the most of the off-season

*Enjoy a break from the field*

**2020**  
**Calendar**  
*inside*

**More**  
**HARVEST RESULTS**

**TAKE A DEEPER DIVE INTO THE DATA**

**NuTech**  
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## TO OUR READERS



## Time to celebrate the season

**T**o call 2019 a long season might be an understatement, yet, as the year draws to a close, many of us feel blessed to have harvested the bushels we did given the conditions.

And while the early part of the year may have been difficult, harvest is always special. It doesn't matter if it's your 6th harvest or your 60th, there's nothing better than the look on someone's face when they set foot in the combine. It might just be the ultimate expression of "Have you seen the corn today?"

The wonder of harvest is just one of the many things we pass down that strengthens our farms and our families. Every field, every crop, is like a chapter in a story. I hope during harvest you had a chance to share that story. To talk about what you've learned—this season and many seasons past—with those around you. Make time to listen to others, too. When we share our stories, we learn and grow together.

As we turn the page on this season, it's also a good time to ask the questions that will help us write our next chapters: What would I do differently next year? Where do I want to put my resources and time next season?

We are lucky that, at this time of year, we get to follow the magic of harvest with the magic of the holidays. Slow down and take in these moments. Celebrate a hard-earned season that was full of success, enjoyment and family. We did it—and we did it together.

On behalf of everyone at NuTech Seed, thank you for letting us serve you, and happiest of holidays to you and yours.



*Brad Damery*  
**Brad Damery**  
General Manager

**NuTech**  
Seed

## WHAT ARE WE TALKING ABOUT?

### Harvest results

NuTech growers from across the Central Corn Belt have been sharing their results with us, posting whiteboard photos of winning hybrids and varieties in their fields. Despite a rough start to the season for many, yields are looking good across our territory. Check out our F.I.R.S.T. Trials data and more customer harvest results on page 18.

### Many (little) hands make light work

Thanks to all the NuTech growers who have posted photos of their kids—and grandkids—participating in harvest this year. Whether they're keeping dad company in the cab, patiently waiting for a combine ride (like these two—see below) or just beaming from a ready-to-harvest field, we can't get enough of seeing the next generation living the NuTech Lifestyle.



### Taking a breather

With harvest 2019 in the books for most, we've been taking a minute to take a breath—and we hope you are, too. It's a festive time around the office as our thoughts turn to cherished holiday traditions, favorite meals and treats (check out the recipes on page 10) and spending some quality time with loved ones. Everyone here at NuTech Seed® wishes you a warm holiday season!

Follow NuTech Seed®





# *The* **Holiday** *Issue*

WINTER  
2019

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by NuTech Seed™

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Unique gift ideas for farmers and "farm-hers."







# What's happening at NuTech this season?



We're getting 2020 seed orders ready for delivery.

## PREPARING TO SHIP ORDERS

Even though many of us have barely recovered from a rough 2019 growing season, hope springs eternal—especially for farmers! If you're already looking ahead to next spring, don't forget about planning for your seed delivery. We've already gotten more than a little "frost on the pumpkin" in most parts of the Central Corn Belt, so NuTech dealers, territory sales representatives and drivers are planning ahead to make sure we have your seed in the right place at the right time. The early snow may indicate a harsh winter, which could reduce the number of days available for deliveries. Don't worry about what the calendar says and instead take advantage of our planned delivery dates while the weather is still cooperating. Be sure to contact your NuTech representative to get your delivery scheduled!

## PACKING FOR PANAMA

Our NuTech Getaway trip is just a month away, so it's not too early to start that packing list! Here are some tips from our travel agent.

### Get to know the climate:

Panama is the southernmost country in Central America, and thus it has a tropical climate. Temperatures stay between the upper 70s in the morning to low 90s during the day, and the humidity is consistently high. It also rains a lot, but when NuTech is there in January, it will be the drier season. Most of Panama is jungle or forest, and it has the most diverse wildlife of any Central American country.

### Packing suggestions:

- Loose-fitting and lightweight cotton clothing
- A light rain jacket or windbreaker (preferably with a hood)
- Closed-toe shoes or sneakers for excursions to jungle or rainforest



*Panama, which is slightly smaller than South Carolina, is where Central and South America meet.*

- Hat (may we suggest an iconic Panama hat? Check out the sidebar!)
- Mosquito/bug repellent (non-aerosol, so you can pack it in your suitcase)
- Sunscreen with SPF 30 or higher (non-aerosol, so you can pack it in your suitcase)
- Packing cubes, space bags or large, heavy-duty Ziploc®-type bags:

Great for packing in general, but also keeps your damp/wet clothing away from clean clothes

- Sunglasses
- Flip flops for pool and beach
- Several bathing suits: Remember, it's humid, so sometimes your suit may not dry overnight if you leave it outside. This way, you'll always have a dry suit.



## THE STORY OF THE PANAMA HAT

**THE PANAMA HAT IS ICONIC**—the woven material, the black band, the impeccable style. But did you know that the famous hat actually originated—and is primarily manufactured—in Ecuador?<sup>1</sup> So how did it come to be known as the Panama hat?

Panama hats are traditionally woven from Paja Toquilla, a plant that is indigenous to coastal Ecuador. Hats have been woven from it as far back as the Incan Empire.<sup>2</sup> Ecuadorian hat makers eventually emigrated to Panama, where larger ports meant more opportunity to trade their goods. As the hats became more popular, they became known as "Panama hats."<sup>2</sup>

Panama hats came to the U.S. in the mid-19th century when prospectors traveled via the Isthmus of Panama to join the California Gold Rush.<sup>3</sup> In 1898, the U.S. government ordered 50,000 Panama hats for troops in the Caribbean during the Spanish-American War.<sup>1</sup> But the hat's popularity really soared in 1906, when President Teddy Roosevelt was photographed wearing one during the construction of the Panama Canal.<sup>1</sup>

<sup>1</sup> The Panama Hat Company, <https://panamahats.co.uk/history-of-panama>  
<sup>2</sup> <https://blog.ultrafino.com/history/2018/08/iconic-panama-hat-got-name/>  
<sup>3</sup> <https://ultrafino.com/blogs/articles/the-complete-panama-hat-history>

## HOSTING WINTER EVENTS

Be on the lookout for special NuTech happenings in your area. Keep in touch with your NuTech representative—we've got some fun, local lifestyle and customer appreciation events in the works.







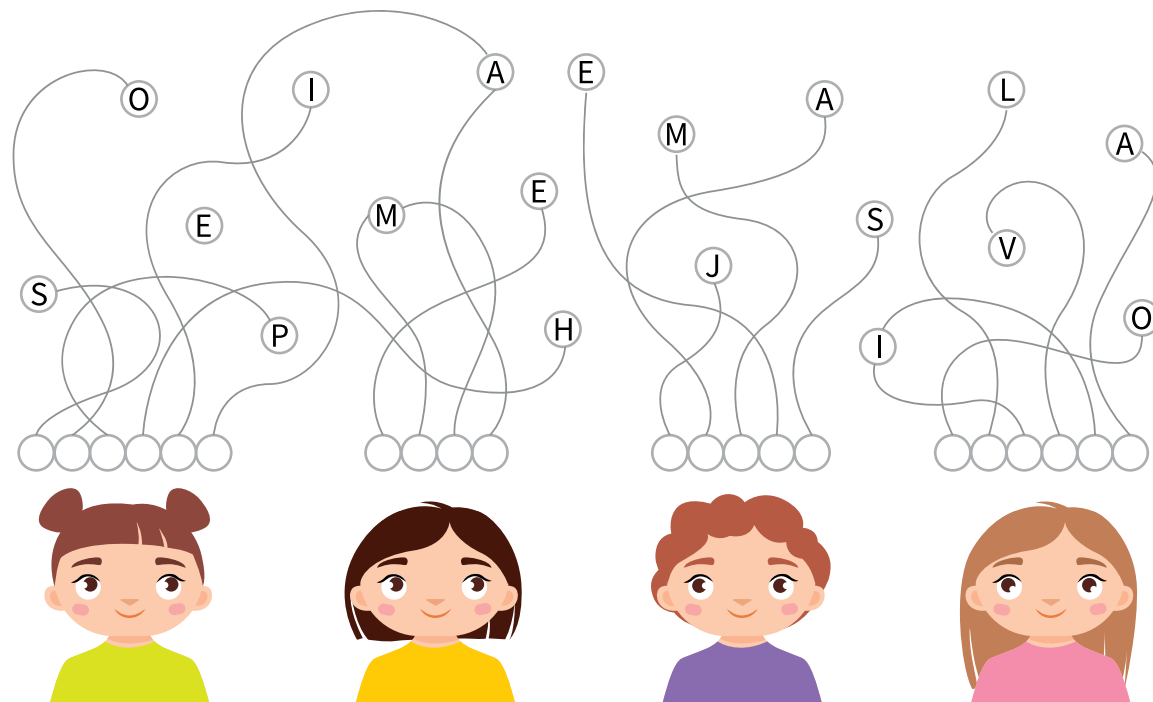
# Activity page

Fun puzzles, games and more—just for kids!

Find the two matching sweaters



What are the names of the children?



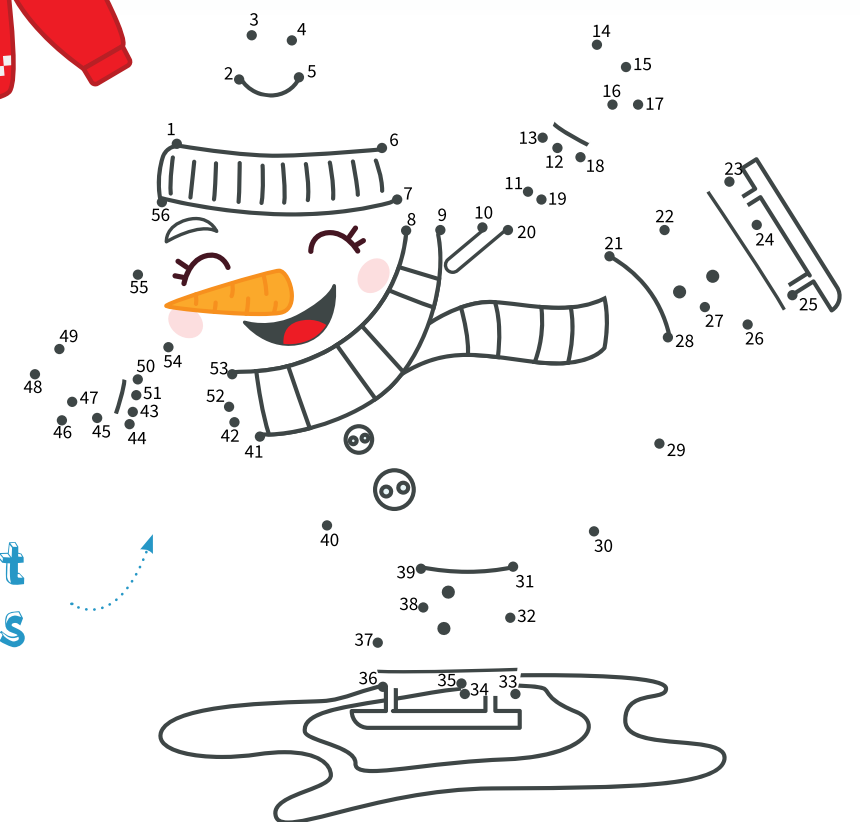
Help Santa get to the chimney!



Find 5 differences



Connect the Dots







# Discover a new holiday favorite!



## Sage and sausage stuffing

Submitted by Chelsea Lanham  
Hawesville, KY

Use 1 lb. of meat per package of stuffing to serve this as an entrée, or double the amount of stuffing and serve as a holiday side dish.



1 lb. sage ground sausage  
1 pkg. of your favorite box/bagged stuffing (I used Stove Top-brand, chicken flavor)  
1 small onion, diced (optional)  
Mushrooms (optional)  
Dried cranberries (optional)  
Shaved almonds, or nut of your preference (optional)

Brown sausage. Set aside. Sauté onions in pork drippings until they are translucent. Prepare your boxed stuffing according to package directions. Mix all ingredients together once stuffing is prepared. Add in any of your favorite stuffing additions (see above for ideas). Press into a baking dish and place under broiler on high until the top is browned to your liking.

## Cut-out butter cookies

Submitted by Shyann Warren  
Bolivar, MO

This recipe comes from my mom. We made these most holidays growing up.

2 ¼ cup flour	1 cup sugar
1 ½ tsp baking powder	2 eggs
1 cup butter	1 tsp vanilla

Cream together butter and sugar, then add eggs and vanilla. Mix well, then add flour and baking powder. Chill thoroughly (4 hours). Roll out very thin and cut with cookie cutters. Place on lightly buttered cookie sheet and bake at 400° for 6-8 minutes. Be careful not to overbake. Decorate with icing and sprinkles.

### Simple icing recipe:

1 cup powdered sugar  
1/2 tsp vanilla  
1-2 Tbsp milk

Combine sugar and vanilla. Add milk until icing has a spreadable consistency. The icing will thicken when it sets up.



▲  
Icing these butter cookies is fun for all ages.

## Corn casserole

Submitted by Emily Cler  
St. Joseph, IL

My favorite dish to make every year is corn casserole, using the sweet corn we grow at the farm. I've made this casserole almost every year with my stepmom. It's such a simple dish, but it's something I look forward to.

1 package frozen sweet corn (or equivalent fresh)  
1 can creamed corn  
1 cup sour cream  
1 stick melted butter (1/2 cup)  
1 box Jiffy corn muffin mix  
1 egg

Preheat oven to 350°. Combine ingredients in a medium-large casserole dish. Bake for 45 minutes or until the middle is cooked through.



## Caramel corn

Submitted by Noelle Brooks  
Fulton, MO

Caramel corn is my traditional go-to. This no-fail version makes it crispy and light without it getting sticky and tough. This is such a popular recipe that I threaten my husband I'm going to use our seed treater in the off-season to help mix the batches!

3 bags, light-butter microwave popcorn, popped (about 16 cups)  
1 ½ cups brown sugar  
12 Tbsp butter  
6 Tbsp corn syrup  
½ tsp baking soda  
½ tsp vanilla

Line sides and bottom of a large roasting pan with non-stick foil. Place popped corn into the pan, removing all un-popped kernels. Set aside.

In a saucepan, melt butter, brown sugar and corn syrup, stirring constantly over medium heat until boiling. Continue to boil for 5 more minutes without stirring. Remove from heat and stir in baking soda and vanilla. Pour mixture over popped corn in roasting pan, stirring well to coat. Bake at 300° for 15 minutes. Stir well and bake another 15 minutes. Give it a final stir, and bake 5 more minutes. Spread onto non-stick foil to cool. Break apart and store tightly covered.



# Have you seen the corn today?

AT THE MOMENT, PAUL BUTLER'S FIELDS ARE AT REST, BUT HIS MIND ISN'T.

"As I look out my window, I'm a little concerned we didn't get our fall burndown done like we normally like to do. I didn't want to stop picking corn to get the sprayer out," he says. "I'm heavy no-till, but I still only got about half of my tillage done, and I won't be able to do the rest."

His fields may be muddy today, but his plans for next year are already becoming clear.

As he looks over his corn fields, Paul says, "I'm thinking: How am I going to make this no-till work even though I have heavy pressure in those fields? I may need to change my chemical plan. I'll probably switch to 32% nitrogen and do side dressing in June. I'll plan for that now. I am always trying to learn from past years, and the lesson I learned this year is don't give up on fungicide. It pays to do it, so that's in my plans next year."

Paul's focus moves next to his bean plots. "I'm also going to go with Enlist E3™ soybeans next year. I like that I can do burndown with dicamba and then come back with something potent like 2,4-D [choline]. I certainly don't want a very ugly bean field next year that I have to look at."

Paul hasn't pulled his 2019 yield data yet, but will spend the winter reviewing it. "I have some fields that are wet and some that are very well-drained, and I try to see if I had a hybrid that fell short and note where to put those hybrids in the future."

Paul doesn't farm full-time—he's also a software development manager—so when he looks out on his fields, he knows he can continue to rely on NuTech for help next season. "I look for that little extra service from my NuTech guy—helping me out in the off-hours."



It's a question we ask each other every day at NuTech Seed®. We believe it's our privilege to wake up every morning and see the corn—and soybeans and more—and the people who grow them.

Watch for more "Have you seen the corn today?" stories in The Life magazine and on our social media all year long as we share our appreciation for the farms and farmers we serve.

**NuTech**  
Seed





# The Lifestyle

## 2019 Gift Guide

AS WE HEAD INTO THIS HOLIDAY SEASON, there are many things that are needed on the farm...but since we can't help secure a trade deal or influence Mother Nature, we wanted to lend a hand in generating some gift-giving ideas for that special someone—the farmers and farm-hers of the operation.

For the farmers buying for a farm-her this season, keep in mind that the sentiment of a heartfelt gift is never lost. Farms, much like the families who sustain them, are multigenerational—adding just the right touch of your farm's antique charm under the tree is the way to go this season, and an extra touch of personalization never hurts.

To the farm-hers: Farmers are functional and appreciate the same. We've scoured the web and exhausted our sources putting together a few of the go-to gifts that are sure to make the farmer in your life better equipped this season.

### A Farm-her Wish List

#### 1. CUSTOM FARMHOUSE SIGN

Whether it's a board from Grandpa's barn or a commercial piece with your farm's establishment history, a custom farmhouse sign is always a welcoming sight in a kitchen or as an accent piece on the living room wall. To find a maker that fits your needs, check out Red Roan Signs, LLC, or the talented folks on Etsy. Visit [www.etsy.com](http://www.etsy.com).



Pictured: Farmhouse family established wood sign, [redroansigns.com](http://redroansigns.com)



Pictured: Customized bracelet from Keep Collective

#### 2. A PIECE OF JEWELRY SHE IS SURE TO KEEP

Necklaces, rings and bracelets personalized with a special date, a meaningful charm, the names of children or a special phrase are always a good way to let her know that you know what is important to her. A one-stop-shop for all of the above is the Keep Collective Company. Brand representatives and company designers can help you pick the right color and jewelry piece that she will cherish for years to come. Find her next keepsake at: [www.keepcollective.com](http://www.keepcollective.com).

#### 3. THE GETAWAY GIFT

The gift of memories is always a safe bet when you're wondering what to give your farm-her. A night away at the Pioneer Woman Lodge and Boarding House in Pawhuska, OK, or a winery tour in Hermann, MO, are sure to be memory makers. Include a gift card for the Mercantile or Hermann Chamber of Commerce to allow her to bring a piece of the experience home. For Pioneer Woman Boarding House room availability visit: <https://www.pwboardinghouse.com>, or talk to the folks in Hermann about a wine tour by visiting: <https://visithermann.com/chamber-of-commerce>.



Photo courtesy of The Boarding House

### The Essential Farmer Gift List

#### 1. HEATED OUTERWEAR

January is approaching, and according to the Old Farmer's Almanac, it is bringing frigid and snowy conditions with it. Help your farmer stay warm and dry this winter with a heated jacket and glove liners. The products have come a long way since hitting the market a few years ago, and now offer the flexibility of being washable and battery-free. Check out Amazon for the best options and reviews by searching: ORORO, Milwaukee and PKSTONE.



Pictured: PKSTONE Heated Vest, [Amazon.com](http://Amazon.com)



Pictured: Polaris cooler, [atv.polaris.com](http://atv.polaris.com)

#### 2. UTV ACCESSORIES

From Gators and Rangers to Pioneers and Mules, nearly every farm is equipped with a UTV these days, and each brand offers unique accessory solutions to make a farmer's life a little easier. This Christmas, consider putting a cooler, storage box or t-post hauler UTV add-on under the tree. Make sure you know which machine make and model you're buying for, and don't hesitate to reach out to your local dealer with questions.

#### 3. LIFEPROOF LIFEACTIV POWER PACK WITH BUILT-IN FLASHLIGHT

Keep your farmer charged up with this easy-to-use, rugged power pack that can charge any smart device, both wirelessly and through a cable. The LIFEACTIV charger is waterproof, drop-proof, dirt-proof and snow-proof—a challenge you know your farmer will accept. The built-in flashlight feature offers an added perk! Find the power pack at Best Buy or online through Amazon.



Pictured: LIFEACTIV Power Pack 10 Qi Wireless, [lifeproof.com](http://lifeproof.com)



# SHARING CHRISTMAS *Blessings*

*Stacie Lewis is on a mission to deliver a magical Christmas for kids in need*

“DO YOU HAVE A CHRISTMAS TREE? WE DON’T EVEN HAVE A CHRISTMAS TREE THIS YEAR.”

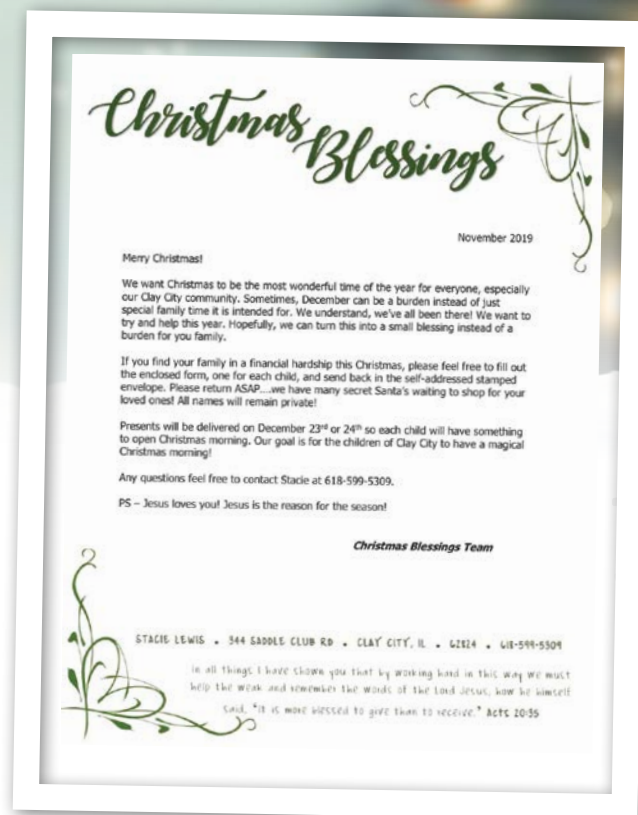
These were the heartbreaking conversations Stacie Lewis was having with the students at her local school, where she often volunteers and substitute teaches. She knew she had to do something.

Stacie and her husband, Darren (a NuTech DSM), live in the small community of Clay City, IL—population about 1,000. Many in the town have fallen on difficult times, and kids tend to bear the brunt. Most of the students in Clay City’s K–12 school are on free or reduced lunch. When the weather gets cold, they show up without proper coats. Stacie recalls one little girl who had to sit out of gym class because she was wearing snow boots—with two left feet. They were all she had to wear to school that day.

Stacie decided Christmas would be the perfect opportunity to help Clay City’s kids. She started Christmas Blessings last year as a way to provide what she calls a “magical Christmas” for every kid in town who desperately needed one—all the way up to the seniors in high school.

Stacie channeled her enthusiasm for the holiday and a deep sense of faith into Christmas Blessings. She made it her mission to help every child experience the kind of magical Christmas—full of belief and love—that she tried to create for her three kids throughout their childhoods. (The Lewis family must do Christmas right. Stacie shares that her recently married daughter is already lamenting having to miss Christmas morning with the family this year.)

Stacie started by working with the school—talking to the nurse, superintendent and teachers—those who best know which students and families could use some Christmas help. She then prepared a



form and letter to go home, gently encouraging parents to take advantage of Christmas Blessings. “Sometimes, December can be a burden instead of just special family time,” her letter states. “Hopefully, we can turn this into a small blessing instead of a burden for your family.” Included with the letter is a simple Christmas wish list, with space to fill in: things I want, things I need, things to wear and things to read. This assures each kid will get a variety of gifts, including something special and fun. “I don’t want the families to focus on the financial setback. I want them to focus on each other and what family is all about and, of course, the reason we celebrate the season!” Stacie says.

Once lists are in hand, Stacie and her network of Secret Santas get to work. Each volunteer Secret Santa agrees to take on at least one wish list, but many choose to shop for multiple kids. Lists are kept strictly confidential. Secret Santas are only assigned a code—not a name—to shop for.

Shopping itself is an important part of the gift. The nearest mall is almost two hours away. Secret Santas (there were 24 last year) purchase the gifts with their own money, but last year, Stacie did receive some monetary donations which volunteers used on their shopping trips. Some Secret Santas find their generosity overflowing. One volunteer last year purchased two bikes for a pair of siblings. When they were delivered, the father’s eyes filled with tears.

Other volunteers help Stacie wrap the gifts. Stacie tries to ensure each child receives at least 3-5 gifts. Last year, the program served 90 kids, so that adds up to hundreds of presents to wrap. “You should see my house during that time,” Stacie says, but it’s clear she loves it. Stacie recruits her family—husband, son and daughters—to help with wrapping and shopping, too. “My son has learned you actually *can* find some cool things at Walmart®,” Stacie jokes.

Once gifts are wrapped and ready, the “magical” part begins. Stacie places the presents for each family into a large black trash bag and ties it up with a bow to look like a drop-off from Santa. Deliveries are made discreetly, to keep the presents a secret from the kids and maximize the magic on Christmas morning.

But Stacie remembers one delivery last year, where she could see small hands on the windows and detected some peeking eyes. She didn’t consider it’s spoiler. “Sometimes the magic happens on Christmas morning,” Stacie says, “but sometimes, it is magical just right during that moment.”

Last year’s program was such a success, Stacie started earlier on her 2019 plans, and before Thanksgiving, she had already distributed 70 wish lists to families. One of her Secret Santas has already pledged to shop for six kids. While Stacie likes to get lists back as early as possible, she will help families all the way up until Christmas. “Some families are too proud to send back the lists,” she says, “But then it will be two weeks before Christmas and they will ask, ‘Is it too late? I have a big electric bill and once I pay that, there won’t be anything left for Christmas.’ I tell them, ‘We’ve got you.’”

Stacie primarily spreads the word about Christmas Blessings through social media. Most donations come from the community, but last year, one of her relatives in Kansas sent a generous cash donation after seeing her post on Facebook. This year, she is also soliciting support from local businesses.

**“I will make sure that every child will have a magical Christmas morning, on my own if I have to.”**

Although Stacie hopes to have ample Secret Santas to cover this year’s wish lists, she pledges that no list will go unfulfilled. “I love all these kids. I will make sure that

every child will have a magical Christmas morning, on my own if I have to,” she says.

Christmas Blessings is perhaps just as fulfilling for the volunteers as it is for the gift recipients. “Volunteers absolutely love it,” Stacie says. “Some of them said, ‘I can’t believe kids don’t have Christmas presents.’ It’s right under our nose, but sometimes you don’t know it until it’s brought to your attention.”

“I feel blessed that my family is a part of the NuTech Lifestyle: success and working hard, enjoyment and celebrating our success and family and doing all of this with the ones who mean the most,” Stacie notes. “I compare it to what I’m trying to do with Christmas Blessings. The good Lord has chosen some of us to share the blessings that we have been given and give to others. To help them make the most of their happy times with their family.”

For Stacie, Christmas Blessings comes down to love. “Some of these kids don’t have love,” Stacie says, “And it’s heartbreaking. The love of Jesus and the love of my community is the focus of all of this. That’s where my heart is.”

**If you’d like to learn more about donating or volunteering for Christmas Blessings, contact Stacie Lewis at 618-599-5309, or [staclew@hotmail.com](mailto:staclew@hotmail.com).**





# NuTech welcomes Corteva Agriscience™ colleagues from Brazil

Visitors received key insights into Enlist E3™ soybeans in preparation for launch in their country



**By Scott Davis**  
Warehouse and Supply Lead



NuTech was pleased to welcome several of our Corteva colleagues from Brazil in November to share our experiences with the launch of Enlist E3™ soybeans. Left to right: Lucio, Allen, Pedrosa, Braga, Pflug, Damery, Simpson, Davis.

**W**hen Central Illinois brings you several inches of snow and record cold in early November, what do you do? At NuTech, we welcomed some of our Corteva colleagues from South America, who left much warmer weather to learn about our experiences with Enlist E3™ soybeans.

The group was here to help prepare for the launch of Enlist E3 soybeans in Brazil, which is slated for 2022. Our visitors were Christian Pflug, Director – Commercial Leader Enlist™/ Cordius™; João Barros Braga, Licensing Leader; Manoel Pedrosa, Enlist & Core Herbicides Portfolio Leader; and Felipe Lucio, Herbicides Biology Leader. They

were joined by David Simpson, Global Biology Leader for Corteva. The purpose of their visit was to provide a well-rounded view of Enlist E3 soybeans and the Enlist™ system. In addition to their stop at NuTech, the group also met with agriculture professors from the University of Illinois and Purdue University, toured a production grower operation and visited with the Corteva Enlist teams in Indianapolis, IN. NuTech was selected as one of the stops on this visit because of our depth of experience with Enlist E3 soybeans. Once our visitors got over the unseasonable chill—we handed out some NuTech stocking caps to keep

them warm—they were eager to hear what we’ve learned from our launch of Enlist E3 soybeans. Brad Damery, NuTech General Manager, shared our strategies around building our business and specifically our evolution into an Enlist E3 soybean company. We shared our experiences with other herbicide—tolerant traits and how we utilized those previous learnings to successfully launch Enlist E3 soybeans in the spring of 2019. I had the chance to explain our Enlist E3 soybean product offering, including the range of maturities and their agronomic attributes, and, finally, the performance we’ve seen so far in the fall of 2019. Damery emphasized the importance of advocacy with our sales team and dealers in the field. The Enlist system offers many benefits, and it’s important to have local growers experience those benefits so they can help spread the message about Enlist E3 soybeans. We were able to emphasize the excellent grower experience that our customers

had this year with the Enlist system and showcased that, for many growers, it’s not only about performance, but the ease of using the system. In turn, we were interested to learn how the marketplace in Brazil differs from ours here in the U.S. Central Corn Belt. Pflug explained that soybeans are a primary crop in Brazil, as opposed to corn being the primary crop for many of our NuTech customers. He also said there’s a need for insect-resistant soybeans in their market and shared that they would be launching Conkesta E3™ soybeans, which provide both insect and herbicide resistance. We also talked a lot about preparing sales and customers for the launch of Enlist E3 soybeans. NuTech has hosted many training events and field days to prepare our sales team



over the past few years. This is key to building the technical base to support this new product. Nicole Allen, Marketing and Sales Support Lead, shared our strategies around Enlist E3 promotion and the role social media plays in quickly and efficiently spreading performance stories about our varieties and the Enlist system. Interest in social media and how it can support the Brazilian launch was an important part of our discussion. Braga, Pedrosa and Lucio offered their insights on the Enlist herbicide systems and trait licensing in Brazil. Simpson explained the relationships between U.S. and Brazilian needs from the Corteva vantage point, which was interesting and provided our team with more of a global perspective. Despite the differences between our markets, we learned one thing tends to be universal for growers around the world: constant battles with weed management in crop production

**...IT’S NOT ONLY ABOUT PERFORMANCE,  
BUT THE EASE OF USING THE SYSTEM.**

systems. It was a real pleasure to have the opportunity to help our colleagues leverage our experience with new technologies like Enlist E3 soybeans to better serve the needs of growers in Brazil. We hope they’ll come back and visit us again in the future—and we’ll do our best to arrange for better weather!



# More HARVEST RESULTS

**SINCE THE PUBLICATION OF OUR LAST ISSUE,** we've continued to receive reports from the field about the 2019 harvest. We wanted to share more of those results with you here, including winning NuTech varieties and hybrids from farms across the Central Corn Belt.

**239.98 BU/A**  
**239.55 BU/A**  
**235.53 BU/A**

Tama Co., IA



NuTech DSM Kyle Strohbehn and TSR Cordt Holub report strong finishes for 71C1PCR™, 8808AM™ and 65H2Q™ at Holub Land Farms.

**251 BU/A**

Grinnell, IA



Doug and Ken Hoskbergen of KDD Farms were getting 251 bu/A at 17.9% for 308AM™.

**232.37 BU/A**

Marshall Co., IA



Trent Wentzien of HT Seed shows off results for 5FB8808AM™.

**230 BU/A**

Watkins, IA



71C1PCR™ was yielding 230 bu/A at 19% for Larry Henkes.

**242 BU/A**

Minburn, IA



Blair Luellen has seen the corn today, and 71C1PCR™ is performing well!

**211.8 BU/A**

Oxford, IA



OA-709™ gets the best yield ever in this field on sandy ground at Jiras Farms.



250.62 BU/A  
249.92 BU/A  
247.68 BU/A  
Buchanan Co., IA



Ron and Brenda Nelson had three top performers on their fields: 1111AM™, 65H2Q™ and 66B6Q™.

200 BU/A  
Kingdom City, MO



Shryock Bros., Inc. pulled in a solid field average with 75Y1™.

270.1 BU/A  
241.3 BU/A  
Lincoln, IA



Harry Wentzien lets us know that 504AM™ is doing big things. 601AM™ is also yielding well for HT Seed.

82 BU/A  
Norborne, MO



Rob Korff is seen here preparing to harvest his soybean plot in 20-degree weather. Enlist E3™ soybean results were looking strong with 33N03E™ hitting 82 bu/A!

272.05 BU/A  
266.75 BU/A  
263.55 BU/A  
Grundy Co, IA



NuTech DSM Kyle Strohbehn shows off another win for 68B3AML™, plus strong yields for 9909AM™ and 70B2Q™.

200 BU/A  
Solon, IA



Travis Spevacek was running 200 bu/A with 71C1CV™.

## 2019 IOWA CROP IMPROVEMENT ASSOCIATION RESULTS

### 2019 Iowa Crop Improvement Association Results Top 10 Finishes

RANK	NUTECH BRAND	YIELD	LOCATION	TEST
1	E62A8Q™**	218.4	North District	Early
4	68B3AML™**	237.9	Central District	Early
5	5FB-9909AM™**	237.8	Central District	Early
8	5FB-2213AM™**	224.8	Central District	Full
3	5FB-2213AM™**	210.5	South District	Full
8	78A1AM™**	207.2	South District	Full

## 2018-2019 IOWA CROP IMPROVEMENT ASSOCIATION RESULTS

### 2018-2019 Iowa Crop Improvement Association Results 2-Year Performance

RANK	NUTECH BRAND	YIELD	LOCATION	TEST
6	5F-601AM™**	206.0	North District	Early
7	5FB-9909AM™**	208.8	North District	Full
8	5FB-8808AM™**	207.8	North District	Full
1	5FB-9909AM™**	243.3	Central District	Early
3	5FB-8808AM™**	238.3	Central District	Early
2	5FB-2213AM™**	235.5	Central District	Full
7	5FB-9909AM™**	208.4	South District	Early
3	5FB-2213AM™**	213.6	South District	Full

## 2019 UNIVERSITY OF KENTUCKY HYBRID TRIALS

RANK	NUTECH BRAND	YIELD	LOCATION	TEST
7	5FB-8808AM™**	208.7	Overall	Early
5	78A1AM™**	220.7	Overall	Late
6	5FB-8808AM™**	227.6	Caldwell	Early
8	5FB-9909AM™**	217.3	Caldwell	Early
3	75G1AM™**	264.8	Caldwell	Medium
5	5TB-6313AM™**	263.6	Caldwell	Medium
8	78A1AM™**	249.9	Caldwell	Late
2	5FB-1111AM™**	243.1	Daviess	Early
7	75G1AM™**	241.5	Muhlenburg	Medium
1	68B3AML™**	208.8	Muhlenburg	Early
7	5FB-8808AM™**	192.7	Muhlenburg	Early
8	5FB-9909AM™**	192.4	Muhlenburg	Early
7	78A1AM™**	210.9	Muhlenburg	Late



# 2019 F.I.R.S.T. TRIAL TOP 10 FINISHES

NUTECH BRAND	LOCATION		RANK	YIELD
56A7Q™*	IANO	BRITT, IA	10	254.1
	IANO	EMMETSBURG, IA	4	270.3
	IANO	PAULLINA, IA	4	197.1
	IANO	PLYMOUTH, IA	5	199.1
	IANO	SUMMARY	5	230.5
5F-196AM™*	IANO	PAULLINA, IA	1	206.8
5FB-1111AM™*	ILWC	PRINCEVILLE, IL	5	240.7
	ILWC	WILLIAMSVILLE, IL	10	242.9
	MONO	GREENTOP, MO	9	196.5
	MONO	ST. JOSEPH, MO	2	212.1
	IAEC	WASHINGTON, IA	3	273.6
	ILNO	GRAND RIDGE, IL	6	271.3
	ILNO	SUBLETTE, IL	2	277.7
	ILWC	PRINCEVILLE, IL	2	250.9
	IAEC	VICTOR, IA	5	246.3
	IASO	CAMBRIA, IA	4	213
	ILEC	GRIDLEY, IL	3	246.7
5FB-8808AM™*	ILEC	WATSEKA, IL	5	240.6
	ILNO	MAZON, IL	7	205.2
	ILNO	SUBLETTE, IL	3	266.2
	ILSO	EFFINGHAM, IL	8	264.9
	NCTS	MANCHESTER, IA	9	245.5
5FB-9909AM™*	IASO	CLARINDA, IA	8	158.9
	IASO	FARRAGUT, IA	5	228.8
	ILEC	GRIDLEY, IL	7	236.5
	ILEC	TOLUCA, IL	2	209.8
	ILNO	TAMPICO, IL	1	232.8
	ILWC	JACKSONVILLE, IL	10	255.5
	ILWC	MACOMB, IL	8	252.8
	ILWC	PRINCEVILLE, IL	3	247.1
	ILWC	SUMMARY	4	241.8
	ILWC	VIRDEN, IL	3	254.8
	NCTS	MANCHESTER, IA	1	260.9
	NCTS	PEARL CITY, IL	7	238.7
	NCTS	SUMMARY	10	258
	ILNO	GRAND RIDGE, IL	5	230.3
	ILNO	TAMPICO, IL	6	220.1
64D1YHR™*	ILNO	GRAND RIDGE, IL	4	237.6
	ILNO	MALTA, IL	7	211.9
	ILNO	MAZON, IL	9	193.1
	NCTS	MANCHESTER, IA	2	245.1

NUTECH BRAND	LOCATION		RANK	YIELD
64D1YHR™*	NCTS	MILES, IA	8	285.9
	NCTS	MILLEDGEVILLE, IL	10	269.1
	NCTS	POSTVILLE, IA	8	255.4
	NCTS	SUMMARY	1	256
65H2Q™*	IANC	GREENE, IA	9	244.7
	IANC	PLYMOUTH, IA	3	206.9
	IANC	SUMMARY	7	230.7
	NCTS	POSTVILLE, IA	9	250
66B6Q™*	ILNO	GRAND RIDGE, IL	5	256.8
68B3AML™*	ILSO	BELLEVILLE, IL	6	263.4
	ILSO	FLORA, IL	3	237.7
	IANC	IOWA FALLS, IA	3	246.2
	ILEC	TOLUCA, IL	9	199.1
	ILNO	MALTA, IL	4	230.2
	ILWC	JACKSONVILLE, IL	9	255.6
	MOCE	PORTAGE DES SIOUX, MO	7	245.3
	NCTS	MILLEDGEVILLE, IL	5	283.8
	NCTS	PEARL CITY, IL	8	237
	NCTS	SUMMARY	7	258.8
69A6Q™*	ILSO	MARION, IL	1	251.7
	ILNO	GRAND RIDGE, IL	1	265.9
	ILWC	GALVA, IL	6	216.3
	ILWC	SUMMARY	10	238.3
70B2Q™*	ILEC	WATSEKA, IL	9	235.3
71C1PCR™	IASO	FARRAGUT, IA	4	234.1
	ILNO	TAMPICO, IL	4	249
74J1AML™*	IAEC	WASHINGTON, IA	1	277.2
	ILWC	JACKSONVILLE, IL	9	250.2
	MOCE	CONCORDIA, MO	10	218.9
	MOCE	MALTA BEND, MO	8	265
	MOCE	SUMMARY	9	241.7
	ILSO	MARION, IL	4	259
75G1™*	ILEC	TOLUCA, IL	4	225.4
	ILEC	TUSCOLA, IL	8	212.4
	ILWC	GALVA, IL	7	221.8
	ILWC	JACKSONVILLE, IL	7	251.6
75G1AM™*	ILSO	MARION, IL	4	259
	MOCE	MALTA BEND, MO	5	272.5
	MOCE	PORTAGE DES SIOUX, MO	2	252.1
	MOCE	SUMMARY	5	245.5
E62A8Q™*	NCTS	MANCHESTER, IA	10	231.2
75D2AM	IASO	CAMBRIA, IA	8	208

Multi-year and multi-location information is a better predictor of future performance. Hybrid and variety responses are variable and subject to any number of environmental, disease and pest pressures. Refer to an authorized dealer for the latest and complete listing of traits and score for each product. All products are trademarks of their manufacturer.

\*G2® brand seed is distributed by NuTech Seed, LLC. \*G2 is a registered trademark of Pioneer. © 2019 Corteva.



# MAKING TIME FOR FAMILY AND FOOTBALL



**T**he Branyan Farm, in Assumption, Illinois, was founded nearly 150 years ago. Jim is a fourth-generation farmer, and someday he and his wife Chelli hope to pass the farm on to their son, Beau.

For now, Beau, 20, is an agribusiness economics major at Southern Illinois University. He's also #76, offensive tackle for the Southern Illinois Salukis.

Football has become a big part of life for the Branyans, so much so that they work the farm around Beau's football schedule. Southern Illinois is in Carbondale, about 150 miles from the farm, but Chelli and Jim travel to all of Beau's home games, and some of the away games as well.

Chelli says it was easier when Beau was in high school and his Friday night games were in nearby Decatur, Ill., but they make college football weekends a priority. Chelli and Jim travel to as many of Beau's games as possible. Massachusetts and South Dakota proved a little too far from the farm for a weekend trip, but they've been to games as far away as Jonesboro, Arkansas, a good day's drive.

On game weekends, Jim works on the farm until Friday, then they travel to watch Beau play on Saturday and head home on Sunday. It makes for a busy schedule, but Chelli wouldn't trade it.

"We feel very fortunate that we can follow his football career and help make his dream come true. We don't take it for granted. You never know what tomorrow's going to bring, so we make it a priority to get there to watch him play."

Beau started playing football in 4th grade. Even though kids didn't usually start in the junior football league until at least 5th grade, "If you were big enough, you could start on a smaller team," says Chelli. Beau has always played offensive tackle. Chelli says, "He's always been on the line because he's a big boy!"

This is Beau's first season playing for the Salukis. He's hoping for a successful college football career, and eventually the chance to play in the NFL.

In addition to playing football, Beau has always helped out around the farm. He continues to help, even while he's in college. Chelli says Beau works on the farm every chance he gets. Campus is two-and-a-half hours away, but if Beau has a long weekend, he'll head for home to help out. Chelli says the first thing he wants to do is hop on the tractor.

During harvest, Beau runs the grain cart. During planting season, he's in charge of filling the planters, putting his strength to good use.

The Branyan daughters, Blair, Bailey and Bradi, live nearby with their families. They all come to help on the farm or bring the kids for lunch and tractor rides.

The Banyans embody the spirit of the NuTech Lifestyle: Success, Enjoyment and Family. Chelli thinks it's important for them to make time for all three in their lives.

"Jim's dad died at a young age and my parents are both gone. We see what they missed in terms of time with their families. We've worked to make time for our children and the things they've been interested in—from showing cattle to playing football."

Chelli and Jim realize how much their support for Beau and his sisters has made a difference to them, and to her grandkids.

"The investment in our children shows in the next generation. If we can raise great, productive kids, that's better than any money," says Chelli. "I think farm kids have the best life. They're grounded, and their work ethic is awesome. I hope they carry it on with their children."

Chelli sees that work ethic in the NuTech team, too. The Branyans enjoy working with NuTech and its staff, even through multiple transitions. "We've been with the same dealer. The employees haven't changed. You know you're working with a good company when they hold onto those good employees."

Chelli says the support they receive from NuTech is something special. Their sales representative is Scott Brockelsby and Chelli describes him as reliable and helpful, always willing to go the extra mile and put in extra hours when they need a little more support.

Someday, when he takes over Branyan Farm, Beau will be in the field, hopefully still planting NuTech Seed. In the meantime, #76 will be on the front line, helping the Salukis win their next game.

**"I THINK FARM  
KIDS HAVE  
THE BEST  
LIFE. THEY'RE  
GROUNDED,  
AND THEIR  
WORK ETHIC IS  
AWESOME."**





# The Life

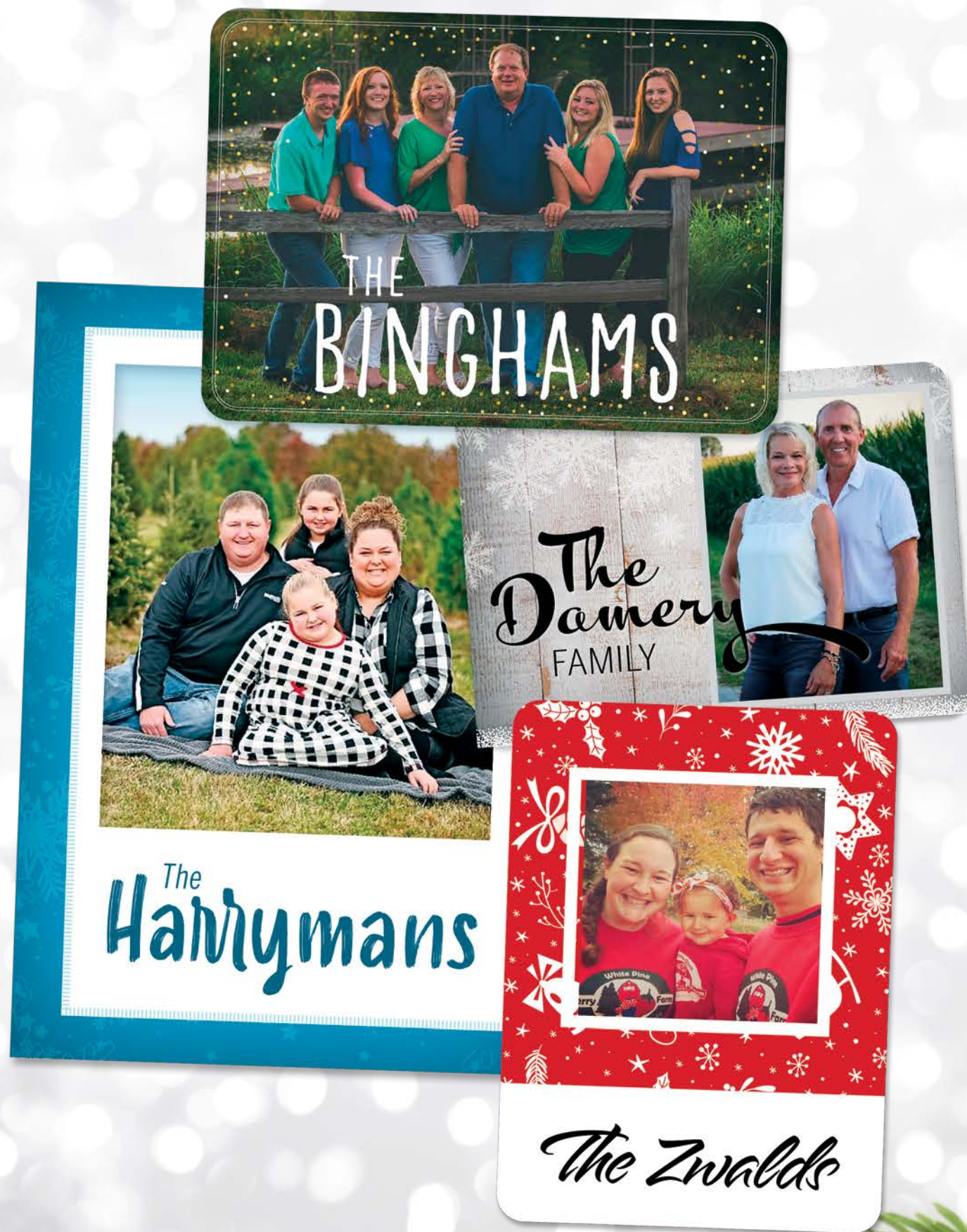
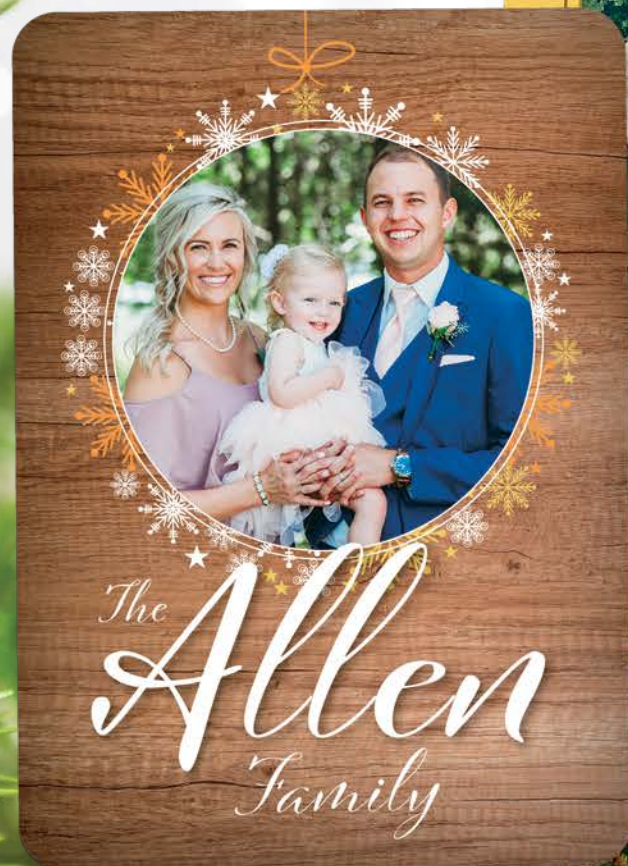
in pictures

Season's greetings from all of us at NuTech!  
We hope your season is merry, bright and joyful.  
Thank you for letting our family serve yours this year.

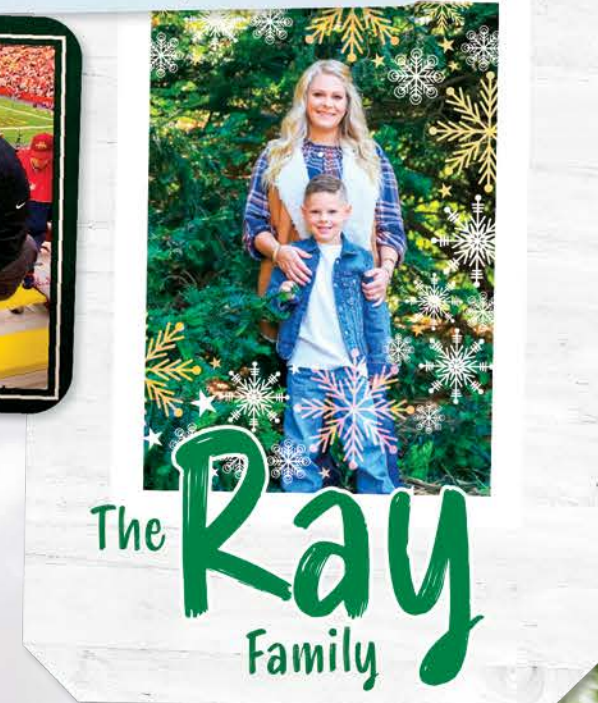
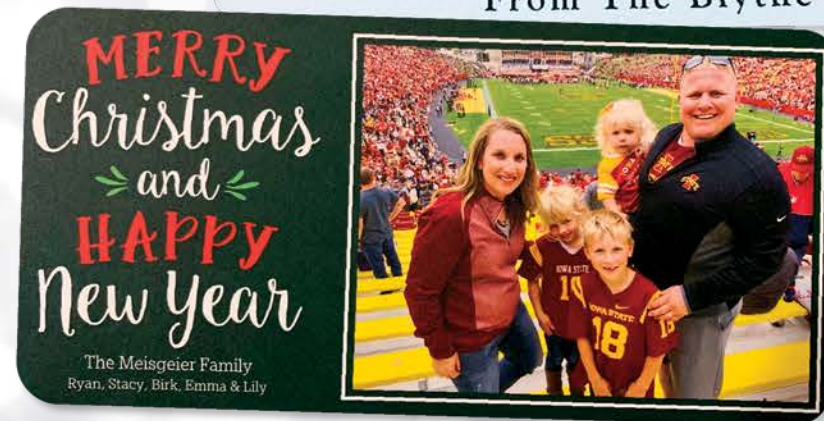
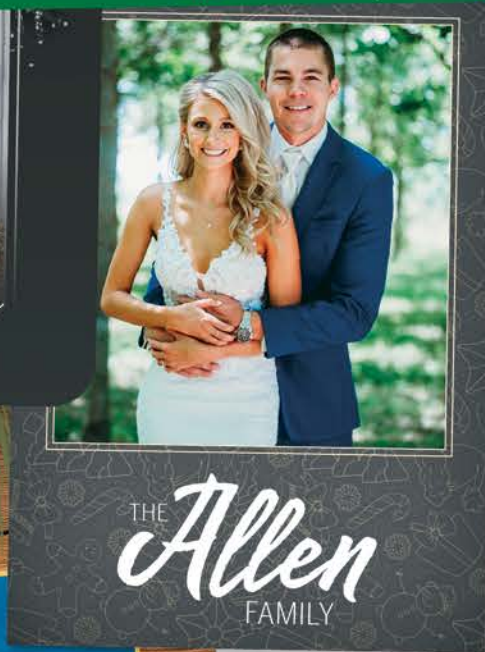
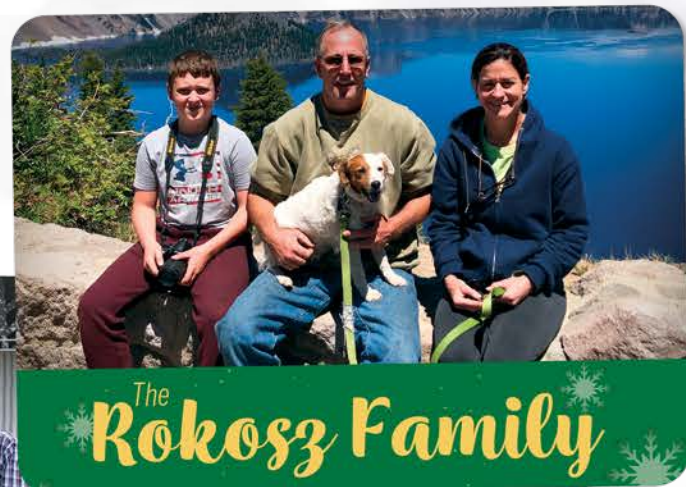
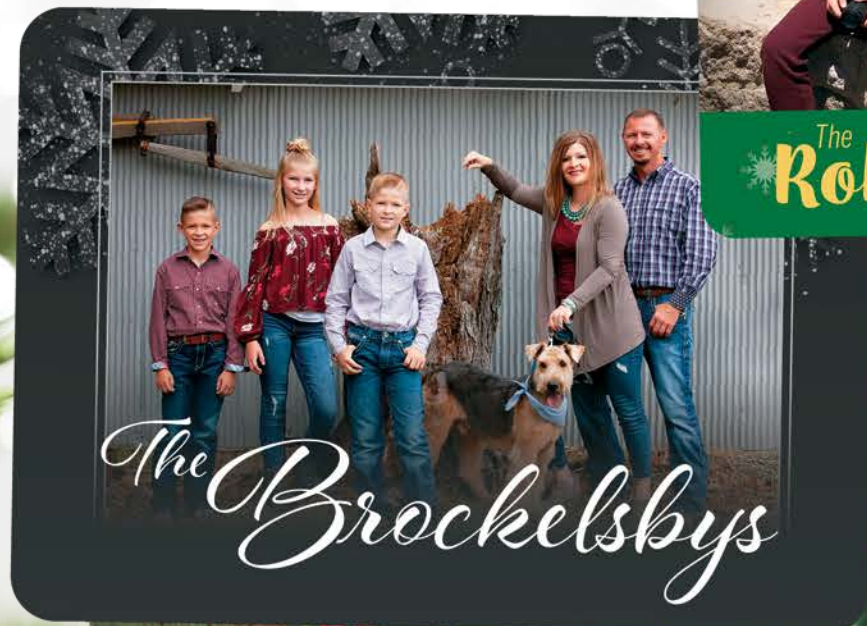


**NuTech**  
Seed®













products they want from us. That's absolutely ok.

**WINTER IS OFTEN A GOOD TIME FOR GROWERS TO TAKE A STEP BACK AND LOOK AT THEIR OPERATION. WHAT ARE SOME QUESTIONS THEY SHOULD ASK THEMSELVES?**

I think it's important to take a hard look at what's giving you a good return on investment. Everybody wants better yields, but there may be times when investing certain resources in a particular field is just not paying you back the way you'd like. You may have to ask, "Is this really worth it? Should we keep going with this plan?"

This is also a time when growers tend to look at their fixed costs across their acres—equipment, chemistry, seed and so forth—but they often forget to calculate their time as part of that picture. When you consider your time, what are you really making per acre?

It's also a good time to look at expenses across the season. Sometimes what seems like a bargain at the outset can cost you more over the long run. For example, it might be less expensive upfront to go with a particular hybrid that doesn't have traited insect protection and then use insecticide. But depending on conditions during the season, you may end up spraying multiple times. That adds up in real costs and your time. It may not be the bargain you were hoping for. These are the kinds of pluses and minuses we can help you think through so you're getting the most out of every dollar you invest in your farm.

**ANYTHING ELSE NEW ON THE HORIZON FOR 2020?**

In the spring, we'll be piloting Granular with a few DSMs and some key dealers. This is a precision agriculture program that lets you position hybrids and varieties by field. But one of the really neat features is that you can apply variable rate recommendations into the system and then upload those to the computer in the planting tractor. I think it's going to be really fun to get Granular working in the field and figure out how to help our customers make the most of it.

underway. We're working with growers on their crop plans and talking about fertility—some growers are looking at nitrogen management and liming the field for soybeans. We're also helping growers evaluate chemistry plans as they're related to their seed choices. So, growers who are going to go with Enlist E3™ soybeans next year, for example, need to plan for a pre-plant herbicide like Sonic®, and then come in with Enlist Duo® or Enlist One® after planting.

Our job isn't to step in and tell a grower what to do next year. Instead, we help them sort through their options and weigh the pros and cons, and figure out what's right for their farm. I might drive five miles down the road and the next farmer might have a completely different set of needs, and therefore,



## Field Notes

NuTech Lead Agronomist and Product Manager Brad Johnson shares what the product and agronomy teams will be up to this winter and offers some advice on getting ready for the coming season.



Brad Johnson

**HOW IS THE PRODUCT TEAM SPENDING THE "OFF-SEASON"?**

We're looking at our existing product portfolio, evaluating new products and deciding what we want to add to the lineup. It's really important to us that we don't just add products to make the lineup bigger. Any product we add has to perform better than something we've already got and everything in our portfolio also has to be agronomically solid for our growing area. When we add a product, the goal is to raise the bar and help our growers produce more bushels and, ultimately, make more money.

**WHAT IS THE AGRONOMY TEAM WORKING ON?**

Although some farmers are still in the field, planning for next year is well



# Start the new year with a new career

Come be part of the NuTech Lifestyle and help farmers discover just what makes it so special.

**NOW  
HIRING!**

## NuTech Seed is now hiring.

Learn more at [NuTechSeed.com/career](https://NuTechSeed.com/career)





# Make the most of your downtime

It's been a long and challenging harvest season, and while the year is not over, it will be nice to get back to a more sustainable pace. While you're no doubt busy making plans for next year, winter is a great time to take all those things that fell off your to-do list throughout the year and make them a priority. No, we don't mean cleaning out your workshop (although, that's okay, too), but instead, taking some time to take care of yourself.

## Here are ten ways to recharge your batteries and strengthen your connections during the slow(er) season.

1

### Find those walking shoes:

Start walking, or choose some activity to get the blood flowing. Most people find they think more clearly, sleep better and have more energy after they spend at least 45 minutes walking per day. Outside or on the treadmill, they both work!



2

**Take your spouse on a date:** By now, we're all tired of "combine cab cooler" meals and watching the news for entertainment. Reward yourself and your partner with a fun activity that's out of the ordinary.

3

**Head to a game:** It's basketball season—and volleyball, hockey and more. Watch your kids, grandkids or the local team play. Show your support by showing up. They'll know, and appreciate, having you there to cheer them on.



4

**Say thank you:** Gratitude isn't just for Thanksgiving. The end of the year is the perfect time to let the people involved in your operation know how much you appreciate what they do.

5

**Get some sunshine:** Gray winter days can zap your energy. Get outside on days when the sun is out—even if it's cold. If you can, get away altogether to a sunnier place. Travel is a great way to shake up the routine, learn something new and relax. If you haven't already, try the yearly NuTech Getaway.



6

**Get a second opinion:** You may feel great, but an off-season checkup with your medical professional is always a good idea. If you've been too busy to make an appointment, now's the time.

7

**Give:** Donate your time, your expertise or your resources to a cause you care about. Somewhere in your community, there's an organization that needs you. There's no greater feeling than giving back.



8

**Dive into the numbers:** Focus in on the details of your business. Where are you leaking revenue? Where do you have opportunities to improve your return? Making a plan and setting goals is a big motivator going into the spring.



9

**Seek out a fellow farmer:** Seed is the most important input decision you will make next year. Spend some time with a trusted colleague and fellow Lifestyle enthusiast and reconfirm your plan.

10

**Celebrate:** Make time to cherish the holidays and welcome 2020. Make it a year of success, enjoyment and family.





# GRAVEL TRAVELS

*Every farm town has something that makes it special. They're places often just down the road, but miles from what you'd expect. Follow us down some gravel roads and discover a few hidden gems you just have to see when you're out in NuTech country.*



## ALL ABOARD!

### THE POLAR EXPRESS



**St. Louis, MO**

*Submitted by Stefanie Ray*

Recreating the beloved children's book, this train ride departs from historic Union Station in St. Louis. Riders are encouraged to come dressed in their pajamas and enjoy cookies, hot chocolate and singing carols on the journey. Once they arrive at "the North Pole," Santa and his elves come on board to greet the kids.



*The Polar Express departs from Union Station in St. Louis.*



*Stefanie Ray, NuTech DSM, and her son Kade at the Polar Express in St. Louis, MO*

## LOCAL FAVORITES



### LIGHTED TRACTOR PARADE



**Centralia, MO**

*Submitted by Sam Sudbrook*

Every year the young farmers group in my town (Centralia, MO) puts on a lighted tractor parade. Farmers pull out their combines, sprayers, antique tractors and semis and decorate them with lights. People from all over fill the streets of our little town. It's a big hit for everyone!

### HOLIDAY GATHERING



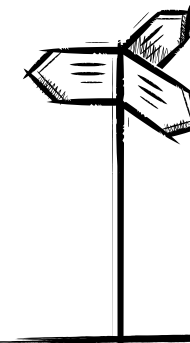
**Georgetown, IL**

*Submitted by Jodi Davis*

Every year, our town has the Holiday Gathering to kick-off the season. Local vendors set up at various locations to sell their handmade items. This tradition has been going on for 25+ years!



*At the Georgetown, IL, Holiday Gathering, vendors like Jodi Davis sell handmade items.*



## TELL US ABOUT YOUR GRAVEL TRAVELS, GET A FREE CANDLE

**Share your favorite Gravel Travel destination with us and we'll send you a special gift: A free 8oz. candle from Antique Candle Co.\***

*Email submissions to [info@nutechseed.com](mailto:info@nutechseed.com).*

*You could be featured in an upcoming issue of The Life.*

*\*While supplies last. Must live and farm in the NuTech geography to qualify.*

**Get a FREE CANDLE!**



ANTIQUE CANDLE CO.

*farmhouse soy candles*



*longer lasting burn  
made from natural soy  
supports local soy farmers*

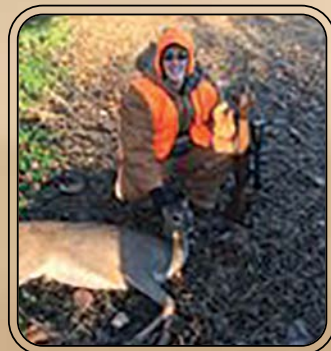




Over the years, we've found many of our customers love to hunt. And there's nothing a hunter loves more than a chance to brag about their latest prize. We asked you to send in your favorite hunting photo, and you didn't disappoint!



**BLAKE REMMERT** scored 143 inches on this deer harvested in Carlyle, IL.



**AMY SKAGGS** harvested this deer on her grandmother's farm in Henderson, KY.



**STEPHEN FHONE** harvested this deer in October eating NuTech soybeans on their family farm in Madison County, IL.



**MACE LAMBERT** is 8 years old, and this is his second deer. His first comment when he walked in the door was, "Mom! Can you cook her for me?"



**ZACH HARRYMAN** with his girls in Warren County, IA.



**ADAM KROLL**, harvested on their farm in Fulton, MO



**BRANDON DILLON**, who harvested this one in Montgomery County, IN, said this was "Definitely a hunt I'll remember for a long time. The deer read the script and everything came together on my biggest deer to date with my bow! I give all the glory to the Lord and my amazing fiancé for putting up with my crazy passion."



**THE WARREN KIDS** help Dad set up a blind right next to a newly harvested NuTech corn field.



This was **MEGAN HUELSMANN'S** first year hunting, and it was a success. "I really wanted to shoot a buck. After having some bad luck, this guy walked out in front of us on some private land in Vermillion County, IL!"



**GRANT MCDONALD** harvested this deer on his family's farm in west Hancock County, IL. His grandpa was with him when he shot this one. They hunt together every year and share a special bond.



**ZACH LINGAFELTER** harvested this big guy in Macon County, IL.



**KEATYN COLLINS** harvested her first buck—on the first day of hunting—in Calloway County, KY, on the family farm.



**COLE WIDMER** sent in this picture from pheasant hunting on opening weekend right outside of Montezuma, IA. The dogs pictured (L to R) are: Remington, Moe and Loki.



**Be part of the NuTech Hunting Club: Watch for more ways to share your hunting experiences with us, and send us your photos.**



# Success. Enjoyment. Family.

We hope your year was filled with the best  
of what matters most.

## Happy Holidays!

from NuTech Seed

**NuTech**  
Seed®

## My favorite farm antiques

**Nicole  
Allen**

NuTech Marketing  
& Sales Support  
Lead

**THIS CHAIR** was used by Nicole's great-great-great grandfather, James "Tama Jim" Wilson, who was the U.S. Secretary of Agriculture from 1897-1913. Wilson holds the record for longest-serving member of the U.S. Cabinet, and is the only member to serve four consecutive presidents (William McKinley, Theodore Roosevelt, William Howard Taft and Woodrow Wilson—no relation!).

Wilson presided at a time when agriculture was growing into a major economic force and more than a million new farms were added to the American landscape. He was particularly influential in expanding agricultural education and was a professor at Iowa State University.

Nicole Allen seated in the Cabinet chair  
used by her great-great-great grandfather.



"Tama Jim" Wilson

"THE FUTURE OF AGRICULTURE LIES IN THE LAP OF SCIENCE, SPECIFICALLY APPLIED TO FARMING AND DIRECTED BY MEN WHO ARE IN SYMPATHY WITH THE MAN IN THE FIELD WITH HIS COAT OFF."

**Randy  
Pauli**

NuTech District Sales  
Manager

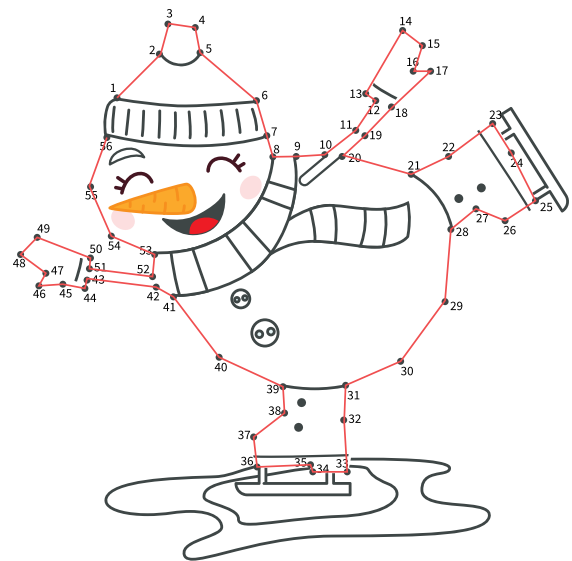
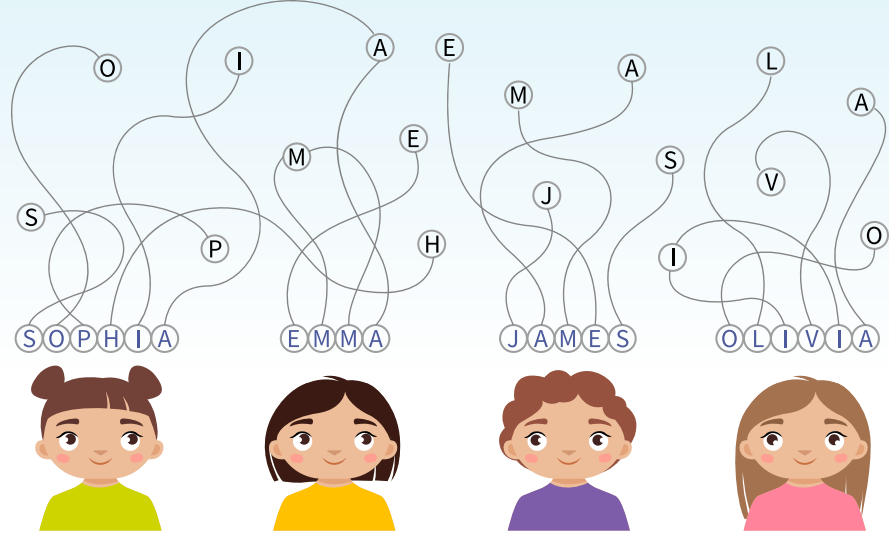


**RANDY LOVES** to show off this 1939 Farmall M tractor with IH #8, 3-14 plow. The tractor was originally owned by his father, Harold, who purchased it in 1959. Harold completely overhauled the tractor and used it on his 80-acre grain and livestock farm. Randy purchased the tractor from his dad in 1986 and had it repainted. He uses it for plowing his garden and plowing at the local farmers' plow fun day. The tractor has also pulled a float in the Elburn (Illinois) Days Parade and can be seen at the local Farm Bureau's Touch-a-Tractor event.





# Activity page answers



**LIBERTY LINK** Seed products with the LibertyLink® (LL) trait are resistant to the herbicide glufosinate ammonium, an alternative to glyphosate in corn, and combine high-yield genetics with the powerful, non-selective, post-emergent weed control of Liberty® herbicide for optimum yield and excellent weed control. Liberty is not registered for use in all states. For additional product information, visit our website at <https://agriculture.basf.com/us/en.html>.

Seeds containing the Roundup Ready® trait and the Roundup Ready 2 Yield® trait are protected under numerous U.S. patents. Seed containing patented traits, such as seed containing the Roundup Ready and Roundup Ready 2 Yield traits, can only be used to plant a single commercial crop. It is unlawful to save and replant Roundup Ready soybeans and Roundup Ready 2 Yield soybeans. Additional information and limitations on these products are provided in the Monsanto Technology Stewardship Agreement and the Monsanto Technology Use Guide. The licensed U.S. patents for Monsanto technologies can be found at the following webpage: <http://www.monsanto.com/products-stewardship/patents>.

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**QROME** Qrome® products are approved for cultivation in the U.S. and Canada. They have also received approval in a number of importing countries, most recently China. For additional information about the status of regulatory authorizations, visit <http://www.biotradestatus.com>.



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**AM** - Optimum® AcreMax® Insect Protection system with YGCB, HX1, LL, RR2. Contains a single-bag integrated refuge solution for above-ground insects. In EPA-designated cotton growing counties, a 20% separate corn borer refuge must be planted with Optimum AcreMax products. **AMX** - Optimum® AcreMax® Xtra Insect Protection system with YGCB, HXX, LL, RR2. Contains a single-bag integrated refuge solution for above- and below-ground insects. In EPA-designated cotton growing counties, a 20% separate corn borer refuge must be planted with Optimum AcreMax Xtra products. **YGCB,HXX,LL,RR2** (Optimum® Intrasect® Xtra) - Contains the YieldGard® Corn Borer gene and the Herculex XTRA genes for resistance to corn borer and corn rootworm. **YGCB,HX1,LL,RR2** (Optimum® Intrasect®) - Contains the YieldGard® Corn Borer gene

and Herculex® I gene for resistance to corn borer. **AMXT** (Optimum® AcreMax® XTreme) - Contains a single-bag integrated refuge solution for above- and below-ground insects. The major component contains the Agrisure® RW trait, the YieldGard® Corn Borer gene and the Herculex® XTRA genes. In EPA-designated cotton growing counties, a 20% separate corn borer refuge must be planted with Optimum AcreMax XTreme products. **RW,HX1,LL,RR2** (Optimum® TRIssect®) - Contains the Herculex I gene for above-ground pests and the Agrisure® RW trait for resistance to corn rootworm. **RW,YGCB,HXX,LL,RR2** (Optimum® Intrasect® XTreme) - Contains the Agrisure® RW trait, the YieldGard Corn Borer gene and the Herculex® XTRA genes for resistance to corn borer and corn rootworm. Optimum Intrasect XTreme will be the major component of Optimum AcreMax XTreme. **AVBL,YGCB,HX1,LL,RR2** (Optimum® Leptra®) - Contains the Agrisure Viptera® trait, the YieldGard Corn Borer gene, the Herculex® I gene, the LibertyLink® gene and the Roundup Ready® Corn 2 trait.

**POWERCORE** PowerCore® multi-event technology developed by Dow AgroSciences and Monsanto.



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