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NATIONAL CORN YIELD CONTEST[®]



2023 BEST IN THE FIELD



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CORN GROWERS
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Message From the President



Harold Wolle, President
National Corn Growers Association

Shaping the Future.

As I think about the future, I feel optimistic about the opportunities that lie ahead. Over the past 60 years, since the inception of the National Corn Yield Contest, the corn industry has made significant progress, but it has also faced significant challenges. However, one thing has remained constant throughout all of this: the American corn farmer is

innovative, resilient, and passionate about feeding and fueling the world. Every year, the participants in the National Corn Yield Contest prove this point.

Corn farmers are known for their drive to achieve excellence. The National Corn Yield Contest is a testament to this, as it attracts farmers who are eager to compete and push themselves to their personal best. This year, despite the challenges faced by many, more than 3,500 farmers put their names in the hat, submitting more than 6,700 contest entries. Each one contributing to the pool of agronomic data generated by the harvest results.

Every year, farmer participants work to improve their crops through adaptation, innovation, and new technologies, setting higher standards for the industry. 2023 was no exception. The 27 national winners across the nine national production categories had verified yields averaging 374.22 bushels per acre, and David Hula of Charles City, VA, bested his previous world record with 623.84 bushels per acre. These numbers demonstrate the innovation and passion of the American corn farmer.

The addition of the Nitrogen Management Pilot Class (Class J) to the 2023 contest gave farmer participants the opportunity to show what it means to do more with less. Nick Preissler of Aurora, Nebraska, yielded 312.97 bushels per acre while limiting his nitrogen application to under 180 lbs. The participants in the pilot class took a bold step, demonstrating to their fellow corn growers the value of trialing new practices in the pursuit of a better crop.

To all the entrants of the 2023 contest, I'd like to express my gratitude for your willingness to take part. Your participation in this contest contributes to the greater body of agronomic data that helps our industry overcome the challenges of the future. Whether you were a first-time competitor, or your name sits at the top of the national charts, you were a part of something bigger than your individual operation, and that makes you a champion.

The National Corn Yield Contest is a collective effort of the entire industry. Every year, more than 1,500 volunteer supervisors, along with 2,000 seed representatives, collaborate with farmer participants to plant, manage, harvest, and confirm the yields entered in the contest. I am grateful to all the men and women in our industry who support every farmer in their quest for a better crop.

This support begins with our contest sponsors, BASF Corporation, John Deere, and Pioneer, who, year after year, advance the corn industry with their generous support of the National Corn Yield Contest. NCGA is grateful for their continued partnership that ensures a successful contest for participants each year.

As you read through the stories of trial and triumph by our national winners and browse the incredible list of state winners, take a moment to reflect on the last 60 years of victories achieved by corn farmers in the National Corn Yield Contest and on behalf of corn farmers by the National Corn Growers Association. Just like the men and women in this guide, NCGA's work on behalf of the corn industry never stops.

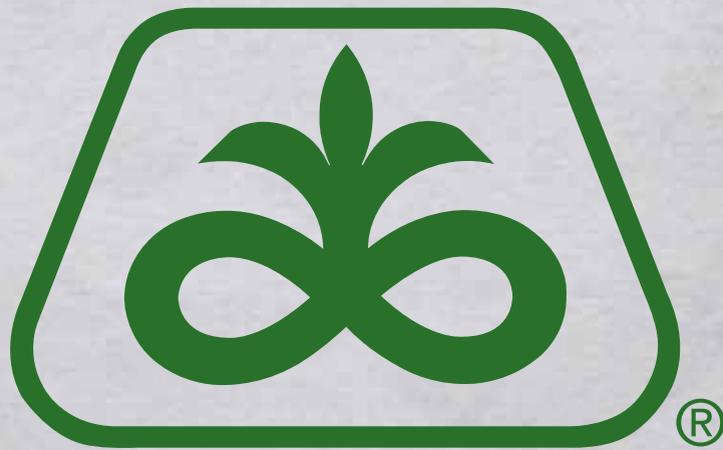
Now, please join me in congratulating the winners of the 2023 National Corn Yield Contest. I hope that reading their stories will inspire you and give you ideas for how you might shape the future.



ABOUT THE COVER

Amanda Johnson,
Scribner, Nebraska,
Grand Prize

[Fields-of-Corn.com](https://www.fields-of-corn.com)
Photo Contest 2022



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Looking back on 60 years of victories by America's corn farmers and for America's corn farmers.

1965

1ST NATIONAL CORN YIELD CONTEST

NCGA launched the National Corn Yield Contest with the goal of uniting the corn industry and providing aggregated agronomic data.



1980

FEDERAL CROP INSURANCE ACT

Passage authorizes support for premiums and expands the federal crop insurance program.



1983

1ST RECORDED YIELD OVER 300 BUSHELS PER ACRE

A corn grower from California entered the first contest recorded yield over 300 bushels per acre.

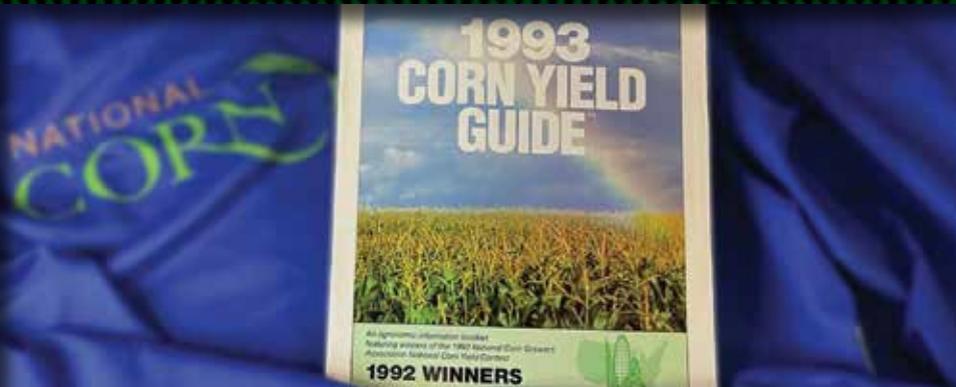


1990

CLEAN AIR ACT

Amendments to the Clean Air Act put the nation on the road toward tapping renewable fuels.





1993

1ST NAT'L YIELD GUIDE PUBLISHED

NCGA publishes the first Yield Guide, providing the corn industry aggregated agronomic data from the 1992 contest participants.



1994

NAFTA

The North America Free Trade Agreement becomes law, facilitating trilateral trade between the U.S., Mexico and Canada.



1996

"FREEDOM TO FARM" ACT

Passage increases the market orientation of farm bill commodity programs.



2000

AGRICULTURAL RISK PROTECTION ACT

Increases federal premium support for farmers, encouraging greater participation in crop insurance.



Don't settle for a fraction of what you deserve.

With an average of +11 bu/A average increase over untreated corn acres 94% of the time, Veltyma® fungicide delivers fast uptake and strong curative activity to stop yield-limiting diseases in their tracks. This harvest, don't let your farmers settle for lower corn yields. Visit [Veltyma.com](https://www.veltyma.com) to learn how Veltyma fungicide can help increase your farmers' yields this year.

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Verdict®

Powered by Kixor® Herbicide



**The weeds are coming!
The weeds are coming!**

Resistant weeds are advancing because of widespread use of HPPD inhibitors. But there's another way to defeat these weeds. Switch tactics with Verdict® herbicide powered by Kixor® herbicide technology. As a non-HPPD corn pre-herbicide, it helps stop resistance before the battle gets to your field.

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2002

FARM SECURITY AND RURAL INVESTMENT ACT

Sets the stage for renewable fuels as the first farm bill to include an energy title.



2005

RENEWABLE FUELS STANDARD

Requires transportation fuels sold in the U.S. to contain a minimum volume of renewable fuels, including corn ethanol.



2007

RENEWABLE FUELS STANDARD AMENDMENT

Increases the size of the program and allows for higher volumes of renewable fuels to be blended with conventional fuels.



2008

FOOD, CONSERVATION, AND ENERGY ACT

Includes the Average Crop Revenue Election (ACRE) program, the first revenue-based commodity program.



2014

FIRST RECORDED YIELD OVER 500 BUSHELS PER ACRE

A corn grower from Georgia entered the first contest recorded yield over 500 bushels per acre.





2018

AGRICULTURE IMPROVEMENT ACT

Allows for annual election between the Agriculture Risk Coverage (ARC) and Price Loss Coverage (PLC) commodity programs.



2020

U.S.-MEXICO-CANADA AGREEMENT

Replacing NAFTA, the U.S.-Mexico-Canada Agreement better facilitates trade among the countries.



2022

STEPPED-UP BASIS

NCGA worked with allies to ensure budget reconciliation legislation did not remove important estate tax provisions that would directly affect family farms.



2023

NITROGEN MANAGEMENT CLASS LAUNCHES

NCGA launched the Nitrogen Management Pilot class with the goal of challenging corn growers to do more with less.



2024

60 YEARS OF NCGC

The 2024 Contest Year will be the 60th year of NCGA's National Corn Yield Contest.

First Place



HEATH CUTRELL Chesapeake, VA

396.1239 bu./acre
DEKALB DKC68-35RIB
Harvest Population: 42,000
Harvester: CaseIH 8250

SUPERVISORS

Emily Johnstone-Brown: Conservation Technician, Virginia-Dare Soil & Water Conservation
Cory Hoar: Conservation Specialist, Virginia-Dare Soil & Water Conservation

Heath Cutrell was excited when the combine yield monitor hit 400 bu./acre, but he was still thrilled when the final official tally was 396.1239 bu./acre, an extra 2 bushels more than his 2022 contest win. Each year he's racked up more bushels for five first places in this category.

Cutrell farms 5,000 coastal acres that stretch 40 miles end to end. The closest farm is just 35 minutes from the ocean, which always brings worries about hurricanes. "That distance requires a lot of driving, but it has its pluses," he says. "If it's wet on one end of the farms, it could be dry on the other." In 2024 he's adding another 2,000 acres.

Planting conditions were near perfect and led to good emergence and standability, he says. "Rains were timely and plants stayed green. Everything came together nicely."

He credits part of his winning yield to the precision technology on his CaseIH 2130 planter for getting the corn crop off to a good start. "We use the 2x2x2 technology and it helps get fertilizer and chemicals right where they should be."

He uses the planter's variable-rate feature to adjust populations from 32,000 to 42,000, depending on soil types. Contest acres were planted at 42,000.

"We applied a new phosphorus product, NutriCharge, in-furrow and I think it had an enormous benefit to my yields," he says. "It allows fertilizer to be more available to the plant—and it works."

Cutrell is all about change and trusts advice he gets from his Nutrien and Helena reps. Besides the regular fertility and micronutrient packages, he's happy with the results from five new Loveland products he tried in 2023:

- ESN, a controlled-release nitrogen to extend availability to grain fill—applied pre-emerge and postemerge at V7-V8.
- ReaX Complete, a blend of key micronutrients: 1 quart per acre at V5.
- Radiate, a root-growth promotant, in-furrow at 4 ounces per acre and then at 2 ounces per acre any time a pass was made through the field.
- Levitate, a pop-up fertilizer, in-furrow at 5 gallons per acre.
- Terramar, a foliar nutrient, helps alleviate plant stress.

Weekly tissue samples drive decisions during the season on product and application times. "I walk fields almost every day to try and stay ahead of problems," Cutrell says. "I never want that plant to have a bad day because I've got a lot invested in it."

To stay in front of disease problems, he applies Delaro Complete fungicide three to four times a season from V5 to black layer. In addition, he uses wheat as a cover crop to help break disease cycles and keep soil intact.

Harvest conditions last year were ideal, too, Cutrell says. "Overall, my employees and I harvested the best corn crop I've ever grown."

Basics Add Bushels

- ✓ Walk fields and watch plant growth to stay ahead of problems.
- ✓ Know your different soils to select the right hybrids.
- ✓ Use as much high-tech equipment as possible.

Second Place

JOSH WATSON Sweetwater, TN

344.9090 bu./acre
DEKALB DKC67-44RIB
Harvest Population: 34,500
Harvester: John Deere 9660 STS

SUPERVISORS

Shane Williams: Ag Loan Officer, Farm Credit Mid-America
George Petit: Crop Consultant, George Petit Consultants

Josh Watson's East Tennessee farm consists of hilly, and even steep terrain. Still, he was able to hit almost 345 bu./acre claiming second place in the category.

"My biggest limiting factor is always rainfall and we always need a lot of water with our silty loam soils," he says, but adds that he never gives up on what God can do.

Watson planted with a John Deere 1795 ExactEmerge in mid-April when conditions were warm, followed by a cool and damp period which resulted in late-emerging corn. Then a four-week dry spell hit in late May before normal rains fell. "We had cool 70-degree nights and I think that allowed for good grain fill."

For fertility, he applied gypsum because of high magnesium levels, plus high-calcium lime. He then used 120-200-200 urea and came back with 32 percent UAN at V5 for a total of 280 units of nitrogen. For weed control, he started with a burndown, then at V4 came in with Atrazine, Roundup and Calisto.

At V5, VT and brown silk he used a drone and flew on fungicide—a generic first, followed by BASF Veltyma then Trivapro. "It's the best money I spent," he says. "I wish I'd applied fungicides on all my acres because it's important to keep that plant green, alive and healthy."

A dry fall made harvest easy, Watson says. "Next year I'll try a starter fertilizer and probably a different hybrid."

Third Place

SAM SANTINI Stewartsville, NJ

342.8893 bu./acre
Pioneer P14830AML
Harvest Population: 40,000
Harvester: John Deere S760

SUPERVISORS

Stephen Komar: County Extension Agent, Rutgers University Extension
Jay Rupell: FFA Advisor, Retired

Sam Santini snagged third place in the conventional non-irrigated category with a yield of nearly 343 bu./acre. That adds to his collection of several first, second and third places he's scored over a 30-year span.

"I keep chasing my goal of hitting 400 bu./acre," he says. "Not winning a first makes me work even harder the next year."

Santini zone samples his clay loam soils every fall and admits he doesn't have any wide swings in nutrient needs. "I apply 2 tons per acre of poultry litter in the spring and that accounts for 25 percent of my fertility needs," he says.

Santini has experimented with plant populations from 36,000 to 45,000 and found his sweet spot at 38,000 using a John Deere 1795 center-fill planter.

He also added two new biologicals—Vivid's Periscope and Brandt's Enzup ZN—in-furrow that helped enough with yield that he'll add them again next year.

Pre-emerge Bicep herbicide does the trick on controlling weeds, with a backup of Roundup when needed.

During the growing season, Santini applies Miravis Neo fungicide two or three times, before tassel and at black silk.

"Weather-wise, we were dry early on and I thought we were about five days from a drought," Santini says. "Then it turned and rained every week right up until mid-August." Good conditions prevailed for a Mid-October harvest.

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/Harvester
A: CONVENTIONAL NON-IRRIGATED										
ALABAMA										
Eric Reed Elora, TN	321.9542	DEKALB DKC65-99	TRE	-	36000	-	-	-	200/0/0	John Deere 1775 NT John Deere S660
Jackson Henderson Madison, AL	297.8415	AgriGold A6659RR	RR	-	26600	-	-	-	225/0/0	John Deere 1775NT Claas Lexion 8600
Kenneth Anders Hartselle, AL	260.6327	Pioneer P1464VYHR	AVBL,YGCB, HX1,LL,RR2	-	29000	-	-	-	120/60/40	Case IH 2150 Early Riser Front Fold, Case IH Axial Flow 9250
ARKANSAS										
Drew Woolverton Pollard, AR	178.5648	DEKALB DKC65-95	VT2P	Acceleron+ Poncho 250	28000	-	Atrazine 4L, Metalachlor Glyphosate Plus	-	200/80/100	Case IH 1235 Stackbar Early Riser John Deere S770
CALIFORNIA										
Aaron Beaver Isleton, CA	273.9813	Pioneer P1222	Conventional	-	35500	-	Laudis Steadfast	-	330/38/38	White 8700 John Deere 9670 STS
COLORADO										
Harry Brinkema Holyoke, CO	125.8743	Pioneer P0622AML™	AML,LL,RR2	Lumivia	16000	-	FulTime Roundup	-	100/60/50	John Deere 1770 John Deere S780
CONNECTICUT										
Mike Logue Woodbury, CT	232.7545	Channel 210-46STXRIB	SSRib	-	33600	-	-	-	250/180/125	Kinze 2500 Case IH 2388
Jim Logue Woodbury, CT	224.2205	Channel 210-79STXRIB	SSRIB	-	33600	-	-	-	250/125/180	Kinze 2500 Case IH 2388
DELAWARE										
Bill Alfree Middletown, DE	309.6081	DEKALB DKC65-95RIB	VT2PRIB	-	34000	-	Callisto, Princep 4L Harness Xtra 5.6L	Ethos XB	100/20/60	Kinze 3660 Case IH 8250
Benjamin Snow Smyrna, DE	251.5754	Pioneer P1464AML™	AML,LL,RR2	PPST 250	32000	Brigade 2EC Lambda	Atrazine, Zidua Roundup Max	Veltyma	220/90/110	John Deere 1770NT John Deere S770
FLORIDA										
Danielle Hall Jennings, FL	220.2400	AgriGold A643-52VT2	VT2	Amplify L+ Poncho 250	27528	-	Atrazine 4L, Glyphos Prowl 3.3 EC	-	200/90/300	Monosem Twin Row John Deere 9750
Sam Jones Jasper, FL	215.3056	Pioneer P1847VYHR	AVBL,YGCB, HX1,LL,RR2	Amplify D+ Poncho 250	29215	-	Atrazine 4L Prowl H20	-	200/75/240	Monosem Twin Row Case IH Axial-Flow 1660
GEORGIA										
Wallace Anderson Ellijay, GA	318.7562	Pioneer P1608YHR	YGCB,HX1, LL,RR2	-	37000	-	Atrazine Glyphosate	-	440/286/439	John Deere 7000 Conservation John Deere 4420
KANSAS										
Alex Noll Winchester, KS	305.6521	DEKALB DKC68-35RIB	VT2PRIB	-	34800	-	-	-	0/0/0	John Deere 1775 Flex Case IH 8250
Austin Taylor White Cloud, KS	288.4742	Taylor Seed Farms 9913	VT2Pro RIB	Cruiser MAX	33500	-	-	-	260/120/60	John Deere 1775NT Case 8250
Kyle Berggren Olathe, KS	204.1698	Pioneer P1122AML™	AML,LL,RR2	LumiGEN™ 2020 Premium	31900	-	-	-	208/46/90	John Deere DB44 John Deere S780
KENTUCKY										
Jason Greenwell Waverly, KY	299.1869	Channel 214-78DGV2PRIB	DGV2P RIB	Acceleron	38000	Steed	Atrazine 90 DF Roundup PowerMax Verdict, Zidua	Priaxor Veltyma	280/92/120	John Deere 1775NT John Deere S780
LOUISIANA										
Ray Schexnayder Ventress, LA	244.0642	DEKALB DKC70-27	VT2P	-	34500	-	2,4-D+Roundup Atrazine+Metalachlor	-	200/0/60	John Deere 1700 MaxEmergePlus Vacuum John Deere F-680
MASSACHUSETTS										
Dan Llewelyn Northfield, MA	281.0191	Channel 199-115STXRIB	SSRIB	Acceleron+ Poncho 250	40000	-	Atrazine+Roundup	-	220/37/230	John Deere 7200 MaxEmerge 2 Vacuum, John Deere 9500

Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/Harvester
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A: CONVENTIONAL NON-IRRIGATED

Matt Parsons Hadley, MA	235.2468	Pioneer P0487Q™	Q,LL,RR2	PPST 250	32000	Sniper	Keystone LA Makaze, Realm Q	—	220/5/150	Kinze 2500 John Deere 9550
MARYLAND										
Andrea Rigdon Jarrettsville, MD	321.7545	DEKALB DKC62-70RIB	VT2P	Acceleron+ Poncho 250	38000	—	—	—	300/100/300	John Deere 1770NT CCS ProXP John Deere 9670 STS
William Riggs Church Hill, MD	288.0738	DEKALB DKC63-91RIB	VT2PRIB	Acceleron	35000	Tombstone	Atrazine 4L, Corvus Halex, Simazine 4L	Delaro Complete	250/150/150	John Deere 1750 John Deere S670
George Windsor East New Market, MD	276.3035	FS InVISION FS 6017V RIB	VT Double PRO® RIB Complete®	—	34000	—	—	—	150/0/0	Kinze 3650 Case IH Axial Flow 1680
MAINE										
Tyler Bartlett New Gloucester, ME	186.2462	Channel 189-64VT2PRIB	VT2PRIB	—	34000	—	—	—	190/0/0	John Deere 1770 Conservation John Deere 9510
MICHIGAN										
Randy Eschenburg Almont, MI	302.1600	DEKALB DKC101-35RIB	VT2PRIB	Poncho 500	34000	—	Atrazine 90 DF, Capreno Roundup PowerMax	—	131/40/0	Kinze 3600 Case IH 8120
Ryan Brink Caledonia, MI	299.6507	DEKALB DKC56-26RIB	TRE RIB	Acceleron	34000	—	Acuron	—	198/0/60	John Deere 1775NT John Deere S790
Caleb Krumm Allegan, MI	291.2009	Pioneer P0953AM™	AM,LL,RR2	—	35000	—	Acuron Flexi	—	270/105/75	John Deere 1770NT John Deere S660
MISSISSIPPI										
Anna Hurt Senatobia, MS	263.2498	AgriGold A6659VT2PRO	VT2PRO	Poncho 250	37000	—	—	—	246/0/0	Monosem Twin Row John Deere S670
Stevie Carpenter Coldwater, MS	262.6491	DEKALB DKC65-99	TRE	Acceleron+ Poncho 250	33000	—	—	—	200/60/75	Great Plains YP-625A3P John Deere S670
Daniel Brooks Coldwater, MS	253.6401	AgriGold A6659VT2PRO	VT2PRO	Poncho 250	37000	—	—	—	240/50/120	Great Plains YP-1225 John Deere S670
NORTH CAROLINA										
Wesley Johnson Dobson, NC	301.4513	Pioneer P1718AML™	AML,LL,RR2	Poncho 1250+ VOTiVO	33000	—	Atrazine, Halex GT Bicep II Magnum	Veltyrna	150/0/0	John Deere 1775NT John Deere S770
Ryder McLawhorn Hookerton, NC	284.7491	DEKALB DKC68-35RIB	VT2PRIB	VT2P	34000	Bifenthrin 2EC	Atrazine 4L Halex GT	Veltyrna	350/180/200	John Deere 1700 MaxEmergePlus John Deere S670
Joseph Oliver Pantego, NC	283.2421	DEKALB DKC65-99	TRE	Poncho 1250	35000	—	—	—	120/40/20	John Deere 1775 NT John Deere S680
NORTH DAKOTA										
Jamie Edwards Adrian, ND	319.4966	Pioneer P9492AM™	AM,LL,RR2	—	32500	—	—	—	600/100/25	John Deere 1790 CCS John Deere S780
Betty Huber Berlin, ND	299.7064	DEKALB DKC44-98RIB	VT2P	VOTiVO	34000	—	Armezon Pro, Atrazine 4L Roundup PowerMax	—	140/70/30	John Deere 1770 NT CCS John Deere S780
Shana Jordahl Berlin, ND	297.1815	DEKALB DKC44-98RIB	VT2P	—	34000	—	—	—	140/70/30	John Deere 1770 NT CCS John Deere S780
NEBRASKA										
James Frederick Rulo, NE	272.0966	DEKALB DKC66-06RIB	TRE RIB	BTI	33000	—	—	—	150/25/25	Harvest International Ultra Plant Series 2, John Deere S770
Gretchen Anthony Brock, NE	269.7537	DEKALB DKC62-89RIB	TRE	Acceleron	38000	—	—	—	240/60/60	John Deere 1775 Flex John Deere S770
Glen Thoene Hartington, NE	256.1677	Golden Harvest G11V76-AA	Agrisure Above	Avicta	33000	—	—	—	290/60/100	John Deere 1760 Drawn Wing- Fold Flex, Case IH 2166

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Farmers that love and work the land drive innovation in agriculture. Instilling that love for the land and lifestyle ensures we all have a future of safe, affordable food. And the next generation of farmers and ranchers to produce it.

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JOHN DEERE

JohnDeere.com/Ag

Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
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A: CONVENTIONAL NON-IRRIGATED

NEW HAMPSHIRE

William Llewelyn Northfield, MA	280.4770	Channel 199-11STXRIB	SSRIB	Acceleron+ Poncho 250	40000	-	Atrazine+Roundup	-	220/37/230	John Deere 7200 MaxEmerge 2 Vacuum, John Deere 9500
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NEW JERSEY

Sam Santini Stewartsville, NJ	342.8893	Pioneer P14830AML	AML,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250+Votivo	40000	-	Acuron	-	350/0/200	John Deere 1795 John Deere S760
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Chris Santini Stewartsville, NJ	341.1103	DEKALB DKC111-33PRIB	-	Acceleron	38000	Ethos XB	Acuron	-	200/0/0	John Deere 1780 John Deere S760
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Leonard Truszkowski Stewartsville, NJ	318.4051	Dyna-Gro D57VC51RIB	VT2P-RIB	-	33400	-	-	-	0/0/0	John Deere 1770NT Claas Lexion 730
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NEW YORK

Dale McCollum Gasport, NY	276.3541	Channel 203-70TRERIB	Trecepta RIB	Acceleron	34000	-	-	-	150/20/0	John Deere 1770 John Deere S790
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Lance Rovers Chazy, NY	263.5870	Pioneer P0732Q™	Q,LL,RR2	LumiGEN™ 2020 Premium	35000	-	Atrazine 4F Resicore	-	0/0/0	John Deere 1775 NT John Deere X9
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Lewis Bickle Dansville, NY	262.8034	Pioneer P0859AM™*	AM,LL,RR2	LumiGEN™ 2020 Premium	35000	-	Makaze	-	0/0/0	John Deere 1770 Conservation John Deere 9570 STS
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PENNSYLVANIA

Jess A Powell Greenville, PA	302.1513	DEKALB DKC56-26RIB	TRERIB	Acceleron	36000	Lambda	Lexar+Roundup	Xyway	0/0/0	John Deere 1775 NT John Deere S680
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Bryce Kiefer Bangor, PA	300.6629	Pioneer P14830Q	Q,LL,RR2	-	32000	-	-	-	234/35/75	Kinze 3660 Claas Lexion 740
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Clifford Charles Lancaster, PA	297.8469	Pioneer P1136AM™	AM,LL,RR2	Lumisure 1250	35800	Province	Brawl II ATZ, Explorer Hallex GT, Roundup PowerMax	Miravis	240/0/0	Case IH 2150 Early Riser Front Fold Case IH 9230
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SOUTH CAROLINA

Cole Ruff Saluda, SC	244.0467	DEKALB DKC63-57	VT2P	-	26000	-	Atrazine 4L Bicep II Magnum Roundup PowerMax	-	115/0/0	Kinze 2000 John Deere 9510
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SOUTH DAKOTA

Eugene Johnson Flandreau, SD	271.5774	DEKALB DKC59-82RIB	SSRIB	Acceleron+ Poncho 250	33400	-	Atrazine 4L, Cadence Buccaneer 5, Callisto	Trivapro	160/50/50	John Deere 1760 Case IH 2366
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Dana Johnson Milbank, SD	266.4370	Pioneer P0421AM™	AM,LL,RR2	Poncho 1250	32000	-	Atrazine+Roundup	-	0/0/0	Kinze 3800 John Deere S670
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Ben Crick Menno, SD	250.6865	Pioneer P05737AM	AM,LL,RR2	-	29000	-	-	-	145/52/50	Great Plains PL1230 Case IH 2388
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TENNESSEE

Joshua Watson Sweetwater, TN	344.9090	DEKALB DKC67-44RIB	VT2PRIB	Poncho 500	34500	-	-	-	300/200/200	John Deere 1795 John Deere 9660 STS
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Owen Reed Elora, TN	315.1390	DEKALB DKC67-44	VT2P	-	36000	-	-	-	200/0/0	John Deere 1775 NT John Deere S660
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Elwin Tanner Union City, TN	303.7224	DEKALB DKC66-06	TRE	Acceleron	33500	-	Laudis	Miravis	275/0/60	Case IH 2150 Early Riser Front Fold Case IH 8250
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TEXAS

Justin Young Marlin, TX	240.7062	Dyna-Gro D54VC14	VT2P	-	27000	-	-	-	0/0/0	John Deere 1775 NT John Deere S780
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Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester	
A: CONVENTIONAL NON-IRRIGATED										
David Caudell Hearne, TX	194.3218	Pioneer P1359	Conventional	LUMISURE 1250 + LUMIALZA (DOUBLES)	32000	Besiege	Atrazine, Explorer Dual Magnum	Trivapro	206/45/23	John Deere 1720 MaxEmerge XP John Deere S770
John Sawyer Hillsboro, TX	177.4473	Dyna-Gro D57CC51	CONV	Acceleron	26000	Besiege Sniper	Anthem MAXX Callisto Xtra, Peak	Afla-Guard GR	0/0/0	John Deere 1770 Drawn CCS MaxEmerge, John Deere S780
VIRGINIA										
Heath Cutrell Chesapeake, VA	396.1239	DEKALB DKC68-35RIB	VT2PRIB	Poncho 1250	42000	-	-	-	300/0/0	Case IH 2130 Case IH 8250
Ryan Horsley Virginia Beach, VA	307.2726	DEKALB DKC68-35	VT2P	Poncho 1250	38000	-	-	-	0/0/0	John Deere 1795 John Deere S780
William Kelley King William, VA	268.8415	DEKALB DKC67-44	VT2P	-	27000	-	AAtrex, Bicep Halex, Roundup	-	183/60/104	John Deere 7200 MaxEmerge 2 Vacuum John Deere 9550





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First Place



KEVIN KALB
Dubois, IN

425.8619 bu./acre
DEKALB DKC68-35RIB
Harvest Population: 48,000
Harvester: Case IH Axial Flow 8250

SUPERVISORS

Nick Stevens: Ag Loan Officer, Old National Bank
Tom Krodel: Ag Loan Officer, Old National Bank

Kevin Kalb keeps rolling right along in the yield contest. Counting this year, he has now claimed first place honors in a class for eight consecutive years. His yield of 425 bu./acre is an all-time personal best.

Favorable weather throughout the growing season helped Kalb in his quest for a top yield. Rains came in a timely fashion and in sufficient amounts. During the critical tasseling stage, it was dry. Smoke drifting down into the area from Canadian wildfires during much of the growing season kept extreme hot weather in check. "For the entire growing season, our daytime highs were about seven degrees lower than average," he reports.

A tornado that pushed through part of his contest field in early August was the season's lone weather glitch. "In the places where corn was left standing, the yields were excellent," he says. "But it definitely cost us some bushels."

For a hybrid, Kalb planted DEKALB DKC68-35RIB. "Over the last two years, it's done really well in DEKALB test plots with yields 20 bushels per acre better than the average for their varieties," he says. "It gives you heavy test weights and the standability is really good."

The contest entry was planted at a rate of 48,500 seeds per acre. "We've gone as high as 42,000 in the past," he notes. "But in recent years, we've backed off. With thicker plantings, we were concerned that the corn wouldn't cool as well at night. This variety though is shorter in stature and has upright leaves. This year, we wanted to push it some to see how it would release

heat through the canopy."

Kalb used Y-Drops on a Miller spray rig to make applications of BASF Veltyma fungicide at V10, brown silk and three weeks after brown silk. "There is some tar spot close by, and we have some bad southern rust here," he relates. "The early application helps with control. The goal with the later applications is to keep plants healthy and green through harvest, maximizing kernel weights. When you're going for high yields, you can't be thinking that the job is done when the corn tassels. You have to stick with it through the entire season and finish up strong."

Looking ahead, Kalb plans to make improved soil health a focal point. "Over the past couple of years, we've been successful in reducing the salt levels in our soils," he says. "Now we want to take a closer look at how we can do a better job of putting all those soil microbes in the soil to work for us. Replacing some of the sugars we've been using with micro algae products will be a good starting point."

Basics Add Bushels

- Consider plant structure when calculating seeding rates.
- Keep plants green and healthy for as long as possible.
- Keep soil health at the forefront moving forward.

Second Place

TROY UPHOFF
Findlay, IL

362.4982 bu./acre
DEKALB DKC64-21RIB
Harvest Population: 36,000
Harvester: John Deere S780

SUPERVISORS

Madison Bruns: Shelby County Manager, Farm Bureau
Ted Huber: Crop Consultant, Pro Ag Consultants

Troy Uphoff continues building on his impressive contest track record. With this year's second place award, he has now finished in a top-three spot three out of the last four years. His yield of nearly 363 bu./acre is an Illinois state record.

The contest, Uphoff says, offers a great way to evaluate new technologies and practices on a limited scale. When he hits on something that works, he can put it to use on more ground. "Every year, on our contest acres, we'll look at a lot of different technologies related to seed, chemicals, fungicides and more," he says. "If we can improve by just one or two percent with several of those things, we'll make strides in pushing our overall yield higher."

DEKALB's DKC64-21RIB was Uphoff's hybrid choice for his contest entry. "It has done very well in test plots in central Illinois," he says. "It has great top-end yield. We also like it for its very solid root system and excellent standability."

Uphoff set the stage for his winning entry with a nitrogen application the previous fall. He then followed up with a second application about a week ahead of planting. After a nitrogen sidedress at V3, he used tissue sample results to determine rates and timing for foliar feedings of Loveland products at V7, V10 and tassel. "We want to make sure nutrients are available to the plant when needed," he says. "No plant should ever have a bad day."

Third Place

COREY FARRENS
South Solon, OH

340.4665 bu./acre
DEKALB DKC63-91RIB
Harvest Population: 36,600
Harvester: John Deere S680

SUPERVISORS

Michael Vallery: Ag Insurance Agent, Vallery & Dorn Insurance
Will Hamman: Extension Agent, Pike County

Corey Farrens makes his first appearance in the national winner's circle this year. His yield of 340 bu./acre marks an all-time personal best and earns a third-place ranking in this class.

Abundant moisture played a big role in shaping Farrens' yield. His records show total rainfall of 4 inches in June, 7 inches in July and another 4 inches in August. "You know it's a great year for growing corn when you have to mow your lawn once a week in August," he quips.

Temperatures were also favorable throughout the season. During pollination, nighttime lows were three degrees below the five-year average. "Things really couldn't have been much better," he says.

To take advantage of the favorable conditions, Farrens selected a hybrid that matched up well with the silt loam soil in his contest field, made an in-furrow application of Levitate starter fertilizer (5-15-5) at planting to help with emergence and used information gleaned from weekly tissue samples and twice a week field scouting to determine application rates and timing in his foliar feeding program.

Fungicides were part of Farrens' game plan, too. At V4 he sprayed the crop with BASF's Priaxor. He followed up with two fly-on applications of BASF's Veltyma, one at the VT stage and the other four weeks later. "Mother Nature certainly blessed us with all the rain, but she also set us up for some challenges," he says. "The fungicides headed off potential disease problems and helped us keep plants growing and healthy well into the season."

Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/Harvester
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B: CONVENTIONAL NON-IRRIGATED*

IOWA										
Kevin Lansing Ossian, IA	336.0351	DEKALB DKC63-91RIB	VT2PRIB	Acceleron	35000	-	Atrazine 90 DF Harness Max Roundup PowerMax	-	214/23/30	Kinze 3600 Case IH 7230
Tony Loutsch Remsen, IA	322.2468	DEKALB DKC63-90RIB	SSRIB	Acceleron	37000	-	Bellum Roundup PowerMax TripleFLEX	Delaro	185/145/135	John Deere 1780 MaxEmerge Plus Drawn Narrow-Row John Deere S670
Gary Lowry Searsboro, IA	322.1131	Pioneer P1027AM™	AM,LL,RR2	LumiGEN™ 2020 Premium	35500	-	Resicore	Approach Prima	190/0/0	John Deere 1795 John Deere S770
ILLINOIS										
Troy Uphoff Findlay, IL	362.4982	DEKALB DKC64-21RIB	SSRIB	Acceleron+ Poncho 250	36000	Tombstone	AAtrex, Laudis AAtrex+Harness Roundup PowerMax	Delaro	300/300/300	Kinze 3600 John Deere S780
Elmer Rahn Mount Carroll, IL	324.2379	Pioneer P1742Q™	Q,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250+Votivo	35000	-	-	-	0/0/0	John Deere 1775NT John Deere X9
Kurt Sudholt Albers, IL	319.5967	DEKALB DKC68-35RIB	VT2PRIB	Acceleron+ Poncho 250	35000	-	Anthem MAXX Callisto+Roundup Infantry 4L	Stratego YLD Trivapro	280/70/198	John Deere 7000 John Deere 9500
INDIANA										
Kevin Kalb Dubois, IN	425.8619	DEKALB DKC68-35RIB	VT2PRIB	Poncho 500	48000	-	Atrazine+Roundup Degree Xtra, Laudis	Veltyma	0/0/0	Case IH 2150 Early Riser Front Fold Case IH Axial Flow 8250
D.J. Graper Princeton, IN	322.9160	Stewart Seeds 18DP682	VT2P	Acceleron+ Poncho 250	35000	-	-	-	250/0/0	John Deere 1770NT John Deere 9570 STS
James Campbell Pimento, IN	313.4006	Channel 214-78DGV2PRIB	DGV2P RIB	Acceleron	36000	-	Atrazine 4L, Laudis Roundup PowerMax	-	190/0/0	Case IH 2160 Case IH 8250
MINNESOTA										
David Heublein Lewiston, MN	314.9355	DEKALB DKC59-82RIB	VT2PRIB	Acceleron	38000	-	Harness Max Roundup PowerMax TripleFLEX	-	250/130/250	Case IH 1200 Pivot Case IH 6140
Dale Fabian Saint Charles, MN	304.3529	Pioneer P0953AM™	AM,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250+Votivo	38000	-	Atrazine, Buccaneer 5 Harness Max SureStart	-	225/200/175	John Deere 1775 NT John Deere S780
Mark Fohrman Dover, MN	297.7304	DEKALB DKC101-35RIB	VT2PRIB	Acceleron+ Poncho 250	36500	-	Acuron, Atrazine 4L TripleFLEX	-	240/140/120	John Deere 7200 MaxEmerge 2 Vacuum, Case IH 2588
MISSOURI										
Jim Pitzer Louisiana, MO	293.2805	Dyna-Gro D56TC44	Trecepta	Acceleron+ Poncho 250	33000	Tombstone	Acuron Atrazine 4L	Trivapro	200/60/120	Kinze 3600 John Deere 9510
Cody Brock Norborne, MO	292.4407	Pioneer P1170AM™	AM,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250+Votivo	34000	-	-	-	260/0/0	Case IH 1240 Pivot-Transport Early Riser Case IH 7230
Robert Hall Eolia, MO	288.1344	Pioneer P14830AML	AML,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250+Votivo	34000	-	-	-	275/104/120 Case IH Axial Flow 8250	Case IH 2140 Early Riser
OHIO										
Corey Farrens South Solon, OH	340.4665	DEKALB DKC63-91RIB	VT2PRIB	-	36600	-	-	-	275/0/0	John Deere 1790 CCS John Deere S680
Lincoln Winner New Weston, OH	322.1521	Golden Harvest G12S75-D	Duracade	Avicta	33000	-	-	-	175/0/0	John Deere 1775 NT John Deere S660
Neal Bond New Vienna, OH	317.1601	Pioneer P1506AM™	AM,LL,RR2	LumiGEN™ 2020 Premium	41000	Lamcap	Callisto, Makaze Keystone Roundup PowerMax	Quilt Xcel	259/104/120	John Deere 1775NT John Deere S780
WISCONSIN										
Ron Digman Mount Hope, WI	324.2126	Pioneer P1027AM™	AM,LL,RR2	Pioneer Base Treatment	37000	-	-	-	265/200/150	John Deere 1770 NT CCS Case IH 8010
Jared Ripp Dane, WI	324.1155	DEKALB DKC59-81RIB	SSRIB	-	38000	-	-	-	0/0/0	John Deere 1770 NT CCS John Deere S780
Glenn Ubbelode Plymouth, WI	308.5619	DEKALB DKC43-75RIB	VT2PRIB	-	33000	-	-	-	0/0/0	Great Plains PL5500 John Deere S760

First Place



KELLY PADGETT

Vine Grove, KY

337.3216 bu./acre

Hybrid: DEKALB DKC68-35RIB

Harvest Population: 34,000-40,000
(variable rate)

Harvester: John Deere S680

SUPERVISORS

Andy Mills: Meade County Extension Agent,
University of Kentucky

Kyle Adams: Crop Insurance Agent, Farm Credit
Mid-America

A first-year entrant in any yield contest, brothers Kelly and Chris Padgett coaxed a longtime no-till contest field into an NCGA national winning yield.

This family farm firmly believes in cover crops for soil health and erosion control, seeding 100% of their acres in the fall after harvest. They seed a combo of late-maturing barley and early-maturing wheat. If the harvest is early enough, they add radishes, rapeseed and crimson clover. The contest field had wheat and barley.

When the cover crop is 12 to 18 inches tall in spring, it's terminated with a burndown herbicide. "The cover crops also reduce weed emergence, which can eliminate the use of postemergence herbicide applications," Padgett says.

Cover crops combined with 30 years of no-till have helped their crop production more than anything they do. "Our increased soil aggregation, earthworm activity, water infiltration and holding capacity rates have produced a soft and mellow soil," he says.

Padgett totally changed planting dates for corn, which they now seed after soybeans. The contest field was planted May 5 in perfect conditions. "The corn didn't have a bad day until some hot, dry mid-August weather hurt grain fill a little bit," he says.

They selected a new DEKALB hybrid and planted a variable-rate population using Climate Corp. prescription maps. The contest field ranged between 34,000 to 40,000 plants per acre. "This year proved how big a difference the right hybrid can make, as it yielded 50 bushels per acre more than the other hybrid in that field," he says.

Their fertility regime is the same across all their acres. It begins with fall soil tests on 2.5-acre grids followed by variable-rate lime to achieve a pH of 6.8 to 7.0. On the planter, Padgett applies 20 gallons per acre of 28 percent nitrogen and KTS (Potassium Thiosulfate 0-0-25-17S). He also dribbles a mixture with the planter containing 9-24-3 plus many micronutrients, carbon, sugar and a biological. Total nitrogen came to 235 pounds per acre.

Weekly tissue testing determines the timing and nutrients for their two Y-Drop applications. The first application is applied early at V5 to compensate for cover crop nutrient uptake. It includes 20 gallons per acre of 32 percent nitrogen with KTS, more 9-24-3, micronutrients, carbon, sugar and ammonium thiosulfate (ATS). The second Y-Drop with similar ingredients occurred around V8 to V10, applied before a rain.

To keep gray leaf spot and northern corn leaf blight diseases in check, they apply fungicide/insecticide at the VT growth stage. The second application occurred at R3 when southern rust was moving in.

"Paying attention to all the small details you can control really paid off for us this year," he adds.

Basics Add Bushels

- Plant later for faster, even emergence.
- Feed the crop when and what it needs.
- Pay attention to every detail.

Second Place

JAMES JUSTICE

Beaver, WV

324.9024 bu./acre

Hybrid: Dekalb DKC62-08

Harvest Population: 38,000

Harvester: John Deere 9870 STS

SUPERVISOR

Cindy Johnson: Ag Insurance
Agent, J.T. Davis Insurance
Company

The Justice farm family has seen numerous yield champions over the decades, beginning in the late 1970s, including seven national champions. Even as current governor of West Virginia, Justice works closely with his daughter Jill and son Jay to continue pushing yields and agricultural sustainability forward.

Justice says they love to push corn populations and fertility on their best fields (2,200-foot elevation) in south-central West Virginia. Rainfall was short this year. "Fortunately, timely rains fell at the exact right time when we needed them," Justice says. "It wasn't enough to beat our winning 369 bushels per acre record from this field three years ago."

This 325 bushel per acre winner came from a field rotated from soybeans. Justice ensures quality lime application helps achieve a pH between 6.7 and 7.1. He applied a preplant 200-130-200 nitrogen-phosphorus-potassium mix, followed by one or two dry nitrogen applications with the goal of 350 bushels per acre by applying around 1.15 pounds of nitrogen per bushel—leading to a total nitrogen of around 400 pounds per acre.

"We use tissue sampling to guide our fertility plan," he says. "Fortunately, once the roots hit our subsoils, they're loaded with minor elements, so we don't have too much need for micronutrients."

Fungicides are crucial as Justice has seen gray leaf spot devastate yields come August. One application with boron is applied when about 20 percent of tassels occur. It helped the hybrid close with a strong yield and 59 to 61 pounds per bushel test weight.

Third Place

JULIA RIGDON

Jarrettsville, MD

324.5503 bu./acre

Hybrid: Dekalb DKC59-82RIB

Harvest Population: 38,000

Harvester: John Deere 9670 STS

SUPERVISOR

Andrew Kness: Extension
Agent, University of
Maryland Extension

Longtime no-tillers Julia Rigdon, her brother Harrison and their dad John have all taken home Maryland and national NCGA corn yield honors.

Their secret sauce comes down to doing the fundamentals right that can be controlled—planting when it's warm, using fungicides and experimenting with different products to find those that work.

Cover crops also play a role, especially in Maryland, given the Chesapeake Bay watershed. Rigdon used a cereal rye and radish mix on the contest field, which was terminated by a burndown herbicide two weeks before planting.

Rigdon continues to be happy with the DEKALB DKC59-82RIB hybrid that has stacked up wins in their silt loam soils. This field faced two weather extremes after a slightly wet early spring. "The rain shut off for seven weeks. Then it rained twice a week for seven weeks during the latter part of the growing season," Rigdon says.

Her fertility program begins in spring with a broadcast dry spread of 61-42-70. Then, 30 percent UAN is added to the burndown herbicide application. In mid-May, the planter seeded 38,000 plants per acre with an in-furrow starter 82-0-5-1-17 mixed with micronutrients and a fungicide.

Three sidedress applications of 50 pounds nitrogen occur at V4, V10 and V12. Then, three applications of fungicide, insecticide, and a humic at V5, V10 and R1.

"Fungicides pay the biggest dividends of anything we do," Rigdon says. "Slowing down the planter in warmer soils to achieve a quick emerging, uniform stand is critical, just as reducing combine speed to capture every kernel."

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
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C: NO-TILL NON-IRRIGATED

ALABAMA

Madison Reed Elora, TN	301.0395	DEKALB DKC67-44	VT2P	–	36000	–	–	–	200/0/0	John Deere 1775 NT John Deere S660
John Bevel Albertville, AL	285.4246	DEKALB DKC62-70	VT2P	Poncho 500	27360	Grizzly	Atrazine 4L, Laudis Roundup PowerMax Sterling Blue	Trivapro	146/0/11	Kinze 3600 John Deere 9500
Jamie Roberts Fort Payne, AL	282.4637	Pioneer P1847VYHR	AVBL,YGCB, HX1,LL,RR2	LumiGEN™ 2020 Premium	30400	Grizzly	Armezon Pro, Sharpen Atrazine 90 DF Roundup PowerMax	Veltyrna	185/0/0	John Deere 1790 CCS John Deere S670

COLORADO

Cory Chapman Wray, CO	150.9039	DEKALB DKC52-61RIB	VT2PRIB	Acceleron	17000	–	–	–	80/20/5	John Deere 1770 Drawn CCS MaxEmerge, John Deere S780
Chad Bamford Haxtun, CO	147.5232	Pioneer P0075AM™	AM,LL,RR2	–	14500	–	–	–	100/30/0	John Deere 1775NT Claas Lexion 750
Justin Livingston Stratton, CO	102.3770	Pioneer P0075AM™	AM,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250+Votivo	12000	–	–	–	75/25/0	John Deere 1770NT John Deere S780

CONNECTICUT

Louis Lipton Somers, CT	274.6590	Channel 207-27STXRIB	SSRIB	–	33800	–	Atrazine Realm Q	Xyway	350/150/245	John Deere 1770NT John Deere S670
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DELAWARE

Aaron R Thompson Hartly, DE	271.0463	Channel 214-78DGVT2PRIB	DGVT2P RIB	Cruiser+ Poncho 250	28000	–	–	–	0/0/0	Kinze 2600 Gleaner R75
Whitney Snow Smyrna, DE	253.3506	Pioneer P1136AM™	AM,LL,RR2	PPST 250	33500	Brigade 2EC Lambda	Atrazine, Zidua Roundup Max Simazat 4L	Veltyrna	220/90/100	John Deere 1770NT John Deere S770
Dylan Tull Bridgeville, DE	242.1471	Dyna-Gro D54VC14RIB	VT2P-RIB	–	23750	Lamcap Tombstone	2,4-D Salvo Atrazine 4L Bicep II MAGNUM FC Halex GT, Princep 4L	Trivapro	200/30/901	Harvest International Ultra Plant Series 40 John Deere S680

FLORIDA

Samantha Jones Wellborn, FL	205.9706	Pioneer P1847VYHR	AVBL,YGCB, HX1,LL,RR2	Amplify D +Poncho 250	26249	–	Atrazine 4L Glyphos Xtra Prowl H2O	–	210/50/250	Monosem Twin Row Case IH Axial-Flow 1660
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GEORGIA

Jerry Smith Dawsonville, GA	257.5014	Pioneer P1870YHR	YGCB,HX1, LL,RR2	–	32000	–	Atrazine Glyphosate	–	0/0/0	John Deere 7000 Conservation John Deere 9510
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KANSAS

Rod Stewart Washington, KS	293.6813	Pioneer P1548AM™	AM,LL,RR2	Lumivia	22000	–	FulTime	–	150/0/0	Kinze 3665 Case IH Axial Flow 5088
Robert Henry Robinson, KS	287.7133	Pioneer P1742Q™	Q,LL,RR2	–	34000	–	–	–	193/95/40	Case IH 1255 Front-Fold Early Riser, Claas Lexion 740
Ryan Stewart Washington, KS	285.7251	Pioneer P1413AM™	AM,LL,RR2	Lumivia	22000	–	FulTime	–	150/0/0	Kinze 3665 Case IH Axial Flow 5088

KENTUCKY

Kelly Padgett Vine Grove, KY	337.3216	DEKALB DKC68-35RIB	VT2PRIB	Acceleron	38000	–	–	–	230/21/25	John Deere 1770NT John Deere S680
Kevin Hayden Mayfield, KY	308.5073	DEKALB DKC70-45RIB	VT2PRIB	Poncho 500	38000	–	–	–	270/270/300	John Deere 1775 NT John Deere S660
Sydney Hammock Madison, IN	295.1977	DEKALB DKC111-35RIB	VT2PRIB	Acceleron+ Poncho 250	34000	–	–	–	290/100/120	John Deere 1775NT John Deere S780

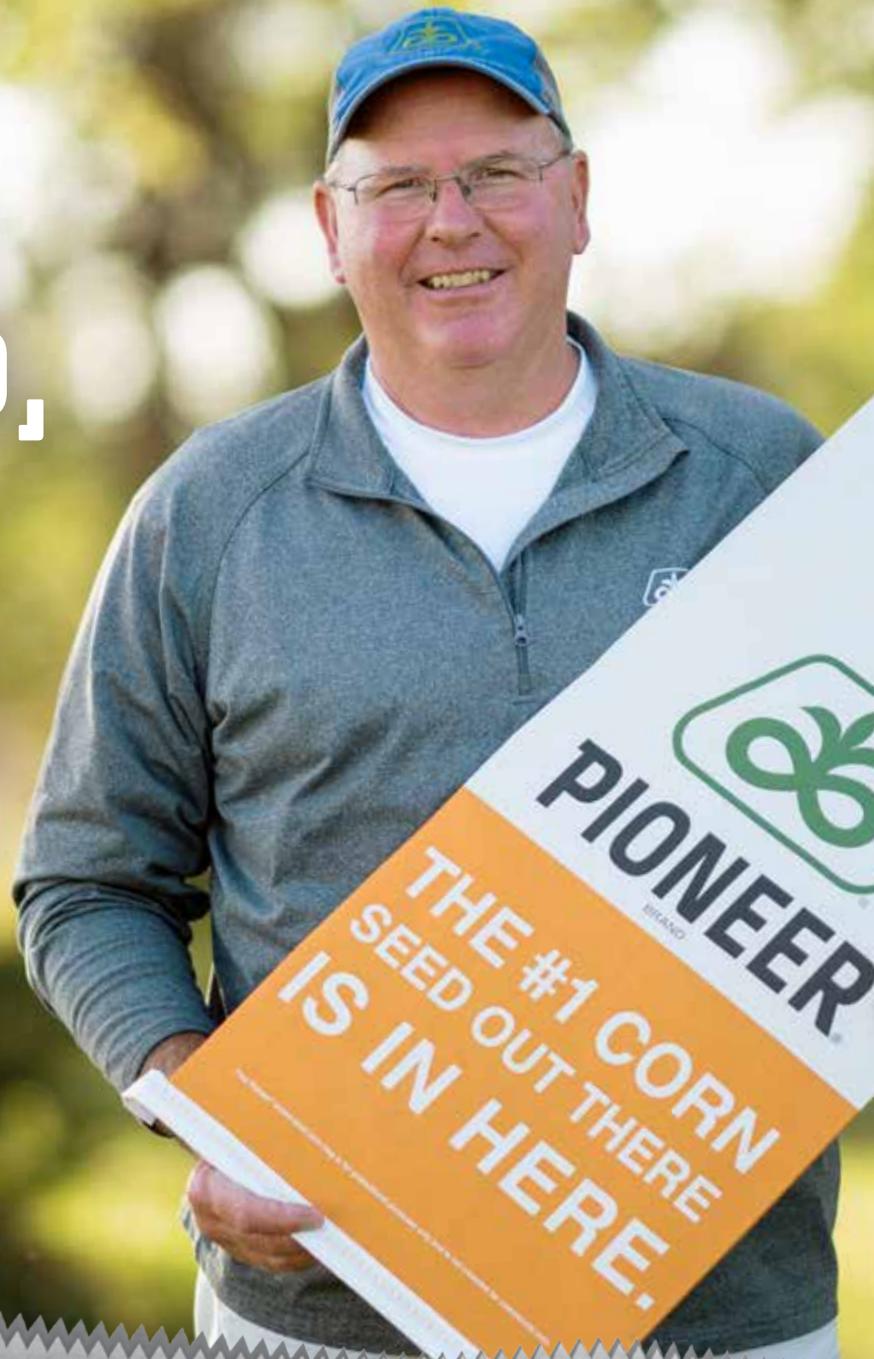
LOUISIANA

Donald Schexnayder Port Allen, LA	232.9821	Dyna-Gro D55VC80	VT2P	–	34500	–	Atrazine 90 DF Medal II, Salvo Roundup PowerMax	–	200/0/60	John Deere 1720 Stack-Fold MaxEmerge Plus John Deere F680
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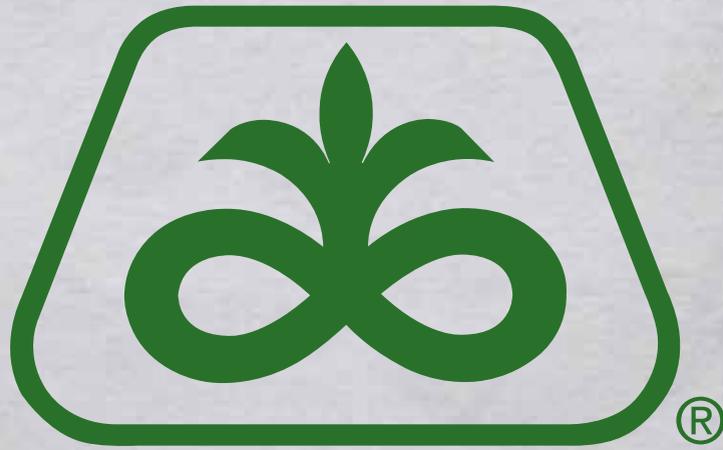


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Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
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C: NO-TILL NON-IRRIGATED

MASSACHUSETTS

Wanda Llewelyn Northfield, MA	309.0837	Channel 203-70TRERIB	Trecepta RIB	Acceleron +Poncho 250	45000	–	Atrazine+Roundup	–	220/37/230	John Deere 7200 MaxEmerge 2 Vacuum, John Deere 9500
Terry Palmer Westfield, MA	244.5974	Channel 198-17VT2PRIB	VT2PRIB	Acceleron+ Poncho 250	36000	–	Anthem MAXX Atrazine 4L, Makaze	–	180/30/100	John Deere 1770NT John Deere S670

MARYLAND

Julia Rigdon Jarrettsville, MD	324.5503	DEKALB DKC59-82RIB	VT2PRIB	Acceleron+ Poncho 250	38000	–	–	–	300/100/300	John Deere 1770NT CCS ProXP John Deere 9670 STS
John Rigdon Jarrettsville, MD	300.7651	DEKALB DKC66-06RIB	TRERIB	Acceleron+ Poncho 250	38000	–	–	–	300/100/300	John Deere 1770NT CCS ProXP John Deere 9670 STS
Beckett Denny Queen Anne, MD	287.8931	DEKALB DKC62-70RIB	VT2P	–	32500	–	–	–	250/75/120	Case IH 2150 Early Riser Front Fold Case IH 8250

MICHIGAN

Matt Scharl Bangor, MI	276.7621	DEKALB DKC59-82RIB	VT2PRIB	Acceleron+ Poncho 250	36000	–	Halex GT	–	250/40/225	John Deere 7200 John Deere 6620 Titan 2
Matt Geurink Zeeland, MI	270.6218	AgriGold A630-04VT2RIB	VT2RIB	Poncho 250	35200	–	Harness Max	–	259/25/100	Case IH 1250 Front-Fold Early Riser Case IH 5140
Alvin Ferguson Allenton, MI	268.8517	DEKALB DKC59-82RIB	VT2PRIB	Acceleron+ Poncho 250	35000	–	2,4-D LV Atrazine 90 DF Capreno, Gly Star Plus	–	190/90/160	Kinze 3600 Case IH Axial Flow 9250

MISSISSIPPI

Christian Good Macon, MS	244.2621	DEKALB DKC62-08	SS	Poncho 250	32000	–	Atrazine 4L Capreno Roundup PowerMax	–	240/0/0	John Deere 1720 MaxEmerge XP John Deere S770
Michael Williams Coldwater, MS	218.2964	AgriGold A6659VT2PRO	VT2PRO	Poncho 250	37000	–	–	–	240/50/120	Great Plains YP-1225A John Deere S670

NORTH CAROLINA

Isaac Boerema Pantego, NC	305.5638	DEKALB DKC68-35	VT2P	Poncho 1250+VOTIVO	36000	Bifenthrin	Atrazine 90DG, Impact Roundup PowerMax	Delaro	250/30/0	John Deere DB44 Case IH Axial Flow 9250
Ed Wood Andrews, NC	287.4968	DEKALB DKC66-06	TRE	Poncho 1250	33000	Sniper	Atrazine 4L, Peak Brawl II ATZ Credit Extra, Dicamba HD	Veltyma	178/3/91	John Deere 1780 Drawn Rigid Gleaner R52
Matthew Wood Andrews, NC	282.0642	Dyna-Gro D54VC14	VT2P	Poncho 1250	33000	Sniper	Atrazine 4L, Peak Brawl II ATZ Credit Extra, Dicamba HD	Veltyma	178/3/91	John Deere 1780 Drawn Rigid Gleaner R52

NORTH DAKOTA

Reid Pfau Upham, ND	188.2998	Golden Harvest G80Q01-V	Viptera 3220A	Viptera	28000	–	Armezon Pro	–	160/80/15	Case IH 2160 John Deere 9870
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NEBRASKA

Marvin and Glenn Wiles Plattsmouth, NE	318.3923	DEKALB DKC68-35	VT2P	–	40000	–	AAtrex, Acuron Bicep II	–	240/50/35	John Deere 1795 John Deere S780
Jonathan Bodlak Wakefield, NE	296.2343	DEKALB DKC63-91RIB	VT2PRIB	Acceleron	34000	–	Explorer Verdict	Veltyma	275/70/70	Case IH 1240 Case IH 7120
Kevin Steffensmeier Howells, NE	283.7722	DEKALB DKC63-91RIB	VT2PRIB	Acceleron	29000	–	Harness Xtra 5.6L	–	250/55/0	John Deere 1770 NT CCS John Deere S670

NEW HAMPSHIRE

Mary E Llewelyn Northfield, MA	236.6336	Channel 197-90STXRIB	SSRIB	Acceleron+ Poncho 250	37000	–	Atrazine+Roundup	–	220/37/230	John Deere 7200 MaxEmerge 2 Vacuum John Deere 9500
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NEW JERSEY

Kelly Truszkowski Stewartsville, NJ	307.0154	Dyna-Gro D54VC34RIB	VT2P-RIB	–	33500	–	–	–	0/0/0	John Deere 1770NT Claas Lexion 730
Thomas Meyer Pittstown, NJ	289.1911	DEKALB DKC62-70	VT2P	Acceleron+ Poncho 250	39000	Calvary	Anthem MAXX Atrazine 4L, Roundup Max Gramoxone SL 2.0	XywayLFR	200/60/90	John Deere 1775 NT John Deere S760

Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/Harvester
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C: NO-TILL NON-IRRIGATED

NEW YORK										
Bernie Townsend Canastota, NY	251.9156	Pioneer P0035Q™	Q,LL,RR2	LumiGEN™ 2020 High Rate; Poncho	35000	–	Acuron Durango	–	133/45/92	Kinze 3600 John Deere 9500
John Macauley Mount Morris, NY	244.0710	AgriGold A630-04VT2RIB	VT2RIB	Acceleron+ Poncho 250	35000	–	Capreno	–	270/52/120	John Deere 1770NT John Deere 9500
Joe Vanlieshout Verona, NY	242.4610	Pioneer P0075AM™	AM,LL,RR2	LumiGEN™ 2020 Premium	35000	–	Acuron Atrazine 90 DF Roundup PowerMax	–	100/10/120	Case IH 2150 Early Riser Front Fold Case IH 2388
OKLAHOMA										
Cody Sloan Gore, OK	253.6360	Pioneer P1718VYHR	AVBL,YGCB, HX1,LL,RR2	Amplify D +Poncho 1250	30000	–	Resicore	Trivapro	240/0/0	John Deere 1770 NT CCS John Deere S780
PENNSYLVANIA										
Zach Alger Annville, PA	318.3400	DEKALB DKC66-06RIB	TRERIB	Acceleron	36000	–	Acuron Lexar	–	200/0/0	John Deere 1790 CCS John Deere S770
David Lantz Coatesville, PA	314.9435	Pioneer P1136AM™	AM,LL,RR2	Cruiser	35000	–	AAtrex 4L, Bicep II Gramoxone, Halex GT	Miravis -	0/0/0	John Deere 1770NT John Deere S660
Conrad King Atglen, PA	299.8791	Pioneer P14830Q	Q,LL,RR2	LumiGEN™ 2020 Premium	35000	Ethos XB	Acuron	Xyway	200/0/0	Kinze 3650 John Deere S670
SOUTH CAROLINA										
Marji Young Clinton, SC	204.8195	DEKALB DKC62-08	SS	Acceleron	22000	–	–	–	140/0/0	John Deere 7200 Conservation John Deere 9600
SOUTH DAKOTA										
Scott McKee Hawarden, IA	268.0727	Pioneer P1185AM™	AM,LL,RR2	Poncho 250	35650	–	AAtrex 4L, Stinger Callisto Xtra Roundup WeatherMax	–	250/100/100	Case IH 955 Early Riser Case IH 1666
Harold Wipf Scotland, SD	244.4390	Pioneer P1244AM™	AM,LL,RR2	–	30000	–	–	–	200/0/0	John Deere 1770 Drawn CCS MaxEmerge, John Deere S680
Kyle Wilhelmsen Burke, SD	170.6201	LG Seeds LG59C72	STXRIB	Acceleron+ Poncho 250	25000	–	–	–	275/80/30	White 8100 John Deere S660
TENNESSEE										
Whitney Watson Sweetwater, TN	322.5428	DEKALB DKC66-06RIB	TRERIB	Poncho 500	32000	–	–	–	250/200/200	John Deere 1795 John Deere 9660 STS
Nick Harrell Morrison, TN	314.9740	Dyna-Gro D54VC34RIB	VT2P-RIB	Poncho 500	39000	–	Halex GT	Trivapro	280/200/200	Case IH 1255 Front-Fold Early Riser Case IH 6088
Erin Reed Elora, TN	311.2030	DEKALB DKC67-44	VT2P	–	36000	–	–	–	200/0/0	John Deere 1775 NT John Deere S660
TEXAS										
Brian Fink Cost, TX	205.6099	Pioneer P1847VYHR	AVBL,YGCB, HX1,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250+Votivo	27500	–	Gly Star Plus Leadoff	–	135/0/0	John Deere 1720 MaxEmerge XP John Deere S670
VIRGINIA										
John Shepherd Blackstone, VA	314.3957	DEKALB DKC68-35RIB	VT2PRIB	–	31000	–	–	–	0/0/0	Horsch SW2420 Case IH 8010
Peyton Davis Tappahannock, VA	313.7962	DEKALB DKC68-35RIB	VT2PRIB	Poncho 1250 +VOTIVO	30000	–	Halex GT	–	180/30/100	John Deere 1795 John Deere S780
Charles Bowie Colonial Beach, VA	310.3762	DEKALB DKC66-06RIB	TRERIB	elite 500	36000	–	Acuron, Explorer Leadoff, Roundup PowerMax	Miravis	220/0/120	John Deere 1770NT John Deere S670
VERMONT										
Jacob Bourdeau Sheldon, VT	262.0694	Pioneer P0487Q™	Q,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250+Votivo	36000	–	Charger Max, Resolve Q Roundup PowerMax	–	250/85/220	Kinze 3665 Case IH Axial Flow 7250
WASHINGTON										
John Aeschliman Colfax, WA	86.4338	DEKALB DKC33-78RIB	VT2PRIB	–	32000	–	–	–	50/10/15	John Deere 7000 Case IH Axial Flow 6088
WEST VIRGINIA										
James Justice Beaver, WV	324.9024	DEKALB DKC62-08	SS	Poncho 500	38000	Baythroid XL	Halex GT	Avaris -	400/60/100	John Deere 1790 John Deere 9870 STS
Justice Family Farms Daniels, WV	321.6457	DEKALB DKC62-08	SS	Poncho 500	36000	Baythroid XL	Halex GT	Avaris	375/50/100	John Deere 1790 John Deere 9870 STS
Jay Justice Beaver, WV	321.1421	DEKALB DKC62-08	SS	Poncho 500	32000	Baythroid XL	Halex GT	Avaris	350/50/80	John Deere 1790 John Deere 9870 STS

First Place



SHAWN KALB

Dubois, IN

399.7812 bu./acre
DEKALB DKC66-06RIB
Harvest Population: 44,000
Harvester: Case IH Axial Flow 8250

SUPERVISORS

Nick Stevens: Ag Loan Officer, Old National Bank
Tom Krodel: Ag Loan Officer, Old National Bank

If this keeps up, Shawn Kalb might want to start thinking about adding on to the display case for the awards she's won in the national corn yield contest. Between 2017 and 2022, Kalb won first-place honors four times and second-place honors twice. This year, she adds to the totals with another first-place award in this class. Her yield came within a hair of the 400 bu./acre mark.

Her approach to building a winning yield is straight forward. She starts with basic practices and products that have served her well in the past, then blends in a few new concepts that show promise for helping squeeze a few more bushels out of her entry.

Selecting a hybrid that matched up well with her soils, management and weather was one of Kalb's basics for this year. She planted DEKALB DKC66-06RIB at a rate of 45,000 seeds per acre. "It is a bigger plant than what we ordinarily like," says Kalb. "But it's very robust and healthy. The big leaves build up water reserves which can help if the weather turns a little dry."

At planting, Kalb made an in-furrow application of Concept AgriTek's Carbon RX, a soil, plant and microbe booster. She coupled that application with a package of micronutrients laid down in a 2x2x2 band. "We've done a good job of building soil fertility levels over time," she says. "We wanted to see if we could get even more of a boost early on in the season by focusing on the biological activity in the soil."

In her nutrient management program, Kalb took weekly tissue samples starting at 300 GDU's (around V3) and continued through black layer. Based on sampling results, she used Y-Drops on a Miller spray rig to apply varying amounts of nitrogen and other nutrients at critical growth stages. She mixed humic acid with liquid fertilizers for applications at V6 and V10 to stimulate biological activity in the soil. "We've been learning more and more about the relationship between soil microbes and yield," she says. "You can put all kinds of nutrients out there for the plants. But if you don't have bugs working to convert those nutrients into food, you aren't really gaining anything."

Taking part in the yield contest over the years has been a "very rewarding" experience, Kalb says. "When you're in the contest, you find yourself paying more attention to what other top growers are doing to improve their yields and you learn from them. And, at events like Commodity Classic, you make new friends from all over the country that you probably would have never met otherwise."

Basics Add Bushels

- Match up hybrids with your soils, management and weather.
- Stimulate biological activity in the soil.
- Connect with other growers to gather new ideas.

Second Place

STEVE VAN BOGAERT

Belmont, WI

327.9431 bu./acre
DEKALB DKC63-91RIB
Harvest Population: 36,000
Harvester: John Deere S670

After nearly two decades of entering the yield contest, Steve Van Bogaert steps into the national winner's circle for the first time. His yield of just under 328 bu./acre earns a second-place award.

Generally favorable weather throughout the growing season helped Van Bogaert's entry along. "It was dry overall," he relates. "For rainfall, we were down about eight inches from what we've had the past few years. But when it counted the most, we got the rain we needed."

For a hybrid, he selected DEKALB DKC63-91RIB. "It's done really well in area test plots," Van Bogaert says. "For a late-season corn, it gives you a nice stand right off the bat. It also gives you late-season health and the standability is excellent."

The contest entry was planted at 36,500 seeds per acre. "We've gone a little higher in the past," he says. "But once you get into that 37,000 to 38,000 range, it doesn't seem like you're gaining anything. You can get nice corn, but ears tend to be smaller."

Van Bogaert made a ground rig application of Trivapro fungicide while spraying herbicide in June. When the corn was tasseling a month later, he made a helicopter application of Miravis Neo. "Our goal is to get ahead of any diseases that might be in the area and to keep the plants healthy and growing for as long as we can. Depending on conditions next year, we might add a third application in mid- to late-August."

SUPERVISORS

Kayla Ruf: Ag Insurance Agent, Insight FS

Jeff Hodgson: Vo Ag Instructor, Belmont High School

Third Place

TRENT UPHOFF

Findlay, IL

324.8430 bu./acre
DEKALB DKC65-84RIB
Harvest Population: 36,000
Harvester: John Deere S780

Trent Uphoff makes his first appearance in the contest winner's circle this year. His yield of nearly 325 bu./acre earns third-place honors in this class.

Cold and wet conditions in late March and early April had Uphoff "a little concerned." But by the time his April 14 planting date arrived, the weather had turned. "We had nearly ideal conditions at planting and things stayed that way for the rest of the season," he relates. "Many parts of Illinois were extremely dry. But here, we got timely rains and good temperatures."

His contest field consists of highly fertile, Drummer Flanagan soil. It features a complete field tile system that was put in place five years ago. "The tile gives us more control over soil moisture levels and enhances the potential for higher yields," he says.

For a hybrid, he selected DEKALB DKC65-84RIB, a 115-day hybrid. "This is our second year planting it," he notes. "It has excellent plant health making it a good fit in no-till situations."

Uphoff's planting population was 38,000 seeds per acre. "That's really the top end for us," he says. "If we plant thicker than that, the plants will crowd each other out."

More than anything, he says achieving a winning yield requires a solid team effort. "Our farm employees deserve a lot of credit for all the hard work they put in," he says. "We also had great support from family members, local ag businesses and the University of Illinois Department of Crop Science."

SUPERVISOR

Ted Huber: Crop Consultant, Pro Ag Consultants

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/Harvester
IOWA										
Jeff Huinker Postville, IA	313.0527	DEKALB DKC59-82RIB	VT2PRIB	Acceleron	33750	-	-	-	190/175/200	John Deere 1760 John Deere 9670
John Becker Atlantic, IA	306.6125	Pioneer P1027AM™	AM,LL,RR2	-	34500	-	-	-	180/0/0	John Deere 1795 John Deere S770
Terry Carlson Blanchard, IA	306.0846	DEKALB DKC68-35RIB	VT2PRIB	Acceleron	33000	-	Balance Flexx, Degree Xtra Roundup PowerMax	-	230/80/80	John Deere 1770NT John Deere S780
ILLINOIS										
Trent Uphoff Findlay, IL	324.8430	DEKALB DKC65-84RIB	SS	Acceleron+ Poncho 250	36000	Tombstone	AAtrex, Laudis AAtrex+Harness Roundup PowerMax	Delaro	300/300/300	Kinze 3600 John Deere S780
Kolby Haars Geneseo, IL	304.9197	DEKALB DKC64-35RIB	VT2PRIB	Acceleron+ Poncho 250	35000	-	-	-	260/80/60	John Deere 1775 NT John Deere S780
Gary Reavis New Berlin, IL	298.6237	Wyffels Hybrids W7888RIB	SS	-	37000	-	-	-	300/100/150	John Deere 1775NT Case IH 2366
INDIANA										
Shawn Kalb Dubois, IN	399.7812	DEKALB DKC66-06RIB	TRERIB	Poncho 500	44000	-	Atrazine+Roundup Degree Xtra	Veltyrna	0/0/0	Case IH 2150 Early Riser Front Fold Case IH Axial Flow 8250
Wally Linneweber Vincennes, IN	316.8733	Pioneer P14830AML	AML,LL,RR2	Amplify D+ Poncho 250	39000	Sniper	2,4-D Amine, Acuron Makaze, Status Roundup PowerMax	-	150/75/100	John Deere 1795 John Deere S780
Taylor Wischmeier Brownstown, IN	316.2078	DEKALB DKC66-06RIB	TRERIB	-	34000	-	-	-	0/0/0	John Deere 1770NT John Deere S780
MINNESOTA										
Abby Fohrman Dover, MN	307.4013	DEKALB DKC105-33RIB	SSPRIB	Acceleron+ Poncho 250	35500	-	Harness Max, TripleFLEX Roundup PowerMax	-	225/105/100	John Deere 1770 Conservation Case IH 2588
Dan Fohrman Dover, MN	298.9546	DEKALB DKC59-82RIB	VT2PRIB	Acceleron+ Poncho 250	35500	-	Harness Max, TripleFLEX Roundup PowerMax	-	225/105/100	John Deere 1770 Conservation Case IH 2588
Glen Haag Lewiston, MN	289.3182	Pioneer P0859AM™*	AM,LL,RR2	-	38000	-	Mad Dog Resicore	-	0/0/0	Case IH 1240 Pivot-Transport Early Riser Case IH Axial Flow 6088 Case
MISSOURI										
Clark Driskell Marshall, MO	305.1917	DEKALB DKC67-44RIB	VT2PRIB	Acceleron	34000	-	-	-	230/100/90	John Deere 1770 John Deere S780
Grant Driskell Marshall, MO	300.7133	DEKALB DKC67-44RIB	VT2PRIB	Acceleron	34000	-	-	-	230/100/90	John Deere 1770 John Deere S780
Jonathan Borges Marshall, MO	274.4947	AgriGold A647-42TRCRIB	TRCRIB	-	33000	-	-	-	240/0/0	John Deere 1795 Case IH 5140
OHIO										
Lori Dauch Bellevue, OH	312.3834	Pioneer P1197AM™	AM,LL,RR2LumiGEN™	2020 Premium	33500	-	AAtrex NineO DF Buccaneer, FullTime Princep 90 DF	-	250/50/120	Kinze 3600 Case IH 5088
Jason Grant Williamsburg, OH	310.8303	BioGene Seeds BG 825V2	DGV2Pro	Amplify D	42000	-	Buccaneer+ Roundup	CoverXL	225/223/473	Kinze 3650 Case IH Axial-Flow 9120
Kevin Mattinson South Solon, OH	308.5849	Croplan Seed 5370VT2PRIB	VT2PRIB	surestart	34000	Arctic	Atrazine 4L Buccaneer, Callisto Sterling Blue, SureStart	Veltyrna	215/0/0	White 9222 Flex Frame Case IH 2388
WISCONSIN										
Steve Van Bogaert Belmont, WI	327.9431	DEKALB DKC63-91RIB	VT2PRIB	Poncho 500	36000	-	-	-	230/95/135	Kinze 4900 John Deere S670
Eugene Steiger Bloomington, WI	324.0985	DEKALB DKC107-33RIB	SSPRIB	Acceleron	40000	-	-	-	280/170/190	John Deere 1760 MaxEmerge Plus Vacuum John Deere 9660 STS
Patrick Kleiber Shullsburg, WI	320.6838	AgriGold A641-85STXRIB	STXRIB	Poncho 500	39000	-	Atrazine Dual II	-	0/0/0	Gaspardo Romina John Deere 9550

First Place



SHARON SANTINI

Phillipsburg, NJ

342.4012 bu./acre

Pioneer P0035AM

Harvest Population: 38,000

Harvester: John Deere S760

SUPERVISORS

Jay Rupell: FFA Advisor, Retired

Stephen Komar: County Extension Agent,
Rutgers University Extension

The Santinis have been entering the yield contest for more than 30 years and have no plans to stop. They learn new ways to tweak their practices to help their operation for the future.

A focus on hybrid selection tops their decision making every year. "Since we've always been with Pioneer, we stick with their recommendations, but we always look at other yield reports, too," says Sharon Santini, who clenched a 342 bu./acre yield in this category.

"We're not afraid to push our plant populations and sometimes even hit 45,000," she admits. "But sometimes higher rates can get too heavy and lodge. Our contest acres were at 40,000."

Although row widths are at 30 inches, they've experimented with 15-inch rows before and gave up. "But now with newer hybrids we plan to give fifteens a go again," she says.

Two to three tons of chicken litter are spread on their acres, accounting for about 20 to 30 percent of their fertilizer costs. In addition, phosphorus and potash are kept at maximum levels. "I apply a total of 300 units of nitrogen broadcast three to four times during the year: early spring before planting, at planting, at 3 to 4 feet tall and then at 5 feet tall or more—if it clears the Hagie spreader," she says.

The herbicide program begins with a burndown of Gramoxone, followed by 1½ quarts per acre preplant of Bicep. When corn hits 2 feet tall, she applies 3.5 pints

per acre of Halex GT.

Her biggest worry on plant disease issues comes from Northern corn blight and a newcomer, tar spot. Miravis Neo fungicide leads the way and is applied at V8 or V10 and again at R2. A variety of other fungicides enter the picture if tissue sampling shows a need. Plants are tissue sampled up to four times during the growing season. However, contest acres were only sampled once.

In addition, Mustang insecticide was applied pre-emerge to control armyworm, corn nematodes and grubs.

Santini has hired an independent crop consultant for the last 15 years who professionally scouts all acres once a week. "It's money well spent," she says, but admits she enjoys scouting, too. "Some people like to go to concerts; I like walking fields."

The growing season started out dry and there were worries they might have a disaster. Then in mid-June it rained almost every week, right up to fall, which led to an ideal harvest that began the second week of September.

Basics Add Bushels

- Plant at the right soil temperatures—upper 50 degrees.
- Plant at the right soil depth—2 inches.
- Carefully select your hybrid.

Second Place

SCOTT TRUSZKOWSKI

Stewartsville, NJ

323.7521 bu./acre

Dyna-Gro D55VC80RIB

Harvest Population: 33,600

Harvester: Claas Lexion 730

SUPERVISOR

Amy Hamm: Acting CED, USDA

Scott Truskowski locked in a second place win in this category with a 323 bu./acre yield. However, at planting he didn't think he'd have a chance at producing a yield like that.

"We had 60 days without rain before we started planting," he says. "It's the driest I've ever seen so I dropped my seeding rate from 38,000 to 36,000. I usually plant 2¼ to 2½ inches deep, but went deeper to get into any moisture." About 3½ weeks after planting, the skies opened and he got regular, much-needed rains.

For the most part, Truskowski relies heavily on advice from his Nutrien crop consultant. "He's thorough and doesn't try to cut a corner," he says. "He's 100 percent worth the money we spend."

Chicken litter from local poultry operations provide about 40 to 50 percent of fertility needs. Costs run \$15 per ton, but that more than doubles when he adds in costs for hauling, spreading, disking and labor. He also added nutrients and micronutrients four times. Tissue samples were taken weekly.

"Although my Nutrien rep and I can't prove it, we both think we got a yield bump from sulfur left by the Canadian wildfires," he says. "We had days when we couldn't see 100 yards in front of us."

Weed control includes a pre-emerge treatment of Atrazine and Resicore followed by Roundup. He also uses 15.2 ounces per acre of Xyway fungicide in-furrow at planting, and at V5 applies 7 ounces per acre of Magistrate fungicide.

Third Place

JEFF KOELZER

Onaga, KS

322.3699 bu./acre

DEKALB DKC68-35RIB

Harvest Population: 36,000

Harvester: CaseIH 8250

SUPERVISOR

Keith Figue: FFA Advisor,
Onaga High School

After being in the contest since 2009, Jeff Koelzer says he's "super stoked" to have gotten on the national stage with his third-place win of 322 bu./acre.

That's surprising since planting conditions were bone dry in the spring and he worried the corn wouldn't even germinate. However, what helped, he says, is that he's on heavy, black river-bottom soils.

"As a farmer-dealer for DEKALB, I have access to tremendous regional agronomists from Bayer that help me select hybrids, like DKC68-35RIB," he says, adding that he went with 118-day corn and planted at a 36,000 population on his contest acres as well as his overall acres.

With strip-till, he fall-applies 250 pounds anhydrous, 200 pounds phosphate and 100 pounds potash per acre. He also fall-applies 2,4-D and Roundup. In the spring, he goes with Balance Flexx, Atrazine and Roundup (if needed) preplant, with Laudis and Roundup at V4 to V6.

At planting, Koelzer treated seed with Hopper Throttle for better root and stalk strength. He also used a starter fertilizer, a micronutrient package and Xyway fungicide at 10 ounces per acre. At pre-tassel he top-dressed an additional 60 pounds of urea per acre. Since Southern rust and tar spot are problem diseases, he also flies on Delaro fungicide at tassel.

"A few timely rains helped, but what saved the day was 10 inches of rain in July that carried us through," he says.

Harvest, using a CaseIH 8250 combine, was a snap for Koelzer with "the best conditions I can remember."

Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/Harvester
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E: STRIP-TILL, MINIMUM-TILL, MULCH-TILL, RIDGE-TILL NON-IRRIGATED

ALABAMA										
Doug Lipscomb Foley, AL	287.8230	Dyna-Gro D57VC51	VT2P	Awaken	31500	–	–	–	300/140/220	John Deere 1700 MaxEmerge XP John Deere 9670 STS
Mike Henderson Madison, AL	275.9673	AgriGold A645-16VT2PRO	VT2PRO	–	26600	–	–	–	225/0/0	John Deere 1775NT Claas Lexion 8600
COLORADO										
Brandon Bieseimer Haxtun, CO	169.2056	Pioneer P0622AML™	AML,LL,RR2	–	13500	–	–	–	60/0/0	John Deere 1770 Drawn CCS MaxEmerge, John Deere S670
CONNECTICUT										
Jacob Lipton Somers, CT	267.9620	Channel 207-27STXRIB	SSRIB	–	33800	–	Atrazine Realm Q	Xyway	350/150/245	John Deere 1770NT John Deere S670
FLORIDA										
Russell McLeod Ochlocknee, GA	233.7514	Pioneer P1847VYHR	AVBL,YGCB, HX1,LL,RR2	Amplify D+ Poncho 1250	30115	–	Atrazine 4L Glyphos Xtra, Prowl H2O	–	225/110/285	Monosem Twin Row Case IH 1640
GEORGIA										
Logan Poppell Jesup, GA	195.6760	AgriGold A6659VT2PRO	VT2PRO	Poncho 250	29000	Counter 15 G LL	2,4-D+Roundup Dual II Magnum, Paraquat	–	220/45/130	John Deere 1700 Twin Row John Deere 9770
Kenny Poppell Jesup, GA	171.2955	AgriGold A6659VT2PRO	VT2PRO	Poncho 250	29000	Counter 15 G LL	2,4-D+Roundup Dual II Magnum, Paraquat	–	220/45/130	John Deere 1700 Twin Row John Deere 9770
KANSAS										
Jeff Koelzer Onaga, KS	322.3699	DEKALB DKC68-35RIB	VT2PRIB	Poncho 500	36000	–	Degree Xtra, Laudis Roundup PowerMax	Delaro Xyway	300/80/60	Case IH 2150 Early Riser Front Fold Case IH 8250
Douglas Armstrong Atchison, KS	265.6771	AgriGold A645-16VT2RIB	VT2RIB	–	34000	–	–	–	220/100/100	John Deere 1775 NT John Deere S670
Joe Heathman Matfield Green, KS	252.1329	Taylor Seed Farms 6015	Trecepta RIB	–	26000	–	–	–	150/0/0	Great Plains YP-1625A Case IH Axial Flow 7120
KENTUCKY										
Scott Zoglmann Owensboro, KY	322.2961	DEKALB DKC68-35	VT2P	–	34000	–	2,4-D+Roundup Acuron	–	314/92/120	Case IH 2150 Early Riser Front Fold John Deere S770
Ethan Straney Vine Grove, KY	295.1880	DEKALB DKC65-95RIB	VT2PRIB	–	35000	–	–	–	200/25/25	Harvest International Ultra Plant Series 40, Case IH 8010
Darrell Hagan Whitesville, KY	289.6322	DEKALB DKC66-06RIB	TRERIB	Acceleron	34000	Tundra	Armezon Pro, Peak Atrazine 4L, Cornerstone Sterling Blue	Veltyrna	300/0/0	Kinze 3600 John Deere S680
LOUISIANA										
Danny Schexnayder Erwinville, LA	244.1114	DEKALB DKC68-69	VT2P	Poncho 1250+Raxil	34500	Sniper	Atrazine 90 WDG Medal II Roundup PowerMax	–	200/0/60	John Deere 1700 MaxEmerge XP John Deere F 680
MASSACHUSETTS										
Pat Wysocki Hadley, MA	244.2930	Channel 203-70TRERIB	Trecepta RIB	Acceleron+ Poncho 250	35000	–	Harness Xtra 5.6L Roundup	–	230/40/150	Kinze 3600 Case IH 2388
Chris Parsons Hadley, MA	214.5836	Pioneer P0035Q™	Q,LL,RR2	PPST 250	32000	Sniper	Keystone LA Makaze, Realm Q	–	220/5/150	Kinze 2500 John Deere 9550

Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/Harvester
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E: STRIP-TILL, MINIMUM-TILL, MULCH-TILL, RIDGE-TILL NON-IRRIGATED

MARYLAND										
Harrison Rigdon Jarrettsville, MD	312.0423	DEKALB DKC59-82RIB	VT2PRIB	Acceleron+ Poncho 250	38000	–	–	–	300/100/300	John Deere 1770NT CCS ProXP John Deere 9670 STS
David Hill Kennedyville, MD	276.5956	Pioneer P1587Q™	Q,LL,RR2	Cruiser 1250	34000	–	AAtrex 4L Cinch ATZ, Realm Q	–	220/75/90	Kinze 3600TR John Deere S770
Brad Rill Hampstead, MD	275.0959	DEKALB DKC64-22RIB	VT2PRIB	–	34000	–	–	–	0/0/0	Fendt Momentum FTPM24-30 Case IH 8250
MAINE										
James Hilton Norridgewock, ME	203.0596	Channel 185-30STXRIB	STX RIB	–	29500	–	–	–	185/75/180	Case IH 1260 Claas Lexion 730
MICHIGAN										
William Fein Hopkins, MI	288.0854	DEKALB DKC59-82RIB	VT2PRIB	Acceleron	38000	–	Acuron Flexi	–	275/0/0	John Deere 1775 NT John Deere S780
Luke Zwagerman Holland, MI	288.0409	AgriGold A630-04VT2RIB	VT2RIB	Poncho 250	34500	–	Lumax EZ	–	300/100/120	John Deere 1790 John Deere 9660
Alden Arendson Hamilton, MI	280.3210	DEKALB DKC53-27RIB	SSRIB	Poncho 500	32000	–	Fearless Xtra	–	180/10/60	John Deere 1760 Conservation John Deere 9500
MISSISSIPPI										
Michael Massey Senatobia, MS	287.0121	DEKALB DKC65-99	TRE	Acceleron+ Poncho 250	36000	–	–	–	220/60/110	John Deere Custom Made John Deere S670
Jason Hunter Glen Allan, MS	263.3929	Pioneer P0953YHR	YGCB,HX1, LL,RR2	Cruiser 250	34000	–	Armezon Pro Atrazine 90 DF Roundup PowerMax	Veltyrna	220/120/200	Planterworx HS1630 John Deere X9
Justin Hurt Senatobia, MS	243.5325	AgriGold A6659VT2PRO	VT2PRO	Poncho 250	36000	–	–	–	246/0/0	Monosem Twin Row John Deere S670
NORTH CAROLINA										
Delbert Armstrong Belhaven, NC	292.3713	DEKALB DKC64-65	VT2P	–	34000	–	–	–	233/123/132	John Deere DD66 John Deere S790
Chase & Allan Harris Snow Hill, NC	285.2108	DEKALB DKC68-35	VT2P	Poncho 1250	28500	–	–	–	0/0/0	John Deere 1725 CCS Stack-Fold John Deere S680
Anthony Smith Pink Hill, NC	284.9077	DEKALB DKC68-35	VT2P	P1250	28000	Bifenthrin	2,4-D Amine, Atrazine Halex GT, Roundup	Trivapro	176/250/250	John Deere DR16 John Deere S670
NORTH DAKOTA										
Renee Edwards Adrian, ND	310.5207	DEKALB DKC43-75RIB	VT2PRIB	–	32500	–	–	–	559/110/35	John Deere 1790 CCS John Deere S780
Steve Huber Berlin, ND	299.6818	DEKALB DKC44-98RIB	VT2P	–	34000	–	–	–	140/70/30	John Deere 1770 NT CCS John Deere S780
Robert Huber Edgeley, ND	298.4280	DEKALB DKC44-98RIB	VT2P	–	34000	–	–	–	140/70/30	John Deere 1770 NT CCS John Deere S780
NEBRASKA										
Michael Heldt Yutan, NE	293.5037	DEKALB DKC70-27RIB	VT2PRIB	Acceleron+ Poncho 250	28500	–	TripleFLEX Verdict	Trivapro	225/13/3	John Deere 1775NT John Deere S780
Galen Grimm Hiawatha, KS	278.1938	Pioneer P1742Q™	Q,LL,RR2	–	32000	–	–	–	0/0/0	Harvest International Ultra Plant Series 40, John Deere S780
Mike Scholting Louisville, NE	269.7265	AgriGold A643-37-3110	Agrisure 3110	Acceleron+ Poncho 250	31500	–	Atrazine, Callisto Crop Oil, Dual, Priority	–	216/78/0	Case IH 2150 Early Riser Front Fold John Deere S680

Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/Harvester
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E: STRIP-TILL, MINIMUM-TILL, MULCH-TILL, RIDGE-TILL NON-IRRIGATED

NEW HAMPSHIRE

Frederick Llewelyn Northfield, MA	296.6054	Channel 199-29STXRIB	SSRIB	Acceleron+ Poncho 250	40000	–	Atrazine+Roundup	–	220/37/230	John Deere 7200 MaxEmerge 2 Vacuum, John Deere 9500
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NEW JERSEY

Sharon Santini Phillipsburg, NJ	342.4012	Pioneer P0035AM™	AM,LL,RR2	–	38000	Calvary	Bicep Roundup PowerMax	Miravis	200/100/100	John Deere 1795 John Deere S760
Scott Truskowski Stewartsville, NJ	323.7521	Dyna-Gro D55VC80RIB	VT2P-RIB	–	33600	–	–	–	0/0/0	John Deere 1770NT Claas Lexion 730
Jeffrey Barlieb Stewartsville, NJ	307.4292	Pioneer P1136AM™	AM,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250+Votivo	35000	Ethos XB	Acuron	–	350/0/200	John Deere 1780 John Deere S760

NEW YORK

Matthew Swede Piffard, NY	278.6908	DEKALB DKC58-64RIB	SS	Acceleron+ Poncho 250	35000	–	Roundup PowerMax Yukon	–	215/91/141	John Deere 1775 NT John Deere S680
Roger Arliss Clyde, NY	263.8412	AgriGold A630-04VT2RIB	VT2RIB	Acceleron+ Poncho 250	34500	–	Acuron, Atrazine Roundup PowerMax	Miravis XywayLFR	295/72/155	John Deere 1770NT John Deere 9770 STS
Andrew McIlroy Pavilion, NY	262.8924	DEKALB DKC105-35RIB	VT2PRIB	Acceleron	35000	–	Atrazine 4L Halex GT	–	232/93/84	John Deere 1745 John Deere 9670 STS

OKLAHOMA

Gayla Ledbetter Okmulgee, OK	276.9092	DEKALB DKC69-99	TRE	Acceleron	32000	–	Atrazine 4L, Callisto Bicep II Magnum Gly Star Plus	–	250/80/100	John Deere 1770NT John Deere S770
Chris Ledbetter Okmulgee, OK	241.4432	AgriGold A643-52VT2RIB	VT2RIB	Acceleron+ Poncho 250	32000	–	Atrazine 4L, Callisto Bicep II Magnum, Gly Star	–	250/80/100	John Deere 1770NT John Deere S770
Daniel Edmonds Morris, OK	230.7251	AgriGold A643-52VT2RIB	VT2RIB	Acceleron+ Poncho 250	27500	–	Atrazine 4L, Callisto Bicep II Magnum, Gly Star	–	200/60/80	John Deere 1770NT John Deere S770

PENNSYLVANIA

Rhoda Mast Morgantown, PA	290.8192	Pioneer P0924Q™	Q,LL,RR2	Poncho 250	35500	Capture LFR	Balance Flex Paraquat, Trizmet Warrior	XywayLFR	280/40/183	John Deere 1745 John Deere 9870 STS
Ronald Kurtz Fleetwood, PA	289.8085	Pioneer P1383AM™	AM,LL,RR2	Lumivia	34500	–	AAtrax, Halex Anthem MAXX Gramoxone	–	201/19/6	Kinze 3500 John Deere S670
Andrew Martin Lebanon, PA	281.3321	DEKALB DKC62-70RIB	VT2P	Acceleron	35350	–	Acuron Lumax	–	180/0/0	Kinze 3500 John Deere 9500

SOUTH CAROLINA

Franklin Howey Monroe, NC	253.3299	DEKALB DKC64-22	VT2P	Poncho 1250	32300	–	Atrazine, Gramoxone Roundup PowerMax Warrant	Delaro Complete	148/0/60	John Deere 1795 John Deere X9
Frank Howey Monroe, NC	242.3609	DEKALB DKC69-99	TRE	Poncho 1250	32500	–	2,4-D, Atrazine Gramoxone, Warrant Roundup PowerMax	Delaro Complete	148/0/60	John Deere 1795 John Deere X9
Thomas Jameson Orangeburg, SC	194.2685	Pioneer P1847VYHR	AVBL,YGCB, HX1,LL,RR2	Amplify L+ Poncho 250	25000	Counter 20 G	Atrazine Roundup PowerMax	–	150/0/75	John Deere 1705 Case IH 7140

Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
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E: STRIP-TILL, MINIMUM-TILL, MULCH-TILL, RIDGE-TILL NON-IRRIGATED

SOUTH DAKOTA										
Taylor & Renee Swisher Groton, SD	282.1973	Croplan Seed CP3735SSRIB	SSRIB	Amplify D+ Poncho 250	36500	-	Atrazine 4F, Class Act NG Harness Max, Interlock Roundup PowerMax	-	145/18/12	John Deere 1770 NT CCS John Deere 9770 STS
Travis Swisher Groton, SD	280.3984	Croplan Seed 4188VT2PRIB	VT2PRIB	Amplify D+ Poncho 250	36500	-	Atrazine 4L, Class Act NG Harness Max, Interlock Roundup PowerMax	-	145/18/12	John Deere 1770 NT CCS John Deere 9770 STS
Robert Holzwarth Hazel, SD	275.6861	Hefty Seed H4922	VT2 PRO		34000	-	-	-	200/100/63	John Deere 1775 NT John Deere 9870 STS
TENNESSEE										
Jabe Watson Sweetwater, TN	319.5914	DEKALB DKC68-35RIB	VT2PRIB	Poncho 500	32000	-	-	-	275/200/200	John Deere 1795 John Deere 9660 STS
Ethan Tanner Union City, TN	317.3932	DEKALB DKC68-35	VT2P	Acceleron	33000	Ethos XB	Laudis	Miravis	275/0/60	Case IH 2150 Early Riser Front Fold Case IH 8250
William Latham Belvidere, TN	317.0225	DEKALB DKC69-99	TRE	Acceleron	38000	-	Halex GT	-	300/250/250	Kinze 3800 New Holland CR980
TEXAS										
Justin Hansen Lorena, TX	233.8339	Dyna-Gro D54VC14	VT2P	Poncho 1250+ VOTIVO	28000	-	-	-	0/0/0	John Deere 1770NT John Deere S780
Kyle Huvar Garwood, TX	208.6487	Dyna-Gro D54VC14	VT2P	Amplify D+ Poncho 1250	26000	-	Halex GT Verdict	-	172/60/55	John Deere 7300 MaxEmerge 2 Case IH 2388
VIRGINIA										
Tommy Rountree Suffolk, VA	315.6917	DEKALB DKC68-35	VT2P	Acceleron+ Poncho 250	36000	-	-	-	0/0/0	John Deere 7100 John Deere 8820
Graham Rountree Smithfield, VA	311.9136	DEKALB DKC68-35	VT2P	Acceleron	36000	-	-	-	0/0/0	John Deere 7100 John Deere 8820
Ryan Stephenson Wakefield, VA	301.7337	DEKALB DKC66-06	TRE	Acceleron+ Poncho 250	35000	-	Halex GT	-	250/100/180	John Deere 1720 Stack-Fold MaxEmerge Plus Case IH Axial Flow 8240
VERMONT										
Rene Bourdeau Swanton, VT	298.0372	Pioneer P9823Q™	Q,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250 +Votivo	36000	-	Atrazine 4F, Charger Max Roundup PowerMax Sterling Blue	-	280/15/117	John Deere 1775 NT Case IH Axial Flow 7250
Jack Kennett Vergennes, VT	191.8198	Pioneer P0035Q™	Q,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250+Votivo	36000	-	-	-	0/0/0	Kinze 3500 Case IH 2588
WEST VIRGINIA										
Ronald Widmyer Charles Town, WV	206.0306	Pioneer P1170AM™	AM,LL,RR2	-	30000	-	Lexar, Princep 4L Roundup PowerMax	-	200/100/100	John Deere 1770 Conservation Case IH 1660
WYOMING										
Lee Peterson Albin, WY	128.4794	DEKALB DKC43-75RIB	VT2PRIB	-	14500	-	Armezon Pro, Atrazine 4L Durango DMA	-	60/30/10	John Deere 1770 NT CCS John Deere S780
Mike Peterson Albin, WY	119.4274	Pioneer P9188AM™	AM,LL,RR2	Poncho 250	14500	-	AAtrex 4L, Armezon Pro Durango DMA	-	60/30/10	John Deere 1770NT CCS ProXP John Deere S780



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First Place



RHYLAN KALB

Dubois, IN

363.1221 bu./acre
DEKALB DKC66-06RIB
Harvest Population: 44,000
Harvester: Case IH Axial Flow 8250

SUPERVISORS

Nick Stevens: Ag Loan Officer, Old National Bank
Tim Robinette: Ag Loan Officer, Old National Bank

Young Rhylan Kalb continues her upward and onward march in the yield contest. Counting this year's first-place finish with a yield topping 363 bu./acre, she has appeared in the contest winner's circle four years in a row.

Despite all her success, she's not ready to be done taking part in the contest any time soon. "I just want to keep learning and getting better at this," says the 19-year-old.

Ahead of her May 3 planting date, Kalb used a Soil Warrior strip-tillage machine to prep the contest entry field. "The big blades on the machine get us deep into the ground and really break up the hardpan," she explains. "The result is a nice clean seed trench that is good for root growth."

Also ahead of planting, she spent a good deal of time with other family members getting their CaseIH 2150 planter in tip-top condition. "Once we get into the field, we want to be sure everything is ready to go and working like it should be," she explains. "Planting is where you have the most influence over yield. If you don't get things just right then, your yield potential will be limited."

In selecting a hybrid for her entry, Kalb worked closely with local DEKALB representative Matt Parmer. "Matt helped me sort through all the great varieties that are out there and helped me pick one that would work well with our soils, management and weather," she says.

Kalb planted DEKALB DKC66-06RIB at a rate of

45,000 seeds per acre. "We had it in one of our on-farm test plots last year and it did very well," she says.

To help get her entry off to a good start, she made an in-furrow application of Agri-Sweet that included humic acid, Capture insecticide and zinc. She also laid a micronutrient package 2 inches deep and 2 inches to both sides of the seed trench.

Regular field scouting was another component of Kalb's high-yield game plan. From the time the corn emerged through the rest of the growing season, she walked the contest field at least once a week to check on developments related to crop growth, plant stress, soil conditions, insect and disease pressure and more. "Things are changing all the time," she says. "If you're walking the field regularly, you get a better idea of the things that are going right and learn from that. If you spot a problem, you can take steps to correct it. You want to catch the little problems before they turn into big problems."

Basics Add Bushels

- Get planter in tip-top shape ahead of the season.
- Seek out advice from company experts.
- Scout fields regularly to head off potential problems.

Second Place

REGINALD KAMPS

Darlington, WI

351.7848 bu./acre
PIONEER P0529Q
Harvest Population: 36,500
Harvester: Case IH 2377

Last year, Reginald Kamps stepped onto the national contest stage for the first time, earning third-place honors with a yield topping 324 bu./acre. This year, he boosted yield by 27 bushels and claims second place honors in this class.

Conditions were favorable when Kamps planted his contest field on May 10. Right after emergence, though, the weather turned. "We had one of the driest Junes on record with just 1½ inches of rain," he says. "For the rest of the summer, we'd get a little shower here or there. But we never had the big soaking rain we thought would turn things around."

The contest field was planted to Pioneer P0529Q. "This hybrid showed really good yield potential in field trials in our area," he says. "It also helps handle tar spot and it scores well for stress emergence."

At planting, Kamps laid down Riser starter fertilizer in a 2x2 band. Along with that, he blended in Sniper insecticide for rootworm control and Radiate to promote root health.

For next year, he's looking forward to putting his own drone to work for the first time. "With it, we'll be able to use a wider variety of products, and we'll have more flexibility on where and when we make applications," he says. "Also, we shouldn't have to make as many trips through the field with our equipment. That will lead to time and fuel cost savings and should reduce soil compaction. It's exciting."

SUPERVISORS

Tim White: Ag Loan Officer, First National Bank
Sheri Engelke: Ag Loan Officer, Wisconsin Bank Trust

Third Place

DON JACKSON

Camden, OH

324.7033 bu./acre
DEKALB DKC66-06RIB
Harvest Population: 36,500
Harvester: John Deere 9570 STS

Don Jackson makes his first appearance on the national contest stage. His yield of nearly 325 bushels qualifies for third place honors in this class. "We've been entering the contest for about 10 years," he says. "This feels pretty good."

In crafting his yield, Jackson focused on the front end of the growing season. Over the preceding winter, he spent hours in the farm shop giving his 12-row, Kinze 3650 planter a thorough once-over—making sure hydraulic downforce was in good working order, having seed meters tested, measuring coulter blades and more. "If you want good, even emergence, you can't overemphasize the importance of planter maintenance," Jackson says. "If you don't get things right at planting, you'll be behind the eight ball for the rest of the season."

Jackson's contest entry went into the ground on May 5. He planted DEKALB DKC66-06RIB at a rate of 38,000 seeds per acre. For an early boost, he laid down a starter fertilizer consisting of 40 units of 28 percent nitrogen plus zinc, sulfur and other micronutrients in a 2x2x2 band. He also mixed in 15 ounces per acre of Xyway fungicide with the starter. "The Xyway gives the plants some protection against any diseases and pests they might run into early on," he says.

At R3, Jackson came back with a fly-on application of Delaro Complete fungicide. "We can see tar spot showing up here in late August and early September," he relates. "The fly-on application helps mitigate any damage."

SUPERVISOR

Chris Schoen: Ag Loan Officer, Farmers State Bank

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
IOWA										
Chris Conner Walnut, IA	324.2367	DEKALB DKC62-89RIB	TRE	–	32500	–	–	–	220/65/65	Kinze 3600 Case IH 7230
Dean Darling Decorah, IA	322.7903	DEKALB DKC59-82RIB	VT2PRIB	Acceleron	35000	–	Atrazine 90 DF, DiFlexx Harness Max Roundup PowerMax	Delaro Complete	220/0/0	Case IH 2150 Early Riser Front Fold Case IH Axial Flow 7250
Chad Rockow Stockton, IA	309.8837	Pioneer P1027AM™	AM,LL,RR2	LumiGEN™ 2020 Premium	35000	–	Atrazine, Callisto Generic Roundup Keystone LA, Realm Q	–	0/0/0	John Deere 1775 NT John Deere S780
ILLINOIS										
Tony Uphoff Findlay, IL	322.5764	Dyna-Gro D56TC44	Trecepta	Acceleron+ Poncho 250	36000	Tombstone	AAtrex, Laudis AAtrex+Harness Roundup PowerMax	Delaro	300/300/300	Kinze 3600 John Deere S780
Randy Haars Geneseo, IL	321.7562	DEKALB DKC66-18RIB	VT2PRIB	Acceleron+ Poncho 250	35000	–	–	–	260/80/60	John Deere 1775NT John Deere S780
Alan Johnston Galva, IL	319.4827	DEKALB DKC66-06RIB	TRERIB	Acceleron	35000	–	Harness Max	–	260/80/60	Fendt Momentum FTPM24-30 John Deere S780
INDIANA										
Rhylan Kalb Dubois, IN	363.1221	DEKALB DKC66-06RIB	TRERIB	Poncho 500	44000	–	Atrazine+Roundup Degree Xtra, Laudis	Veltyrna	0/0/0	Case IH 2150 Early Riser Front Fold Case IH Axial Flow 8250
Darren Doerstler Greens Fork, IN	321.0006	Pioneer P14830AML	AML,LL,RR2	Lumivia	33500	–	Cinch	–	0/0/0	Case IH 2150 Early Riser Front Fold Case IH 8250
Brian Warpup Warren, IN	316.2901	DEKALB DKC64-64RIB	SS	Acceleron	35000	–	Balance Flexx Harness Xtra, Roundup	–	220/104/120	John Deere 1775 NT John Deere S770
MINNESOTA										
Logan Fendrich Wells, MN	298.9452	Pioneer P1027AM™	AM,LL,RR2	–	33800	–	–	–	190/0/0	Case IH 1255 Case IH 7088
Mark Fendrich Wells, MN	289.6601	Pioneer P0953AM™	AM,LL,RR2	–	33800	–	–	–	190/0/0	Case IH 1255 Case IH 7088
Gary Sobeck Winona, MN	285.2346	DEKALB DKC63-91RIB	VT2PRIB	Acceleron	38000	–	AAtrex, Glyphosate Resicore	–	160/48/160	Kinze 3600 Case IH 5088
MISSOURI										
Bryor Lindner Keokuk, IA	304.1420	FS InVISION FS 6595V RIB	VT Double PRO® RIB Complete®	–	36500	–	Lexar+Roundup	–	200/75/150	John Deere 1770 NT CCS John Deere S780
Chris Lindner Keokuk, MO	302.1805	Beck's Hybrids 6374V2P	V2P	–	36500	–	Lexar+Roundup	–	200/74/150	John Deere 1770 NT CCS John Deere S780
Galt Porter Mercer, MO	281.8450	Pioneer P1718AML™	AML,LL,RR2	–	36000	–	Atrazine 4F, FulTime Realm Q, Roundup PowerMax	–	220/70/80	John Deere 1775 NT John Deere S790
OHIO										
Don Jackson Camden, OH	324.7033	DEKALB DKC66-06RIB	TRERIB	–	36500	–	Capreno Class Act NG Degree Xtra Roundup PowerMax	XywayLFR	140/0/0	Kinze 3650 John Deere 9570 STS
Jim Dauch Bellevue, OH	324.1384	Pioneer P1383AM™	AM,LL,RR2	LumiGEN™ 2020 Premium	33900	–	AAtrex NineO DF Buccaneer, FulTime Princep 90 DF	–	250/50/120	Kinze 3600 Case IH 5088
Andrew Bond New Vienna, OH	318.5283	Pioneer P1383AM™	AM,LL,RR2	LumiGEN™ 2020 Premium	41500	Lamcap	Callisto, Keystone Makaze Roundup PowerMax	Quit Xcel	258/104/120	John Deere 1775NT John Deere S780
WISCONSIN										
Reginald Kamps Darlington, WI	351.7848	Pioneer P0529Q™	Q,LL,RR2	–	36500	–	–	–	233/39/120	Kinze 3200 Case IH 2377
Krysty Kamps Darlington, WI	324.3588	DEKALB DKC59-81RIB	SSRIB	–	37500	–	–	–	256/39/120	Kinze 3200 Case IH 2388
Nick Schultz Fox Lake, WI	317.8402	Pioneer P0529Q™	Q,LL,RR2	LumiGEN™ 2020 Premium	35000	–	–	–	150/0/0	Case IH 1235 Stackbar Early Riser John Deere S760

First Place



CRAIG HULA

Charles City, VA

590.0198 bu./acre

Hybrid: **Pioneer P1081AM**

Harvest Population: 45,000

Harvester: **John Deere S770**

SUPERVISORS

Tabea Zimmerman: Conservation Specialist, Colonial Soil & Water Conservation
Logan Ellis: Conservation Specialist, Colonial Soil & Water Conservation

Along the banks of the James River next to his home place near Charles City, Craig Hula began his bid to break his dad's (David Hula) yield record of 615 bu./acre in that same sandy loam field.

The weather was average during this growing season in eastern Virginia; it was not too wet, dry, or hot. "Fortunately, cool nights helped the crop. We have a 55-acre pivot on this field, so we can keep the plant cool. We probably added ½-inch of irrigation to this sandy loam soil about 16 times," he says.

Smoke from Canadian wildfires did produce haziness during the spring, but Hula didn't believe it impacted crop yield as the corn was still in the vegetative stage. "I think this new **Pioneer P1081AM hybrid** was the difference maker this year, along with all our attention to detail," Hula says. "We tend to get comfortable with hybrids, but we tried a new one and were happy to see how uniform and fast it emerged—within 12 hours, it seemed."

He seeded the hybrid on April 10 at 52,000 plants per acre on 30-inch rows. Hula was impressed by the number of tillers that produced second ears with grain and also noticed plants stayed green through harvest.

For fertility, Hula begins with one-acre grid soil sampling to gauge pH. Nitrogen is managed based on yield goals and weekly tissue testing, reinforced with sampling strategies.

At planting, Hula uses deep placement starter with nitrogen, phosphorus, zinc, boron, sulfur, nutrient enhancers and biologicals. The goal is to get the plant up and growing quickly so roots can access more nutrients.

Hula didn't use fertigation this year, opting for three sidedress applications using EZ-Drops on their **John Deere 412R** high-clearance sprayer. Fungicides were sprayed twice at early brown silk and three weeks later, along with adding Xyway fungicide at planting.

"Everything seemed to work well this year. This winter, we'll look at all the data from our test plots and changes we did on the farm. We'll discuss any new changes before determining our plan for next season," Hula says.

When asked about advice for other farmers striving to push yields, Hula encourages planting corn during a warm spell and experimenting with new things in small areas across the farm. "Don't try too many things. Pick a couple and try them across several areas of the farm and see where they work. Practices we used this year came from plots we did years before, so don't give up."

Basics Add Bushels

- Use a hybrid that can be pushed.
- Fast, uniform plant emergence.
- Constant testing and learning.

Second Place

RICHARD RATHJEN

Clayton, NM

380.0762 bu./acre

Hybrid: **Pioneer P1572AM**

Harvest Population: 31,000

Harvester: **John Deere S680**

Richard Rathjen and his son Ken turned a failing wheat crop field into an irrigated first-time no-till winning yield in the Oklahoma panhandle. "Our intended wheat silage crop was failing, so we decided to no-till the **Pioneer P1572AM** hybrid at 31,000 plants per acre with a starter into six- to eight-inch tall wheat on April 21, treating it as a cover crop," Rathjen says.

He followed with 115 pounds per acre of urea, then sprayed herbicide to terminate the wheat, mixed with 32 percent liquid fertilizer. His starter fertilizer included nitrogen, phosphorus, potassium, sulfur, copper, zinc and micronutrients. And he dribbled on 28-0-5 as a pop-up with the planter.

At 4,600 feet elevation, Rathjen dealt with uncommon cool and wet conditions early. This field received 2 inches of rain after planting and was running behind in growing degree units early, with no-till fields comparably behind their strip-till corn. But at harvest, no-till had a 30 bu./acre advantage over strip-till in the same field. He believes cover crops played a significant role.

"Once the rain quit, we sidedressed 150 pounds per acre anhydrous, sprayed for weeds, then the corn finally took off," he says. Total nitrogen applied was 400 pounds per acre. Other in-season treatments included fertigation of 28-0-5 at tassel, a half-rate of fungicide two weeks before tassel, and a second full-rate fungicide/miticide application about two weeks after tassel.

He gives props to the hybrid for enduring four hail events to still produce 380 bushels. "It stayed green, dried down slow and added strong test weights."

SUPERVISORS

Stephen Schumacher: Crop Consultant, SS Consulting
Ira Jordan Ward: Ag Loan Officer, Farmers & Stockmens Bank

Third Place

BRANDON CARDINAL

Oaktown, IN

344.6949 bu./acre

Hybrid: **AgriGold A646-30VT2RIB**

Harvest Population: 38,000

Harvester: **John Deere S780**

After a decade of state winners, southwest Indiana corn growers Brandon Cardinal and his brother Brooks finally won a national award. They chalk up much of their success to patience before planting and lighter than normal disease pressure.

"We're pretty adamant about perfect planting conditions, so we'll wait until early May to achieve that optimum uniform stand," Cardinal says. A June dry spell did stress the crop, so they were surprised when this AgriGold hybrid broke the 340-bushel barrier—a first for their farm.

Their fertility program starts with fall-applied dry phosphorus and potassium per soil tests, then use the planter to apply nitrogen in a 2x2 band. A sidedress around V3 to V4 follows that, then fertigation takes over.

These corn, soybean and watermelon farmers take cues from their vine crop that can help corn. As a premium crop, they follow a game plan with tissue testing and can afford to put more into products used on the melons.

One such practice that translates from vine crops to corn is fertigation, a critical practice that drives crop success. "We've brought some of that knowledge to the corn side, just not at similar rates we can afford on melons. And we're big believers in fungicides, applying twice in most corn crops unless disease drops off."

Cardinal hopes to continue this success by adding patience to their irrigation schedule, perhaps saving some input costs on irrigating early and saving it for later in the growing season.

SUPERVISORS

Gene Flanningam: Agronomist, Flanningam Ag Consulting
Dalton Sloan: Crop Consultant, Flanningam Ag Consulting

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/Harvester
G: NO-TILL IRRIGATED										
ALABAMA										
Spencer Sanderson Madison, AL	297.0193	AgriGold A645-16VT2PRO	VT2PRO	–	36100	–	–	–	225/0/0	John Deere 1775NT Claas Lexion 8600
Matt McMichen Centre, AL	283.4285	DEKALB DKC67-44	VT2P	Acceleron	32300	Bifenthrin 2EC	Atrazine 4L Laudis, Verdict Roundup PowerMax	Trivapro	200/0/0	John Deere 7300 John Deere 9770 STS
J Howard Hobbs Elkmont, AL	273.8004	DEKALB DKC63-87	VT2P	Roundup ready	50000	–	Atrazine Glyphosate	–	600/0/0	John Deere 1795 John Deere S780
ARKANSAS										
Aaron Garner Lake City, AR	295.5677	Dyna-Gro D57CC51	CONV	Acceleron	38000	Besiege, Holster Lambda-Cy	Atrazine 4L, Lexar Makaze, Medal II	Trivapro	284/80/130	John Deere 1725 CCS Stack-Fold John Deere S790
Blake Robertson Lake City, AR	288.3233	Dyna-Gro D57CC51	CONV	Acceleron	39000	Besiege, Holster Lambda-Cy	Atrazine 4L, Lexar Makaze, Medal II EC	Trivapro	280/94/145	John Deere 1725 CCS Stack-Fold John Deere S790
Len Nail Lake City, AR	285.3156	Dyna-Gro D57CC51	CONV	Acceleron	37500	Besiege, Holster Lambda-Cy	Atrazine 4L, Lexar Makaze, Medal II EC	Trivapro	280/40/70	John Deere 1725 CCS Stack-Fold John Deere S790
COLORADO										
Greg Lesh Atwood, CO	280.0979	Pioneer P0859AM™*	AM,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250+Votivo	38500	–	FulTime Roundup Status	–	225/15/0	Great Plains YP-2425A Case IH 7230
CONNECTICUT										
Keith Christadore Hampton, CT	264.0447	Channel 207-27STXRIB	SSRIB	–	33800	–	Atrazine Realm Q	Xyway	350/150/245	John Deere 1770NT John Deere S670
DELAWARE										
Kenneth Stevenson Milton, DE	322.8119	DEKALB DKC62-70RIB	VT2P	Acceleron	40000	Sniper	Buccaneer Harness Plus Princep 4L	–	200/0/0	Case IH 1255 Front-Fold Early Riser Case IH Axial Flow 7230
Justin Rider Milton, DE	314.6189	DEKALB DKC63-91RIB	VT2PRIB	Acceleron	40000	Sniper	Buccaneer Harness Plus Princep 4L	–	200/0/0	Case IH 1255 Front-Fold Early Riser Case IH Axial Flow 7230
Steve Yingling Bridgeville, DE	298.3679	DEKALB DKC67-94RIB	TRE	–	36000	–	–	–	200/50/250	Harvest International Ultra Plant Series 40, John Deere S680
FLORIDA										
Dusty Cone Jennings, FL	276.5388	AgriGold A6659VT2PRO	VT2PRO	Gaucho 250	35209	–	Atrazine 4L Glyphosate 4 Plus Prowl 3.3 EC	–	285/110/300	Monosem Twin Row John Deere 9750
Kim Bishop Marianna, FL	246.0084	AgriGold A6659VT2PRO	VT2PRO	Poncho 250	32000	Bifenthrin	Atrazine+Roundup Roundup, Valor	Trivapro	0/0/0	John Deere 1700 Twin Row John Deere S770
GEORGIA										
Jonathan Hitchcock Tennille, GA	319.5582	DEKALB DKC63-58	CONV	Acceleron+ Poncho 250	34884	Besiege	Atrazine 90 DF Laudis	Trivapro	250/100/250	John Deere 1725 CCS Stack-Fold John Deere S780
Stephen Wischmeier Brownstown, IL	278.8287	DEKALB DKC68-35	VT2P	–	35000	–	–	–	0/0/0	John Deere 1775 NT John Deere S670
IOWA										
Connor Garrett Arion, IA	320.6698	Pioneer P1170AM™	AM,LL,RR2	–	37500	–	Atrazine 4L Atrazine+Impact Roundup, Staunch	–	200/80/50	John Deere 1770 NT CCS John Deere S780
Colby Winter Lake City, IA	307.0899	Pioneer P1366Q™	Q,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250+Votivo	34000	–	Anthem MAXX, Callisto Gly Star, Liberty, Verdict	–	75/0/0	John Deere 1775 NT John Deere S780
Jordan Folkerts Inwood, IA	252.2074	Pioneer P1027AM™	AM,LL,RR2	LumiGEN™ 2020 Premium	34000	Bifenthrin 2EC	Durango DMA Keystone LA Resicore	Approach Approach Prima	200/0/0	John Deere 1770 NT CCS John Deere 9560 STS
IDAHO										
Loren McIntyre Marsing, ID	303.6667	Pioneer P1185	Conventional	–	37000	–	Atrazine+Roundup Status	–	208/30/40	John Deere 1720 MaxEmerge XP Gleaner S67
ILLINOIS										
Dan Luepkes Chana, IL	319.8027	AgriGold A641-85STXRIB	STXRIB	Acceleron+ Poncho 250	36200	–	Acuron	–	280/80/120	John Deere 1775 Flex John Deere S780
Melissa Yocum Oregon, IL	307.9931	AgriGold A6499STXRIB	STXRIB	Acceleron+ Poncho 250	35000	–	Acuron	–	280/80/120	John Deere 1775 Flex John Deere S780

Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/Harvester
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G: NO-TILL IRRIGATED

Chase Sailer Carmi, IL	275.5858	Pioneer P1718AML™	AML,LL,RR2	–	33000	–	–	–	240/80/120	John Deere 1795 John Deere S790
INDIANA										
Brandon Cardinal Oaktown, IN	344.6949	AgriGold A646-30VT2RIB	VT2RIB	Poncho 500	38000	–	–	–	265/150/160	John Deere 1775NT John Deere S780
Kix Cardinal Oaktown, IN	321.3181	AgriGold A647-79VT2RIB	VT2RIB	Poncho 500	38000	–	–	–	250/150/150	John Deere 1775NT John Deere S780
Albert Oconnor Columbus, IN	319.7276	DEKALB DKC68-35RIB	VT2PRIB	Acceleron+ Poncho 500	34000	Delta Gold	Zidua	Veltyrna	275/150/225	Harvest International SB4030 John Deere S780
KANSAS										
Kelby Ross Plains, KS	301.7986	AgVenture AV8614AM™	AM	–	33750	–	FulTime Roundup RT3	–	275/50/50	Planterworx Custom John Deere X9
Tyler Peterson Minneapolis, KS	293.0755	Pioneer P1718AML™	AML,LL,RR2	LumiGEN™ 2020 Premium	31500	–	Atrazine, Buccaneer 5 Resicore, Status, Verdict	–	360/82/60	John Deere 1775 NT John Deere S780
Jalen Jagels Garden City, KS	284.6954	Pioneer P1370Q™	Q,LL,RR2	LumiGEN™ 2020 Premium	23000	–	–	–	240/0/0	John Deere 1770 NT CCS New Holland CR8090
KENTUCKY										
Drew Langley Glendale, KY	311.4568	DEKALB DKC68-35RIB	VT2PRIB	–	30000	–	–	–	200/50/60	John Deere 1770 Case IH 2388
Summer Langley Glendale, KY	290.5968	Pioneer P1718AML™	AML,LL,RR2	LumiGEN™ 2020 Premium	30000	–	Degree Xtra Roundup	–	200/50/60	John Deere 1770NT Case IH 2388
Mitch Paschall Murray, KY	290.4011	DEKALB DKC66-18	VT2P	Ascend Accolade Seed+	36000	–	Atrazine 90 DF Laudis Roundup PowerMax	–	340/140/300	John Deere 1700 MaxEmergePlus Vacuum Case IH Axial Flow 2577
MASSACHUSETTS										
Gene Kosinski Westfield, MA	309.0540	Channel 203-70TRERIB	Trecepta RIB	Acceleron+ Poncho 250	39000	–	Anthem MAXX Atrazine 4L, Makaze	–	290/60/140	Kinze 2500 John Deere S670
MARYLAND										
Bruce Bartz Denton, MD	317.8885	DEKALB DKC63-91RIB	VT2PRIB	–	36000	–	–	–	285/150/300	Kinze 3600 John Deere 9870 STS
Christopher Davis Galena, MD	305.8717	Pioneer P14830AML	AML,LL,RR2	Cruiser 250	36000	–	–	–	250/50/60	Kinze 3660 Case IH 8250
Dan Dulin Queen Anne, MD	266.8016	Pioneer P0953AM™	AM,LL,RR2	–	34000	–	–	–	240/50/140	John Deere 1770 Front-Fold MaxEmerge Plus Drawn Conservation John Deere S670
MAINE										
Matthew Blodget New Gloucester, ME	220.0430	Channel 189-64STXRIB	SSRib	Acceleron+ Poncho 250	37000	–	–	–	195/0/200	John Deere 1770 Conservation John Deere 9510
MICHIGAN										
Scott McKeown Middleville, MI	306.1442	Pioneer P0953AM™	AM,LL,RR2	LumiGEN™ 2020 Premium	33000	–	Acuron Atrazine 4F	–	200/20/180	John Deere 1775 NT John Deere S660
Brian McKeown Middleville, MI	285.6998	Dyna-Gro D45TC55RIB	TRE	Poncho 250	36000	–	Acuron Flexi	–	285/0/0	John Deere 1775 NT John Deere S660
Jeff Stuck Marcellus, MI	283.9881	DEKALB DKC56-26RIB	TRERIB	Acceleron	38000	–	Halex GT	–	250/25/175	John Deere 1760 John Deere S680
MINNESOTA										
Janneke Sobek Winona, MN	292.3948	DEKALB DKC59-82RIB	VT2PRIB	Acceleron	37500	–	Aatrex Glyphosate Resicore	–	180/48/160	Kinze 3600 Case IH 5088
MISSOURI										
Brett Jansen Oran, MO	282.9220	DEKALB DKC69-99RIB	TRERIB	–	35500	–	–	–	350/200/200	John Deere 1790 CCS Claas Lexion 750
Garrett Jansen Oran, MO	281.9745	DEKALB DKC69-99RIB	TRERIB	–	35500	–	–	–	350/200/200	John Deere 1790 CCS Claas Lexion 750
MISSISSIPPI										
Preston Arrington Inverness, MS	266.5042	DEKALB DKC70-45	VT2P	–	31000	–	Halex GT	Trivapro	235/0/0	John Deere 1700 MaxEmerge XP John Deere S770
Philip Good Macon, MS	214.6728	DEKALB DKC65-93	RR2	Poncho 250	32000	–	Atrazine, Capreno Roundup PowerMax	–	240/0/0	John Deere 1725 Integral Stack-Fold, John Deere S770

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
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G: NO-TILL IRRIGATED

MONTANA										
Darren Miller Billings, MT	272.9970	DEKALB DKC43-75RIB	VT2PRIB	Acceleron	36000	-	Acuron	-	423/77/50	John Deere 7300 MaxEmerge 2 John Deere 9650 STS
Adam Vogel Ballantine, MT	238.4101	Pioneer P9301Q™	Q,LL,RR2	-	38000	-	-	-	0/0/0	John Deere 1720 CCS Stack-Fold John Deere S670
NORTH CAROLINA										
BJ Roberts Browns Summit, NC	275.4360	Pioneer P1718AML™	AML,LL,RR2	Poncho 1250+ VOTIVO	36000	-	Anthem MAXX, Atrazine Resource, Warrant	Trivapro Veltyma	350/52/100	Kinze 2000 John Deere 9670 STS
CE Manning Pantego, NC	269.9401	DEKALB DKC66-06	TRE	Poncho 1250+ VOTIVO	36000	-	2,4-D+Roundup	-	205/60/60	John Deere 1775NT John Deere S780
Felton Outland Sunbury, NC	269.5234	DEKALB DKC68-35	VT2P	-	36000	-	-	-	230/37/80	John Deere 1720 John Deere S780
NORTH DAKOTA										
Cody Frauenberg Lamoure, ND	291.9407	DEKALB DKC45-74RIB	SSRIB	-	38000	-	-	-	300/125/225	John Deere DB66 Case IH 8250
Lance and Kemp MaKeeff Minot, ND	210.8430	Golden Harvest G82B12-AA	Agrisure Above	-	32000	-	-	-	150/80/20	Case IH 1265 New Holland CR9070
David Bergquist Turtle Lake, ND	209.6165	Golden Harvest G80Q01-V	Viptera 3220A	-	32000	-	-	-	200/60/0	John Deere 1770 Case IH 8010
NEBRASKA										
Dalton Peterson Bertrand, NE	316.9667	Pioneer P1170AM™	AM,LL,RR2	-	34000	-	FulTime Resicore	Delaro Complete -	0/0/0	John Deere DR16 John Deere X9
Ted Schrock Elm Creek, NE	315.7486	Pioneer P1718AML™	AML,LL,RR2	-	34000	-	-	-	200/0/0	John Deere 1770NT John Deere S780
Paul Kenney Amherst, NE	312.4037	Pioneer P1170AM™	AM,LL,RR2	-	33000	-	-	-	0/0/0	John Deere 1775NT John Deere S780
NEW JERSEY										
Matt Santini Phillipsburg, NJ	336.3721	Pioneer P0035AM™	AM,LL,RR2	-	38000	Calvary	Bicep Roundup PowerMax	Miravis	200/100/100	John Deere 1795 John Deere S760
Garrett Woolf Monroe Township, NJ	299.9249	Dyna-Gro D58VC65RIB	VT2P-RIB	-	36000	-	-	-	290/0/120	Kinze 3600 Case IH 2388
NEW MEXICO										
Kent Gordon Dalhart, TX	229.9377	Pioneer P1366Q™	Q,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250+Votivo	29000	-	-	-	300/60/0	John Deere 1770 NT CCS Case IH 8250
Lewis Pinto Farmington, NM	181.1729	Pioneer P0075AM™	AM,LL,RR2	AM	34000	-	-	-	190/75/0	John Deere DR24 John Deere S770
NEVADA										
James Wadsworth Fallon, NV	134.4716	Pioneer P0035AM™	AM,LL,RR2	-	36000	-	Cornerstone Plus	-	38/0/0	John Deere 7000 John Deere 9600
OHIO										
Luke Haerr Springfield, OH	314.7447	Pioneer P0953AM™	AM,LL,RR2	-	36500	-	-	-	311/0/100	Case IH 2150 Early Riser Front Fold John Deere S780
Scott Haerr Springfield, OH	309.0258	Pioneer P0953AM™	AM,LL,RR2	Lumivia	35800	-	Callisto+ Roundup	Delaro Complete	290/0/100	Case IH 2150 Early Riser Front Fold John Deere S780
Jeff Kazin Hamilton, OH	285.6762	DEKALB DKC65-95RIB	VT2PRIB	Acceleron	32000	-	-	-	0/0/0	John Deere 1770 NT CCS John Deere S780
OKLAHOMA										
Richard Rathjen Clayton, NM	380.0762	Pioneer P1572AM™	AM,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250+Votivo	31000	-	-	-	300/40/40	John Deere 1770NT John Deere S680
Steve Sloan Gore, OK	273.3801	Pioneer P1847VYHR	AVBL,YGCB, HX1,LL,RR2	Amplify D+ Poncho 1250	32000	-	Resicore	Trivapro	240/0/0	John Deere 1770 NT CCS John Deere S780
PENNSYLVANIA										
Dawson Mast Morgantown, PA	299.1249	Pioneer P1136AM™	AM,LL,RR2	Poncho 250	35500	Warrior	Balance Flex Paraquat, Trizmet	-	280/40/183	John Deere 1745 John Deere 9870 STS
Darren Charles Lancaster, PA	289.1062	DEKALB DKC61-40RIB	SSRIB	Acceleron	34500	-	Brawl II ATZ Explorer, Halex GT Roundup PowerMax	Miravis	300/0/200	Case IH 2150 Early Riser Front Fold Case IH 9230

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
Steven Chapin Nescopeck, PA	273.1421	DEKALB DKC61-41RIB	VT2PRIB	—	35000	—	—	—	267/19/39	John Deere 1770NT John Deere S650
SOUTH CAROLINA										
Daniel Garrick Cope, SC	302.3938	DEKALB DKC63-91	VT2P	Amplify L+ Poncho 250	34000	Counter 20 G Permethrin Sniper	Atrazine Laudis, Salvo Roundup PowerMax	Trivapro	300/200/300	John Deere 1705 Case IH Axial Flow 7250
Daniel Garrick Cope, SC	290.5740	Pioneer P2042VYHR	AVBL,YGCB, HX1,LL	Amplify L+ Poncho 250	34500	Counter 20 G Permethrin Sniper	Atrazine Laudis, Salvo Roundup PowerMax	Trivapro	300/200/300	John Deere 1705 Case IH Axial Flow 7250
SOUTH DAKOTA										
Kory Standy Platte, SD	314.4310	DEKALB DKC62-89RIB	TRE	—	36000	—	Harness Xtra	—	260/60/18	John Deere 1775 NT Case IH 8250
Tom Arens Yankton, SD	261.6204	Pioneer P0924Q™	Q,LL,RR2	LumiGEN™ 2020 Premium	32000	—	Atrazine 4L Buccaneer+Glyphosate Resicore, Status	—	280/60/50	Case IH 1250 Front-Fold Early Riser Case IH 8250
Dwight Brenner Armour, SD	260.7322	Pioneer P0688AM™*	AM,LL,RR2	—	31500	—	—	—	220/0/0	John Deere 1760 Conservation John Deere 9670 STS
TENNESSEE										
Seth Taylor Rives, TN	285.2114	DEKALB DKC68-35	VT2P	Acceleron+ Poncho 250	34000	—	Atrazine Lexar+Roundup	Trivapro	300/180/180	John Deere 1775NT John Deere S780
Jake Waterfield Sharon, TN	281.1733	LG Seeds LG67C07-VT2Pro	VT2Pro	Acceleron+P Poncho 250	37000	—	Mad Dog Rifle, Valor	—	330/0/0	Kinze 4705 John Deere S780
George McDonald Ridgleton, TN	265.7244	Beck's Hybrids 6414V2P	V2P	Escalate	31500	—	Atrazine, Leadoff Roundup, Status	—	305/100/150	Case IH 2150 Early Riser Front Fold Case IH Axial Flow 9250
TEXAS										
Randall Koehn Sunray, TX	283.7004	Pioneer P1828AM™	AM,LL,RR2	—	30000	—	—	—	260/60/0	John Deere 1700 MaxEmerge Vacuum, John Deere 9770 STS
UTAH										
Jayla Hanberg Randlett, UT	194.0744	DEKALB DKC49-72RIB	SSRIB	—	36000	—	—	—	0/0/0	John Deere 1775 NT John Deere S670
VIRGINIA										
Craig Hula Charles City, VA	590.0198	Pioneer P10811AM	AM,LL,RR2	Poncho 1250+ VOTIVO	45000	—	—	—	575/156/480	John Deere 1770NT John Deere S770
Robert Newcomb Hanover, VA	331.8989	Pioneer P1608AM™	AM,LL,RR2	Poncho 1250+ VOTIVO	36000	—	AAtrex+ Bicep	—	300/200/300	John Deere 1775NT Case IH 8240
John Davis Tappahannock, VA	321.3151	DEKALB DKC68-35RIB	VT2PRIB	Poncho 1250+ VOTIVO	32500	—	Halex GT	—	180/25/100	John Deere 1795 John Deere S780
WISCONSIN										
Ken & Gerard Kau Eagle, WI	298.8150	DEKALB DKC56-65RIB	SS	ACCELERON	34000	—	—	—	220/34/165	John Deere 1770 John Deere S780
BJ Turzinski Almond, WI	274.5290	Pioneer P0035AM™	AM,LL,RR2	—	35000	—	Atrazine Buccaneer, Prowl H2O	Veltyrna	0/0/0	John Deere 1720 Case IH Axial Flow 6130
John Ruzicka Bancroft, WI	267.6755	Golden Harvest G02K39-AA	Agrisure Above	Cruiser 500 + Vayantis	42000	—	—	—	187/30/150	John Deere 7200 Case IH 2188
WEST VIRGINIA										
Todd Widmyer Charles Town, WV	244.1953	Pioneer P1289AM™	AM,LL,RR2	—	34000	—	Lexar, Princep 4L Roundup PowerMax	—	200/100/100	John Deere 1770 Conservation Case IH 1660
Adam Long New Market, VA	235.2092	DEKALB DKC70-27RIB	VT2PRIB	—	33000	—	—	—	230/0/100	John Deere 1795 John Deere S770
WYOMING										
Rick Cook Lingle, WY	262.1999	Pioneer P0404AM™	AM,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250+Votivo	38000	—	Resolve+ Roundup	—	150/100/50	John Deere 1720 John Deere 9660 STS
Joe Umble Torrington, WY	233.1904	Channel 197-66VT2PRIB	VT2PRIB	—	33800	—	—	—	198/40/0	John Deere 1760 Conservation John Deere S780

First Place



DAVID HULA
Charles City, VA

623.8439 bu./acre

Hybrid: **Pioneer P14830VYHR**

Harvest Population: 48,700

Harvester: **John Deere S770**

SUPERVISORS

Joseph Slattery: Urban County Executive Director, USDA

Phil Hickman: Marketing Specialist, Virginia Department of Ag & Consumer Services

Having returned to Renwood Farms from several weeks of Total Acre meetings and winding down from a successful duck hunt with his son before Christmas, David Hula welcomed a holiday slow-down from a hectic schedule.

When Hula talks about his fifth world corn yield record, he speaks of a systems approach and checking boxes.

One-acre grid soil samples: check. Soil pH in line: check. Picking the right hybrid: check. Optimize planter for best emergence and singulation: check. Manage nutrients based on yield expectations throughout the season: check. Weekly tissue testing and scouting to feed and protect the crop: check.

As the only farmer to break the 600-bushel mark (2019, 2021 and 2023) in the corn yield contest, Hula knows he must feed the crop. He understands that every bushel of corn requires specific nutrients, yet it takes a balance of fertilizer and biological activity to accomplish such a task. While many would view his low CEC of 2.1 to 6.7 as a challenge, he believes it's a benefit.

To get enough yield to break 600 bushels, Hula strives for 10 bushels per acre per 1,000 seeds. He seeded a new **Pioneer P14830VYHR** hybrid at 48,700 plants per acre on May 5 in 30-inch rows. "We realized something was special after seeing the corn emerge, checking root growth and viewing the first tissue sample results," he says.

Their fertility program begins by banding nitrogen, phosphorus, potassium, sulfur, zinc and a phosphate

uptake enhancer with their Soil Warrior strip-till rig. On the planter, Hula applied a starter with heavy-duty deep placement of nitrogen, phosphorus, zinc, boron, sulfur, nutrient enhancers and biologicals.

One of Hula's most significant changes in the last seven or eight years is placing biological products with the seed. "We're seeing good results with ROI Biologicals' Relay product and Brandt's EnzUp Zn to get the corn off to a great start," he says.

Hula wants that first tissue sample to show strong phosphate levels because that usually means everything else is good. "My agronomist Paul Bodenstein and I strive to keep nutrient levels balanced. With our tissue sampling history spanning three decades, we understand the value of staying ahead of the plant's uptake curve," he says.

Overall, Hula was impressed with the hybrid's ability to support additional ears, stay green at 24 percent moisture and produce a 66.1 pound test weight. But mostly, he attributes his systems approach and God's blessings to achieve this record on a different farm from his previous records.

Basics Add Bushels

- Fast, uniform, healthy plant emergence.
- Keeping soil and plant nutrients balanced.
- Maintain wet soil without oxygen loss.

Second Place

ALEX HARRELL

Leesburg, GA

401.9412 bu./acre

Hybrid: **Dekalb DKC68-95**

Harvest Population: 40,000

Harvester: **John Deere S770**

SUPERVISORS

Gabe Brodgon: FFA Advisor, Sumter County High School

Richard Hosmer: Dawson District Conservationist, USDA

After just setting the world soybean yield record (206.7 bu./acre) in August, Harrell cracked the 400 bu./acre corn mark on a strip-till field to cap a great season.

"To begin with, we had good weather this year, including a big rain event in June. It was warm but not overly hot during pollination, plenty of sunshine and cool nights—a recipe for good crops," Harrell says.

A firm believer in cover crops for soil health and erosion control, this pivot-irrigated field had black oats, wheat, triticale and radishes seeded in the fall. Harrell terminates them with his spring burndown herbicide application before stripping and planting.

He chose a new DEKALB DKC68-95 hybrid based on their seed rep's recommendations. "They knew we wanted to push it, and at a 42,000 population under high yield management, it performed well," Harrell says.

His low CEC sandy soils with less than 1 percent organic matter requires attention to detail for top yields. This corn-on-corn field began with 4 tons chicken litter, followed by liquid fertilizer at planting and three Y-Drop applications.

An avid weekly tissue tester, Harrell pulls samples on Monday and adapts his drone spray schedule based on what the crop needs. "We foliar feed several times a season and make multiple applications of PGRs, fungicides and micronutrients, as we fight our biggest challenges from stink bugs and southern rust."

Third Place

RICHIE MALONE

Arion, IA

377.8088 bu./acre

Hybrid: **Pioneer P1170AM**

Harvest Population: 39,000

Harvester: **John Deere S780**

SUPERVISORS

Robb Dedman: Certified Crop Adviser, Ultimate Ag Consulting

Jessica Clarke: Denton Crop Insurance Agent, Farm Credit Horizon

Learning from mentors has always been a hallmark of the NCGA yield contest. Richie Malone is no exception, as he works with his neighbor Kelly Garrett, sharing expertise, equipment and agronomic advice.

This strip-till corn-on-corn field survived the drought thanks to subsurface drip irrigation and weekly soil and leaf sap testing to spoon-feed nutrients.

Malone was pleased with how **Pioneer P1170AM** responded to numerous inputs. Seeded at 39,000 plants per acre on May 1, the field received 195 pounds per acre of nitrogen—60 percent was applied anhydrous, 10 percent at planting and 30 percent through drip irrigation. In the fall, a soybean by-product Plant Food from Feed Energy is broadcast applied, providing phosphorus and sulfur nutrition.

Two liquid systems on the planter allow for 2x2 placement of Agroliquid nitrogen and sulfur products and Xyway fungicide. A custom blend of nine products are applied in-furrow including micronutrients, insecticide, PGR, humic and fulvic acids and several products that aid plant uptake and nutrient availability.

Malone and an agronomist strive to ensure the crop is never short of calcium, zinc and micronutrients. The weekly soil and leaf sap tests provide data on what's available in the soil and what the plant is taking up and drives what nutrients are added to the drip line.

A sidedress application occurs at R1, and a fungicide is flown on after tassel.

Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/Harvester
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H: STRIP-TILL, MINIMUM-TILL, MULCH-TILL, RIDGE-TILL IRRIGATED

ALABAMA										
Stuart Sanderson Madison, AL	309.7263	AgriGold A645-15 VT2PRO	VT2PRO		36100	-	-	-	325/0/0	John Deere 1775NT Claas Lexion 8600
Myron Johnson Headland, AL	257.2630	AgriGold A6659VT2PRO	VT2PRO	Poncho 250+Trilex	30000	-	-	-	200/60/120	John Deere 1700 MaxEmerge XP John Deere 9660 STS
ARKANSAS										
Bradley Wallace Monette, AR	272.7605	Dyna-Gro D57CC51	CONV		35000	-	-	-	0/0/0	John Deere 1720 MaxEmerge XP John Deere S680
Blake Goodman Corning, AR	269.9052	Pioneer P1718VYHR	AVBL,YGCB, HX1,LL,RR2		32000	-	Acuron Atrazine	Trivapro	300/0/0	John Deere 1725 CCS Stack-Fold John Deere S690
Tim Fisher Wynne, AR	252.6757	Pioneer P17052YHR	YGCB,HX1, LL,RR2	LumiGEN™ 2020 Premium	34000	-	-	-	350/120/120	John Deere 1720 Integral Stack-Fold, John Deere S670
CALIFORNIA										
Robert Sproat Live Oak, CA	258.0176	LG Seeds ES7514 VT2P	VT2PRO		36000	-	Laudis Roundup	-	245/200/215	Monosem NG Plus 4 Case IH Axial Flow 1680
COLORADO										
Tom Rusler Avondale, CO	316.9349	DEKALB DKC63-91RIB	VT2PRIB	Acceleron+ Poncho 250	32100	Comite II	Atrazine, Explorer Roundup PowerMax WideMatch	-	132/0/0	Case IH 1235 Stackbar Early Riser Case IH 7230
Harry Strohauser La Salle, CO	311.9571	Pioneer P1278Q™	Q,LL,RR2		36000	-	-	-	260/10/0	John Deere 1720 MaxEmerge XP John Deere 9770 STS
CONNECTICUT										
Jeffrey Lipton Somers, CT	263.0419	Channel 207-27STXRIB	SSRIB		33800	-	Atrazine Realm Q	Xyway	350/150/245	John Deere 1770NT John Deere S670
DELAWARE										
Mark Collins Laurel, DE	319.6919	DEKALB DKC63-91RIB	VT2PRIB	Poncho 250	35300	-	Bicep II, Roundup Warrior	-	355/45/300	Harvest International Ultra Plant Series 40 Case IH Axial Flow 7250
Cody Killen Milford, DE	309.8275	DEKALB DKC68-35RIB	VT2PRIB		34000	Lamcap Tombstone	2,4-D Salvo, Halex GT Atrazine 4L, Princep 4L Bicep II MAGNUM FC	Miravis	290/30/100	John Deere 1770 John Deere S780
C Greg Dempsey Dover, DE	308.1662	DEKALB DKC62-70RIB	VT2P		34000	-	Capreno	-	0/0/0	John Deere 1770NT John Deere S680
FLORIDA										
Ethan Cone Jennings, FL	271.2619	AgriGold A6659VT2PRO	VT2PRO	Poncho 250	34755	-	Atrazine 4L, Gly Star Plus Glyphosate 4 Plus Prowl 3.3 EC	-	290/95/400	Monosem Twin Row John Deere 9750
Shelby Brock Graceville, FL	260.6384	DEKALB DKC62-08	SS		35000	Bifenthrin 2EC	Atrazine 4L Roundup PowerMax	Trivapro	300/100/300	John Deere 1700 Integral Rigid Case IH Axial Flow 2388
Cooper Brock Graceville, FL	249.3700	Pioneer P1870R	RR2		32000	Bifenthrin 2EC	Atrazine 4L Roundup PowerMax	Trivapro	300/100/300	John Deere 1700 Integral Rigid Case IH 2388
GEORGIA										
Alex Harrell Leesburg, GA	401.9412	DEKALB DKC68-95	SS		40000	-	-	-	380/175/350	John Deere 1720 CCS John Deere S770
Russ Williams Arlington, GA	240.6624	Dyna-Gro D54SS74	SS-RIB		31250	-	-	-	290/90/190	John Deere 1700 MaxEmerge XP Case IH 5130
Will Foster Blakely, GA	221.7593	Dyna-Gro D54SS74	SS-RIB		31000	-	-	-	300/100/190	John Deere 1700 MaxEmerge XP Case IH 5130
IOWA										
Richie Malone Arion, IA	377.8088	Pioneer P1170AM™	AM,LL,RR2		39000	-	Atrazine 4L Atrazine+Impact Roundup, Staunch	-	200/80/50	John Deere 1770 NT CCS John Deere S780

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
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H: STRIP-TILL, MINIMUM-TILL, MULCH-TILL, RIDGE-TILL IRRIGATED

Mark Schleisman Lake City, IA	322.2434	Pioneer P1742Q™	Q,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250 +Votivo	34000	-	Anthem MAXX, Callisto Gly Star, Liberty, Verdict	-	75/0/0	John Deere 1775 NT John Deere S780
Amana Farms Amana, IA	303.6668	Pioneer P1457WAM™	AML,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250 +Votivo	32500	-	-	-	0/0/0	Case IH 2160 Case IH 8250
ILLINOIS										
David Luepkes Chana, IL	308.1858	AgriGold A643-52VT2RIB	VT2RIB	Acceleron	35500	-	Acuron	-	270/90/120	John Deere 1775 Flex John Deere S780
Greg McClure Saint Francisville, IL	307.0423	AgriGold A647-79VT2PRO	VT2PRO	Poncho 500	36000	-	-	-	0/0/0	Case IH 1250 Front-Fold Early Riser Case IH 8250
Chance Meyer Manito, IL	300.8473	Channel 218-44VT2PRIB	VT2P-RIB	-	36000	-	-	-	0/0/0	John Deere 1775NT John Deere S780
INDIANA										
Brooks Cardinal Oaktown, IN	339.5758	AgriGold A647-79VT2RIB	VT2RIB	Poncho 500	38000	-	-	-	265/180/200	John Deere 1775NT John Deere S780
Adam Motz Bourbon, IN	321.8615	Pioneer P1383AM™	AM,LL,RR2	LumiGEN™ 2020 Premium	42000	-	Atrazine Halex GT	-	300/150/200	John Deere 1770NT John Deere S780
Dave Smith Rochester, IN	318.2716	Pioneer P14830AML	AML,LL,RR2	Lumivia	35600	-	Halex Lumax	-	275/0/164	John Deere 1775NT John Deere X9
KANSAS										
Ryan Jagels Garden City, KS	321.4599	Pioneer P1828AM™	AM,LL,RR2	LumiGEN™ 2020 Premium	30000	-	-	-	280/0/0	John Deere 1720 Stack-Fold MaxEmerge Plus New Holland CR7.90
Faye Cyr Clyde, KS	305.8436	DEKALB DKC70-27RIB	VT2PRIB	Acceleron	32000	-	Anthem MAXX	Trivapro	250/60/25	John Deere 1795 John Deere S780
Jordan Hefner Sublette, KS	297.9740	Pioneer P1170AM™	AM,LL,RR2	-	32500	-	-	-	0/0/0	John Deere 1775 Flex John Deere S780
KENTUCKY										
Russel & Robert Schwenke Union, KY	304.2225	Pioneer P1359AM™	AM,LL,RR2	Poncho 250	31000	Capture LFR	AAtrex 4L, Verdict Armezon Pro	-	260/46/120	Kinze 3600 Case 6150
Joel Armistead Adairville, KY	299.6611	DEKALB DKC66-06RIB	TRERIB	Acceleron	32500	Bifenture	Acuron, Atrazine Dicamba Max 4, Leadoff Roundup PowerMax	Miravis	300/315/225	John Deere DB44 Case IH 7250
Brandon Hunt Oak Grove, KY	291.8714	DEKALB DKC68-35RIB	VT2PRIB	Acceleron	36000	-	Atrazine, Capreno Roundup PowerMax	Trivapro	310/150/100	Case IH 2150 Early Riser Front Fold Case IH Axial Flow 9250
LOUISIANA										
Erle Clark Mer Rouge, LA	263.2638	DEKALB DKC66-06	TRE	Apron Max+ Poncho 250	40000	-	Atrazine, Zidua Glyphosate	Azoxystrobin PropiMax EC	300/75/90	John Deere 1720 CCS Twin Row John Deere S680
Nolan Clark Mer Rouge, LA	258.0527	DEKALB DKC62-70	VT2P	Apron Max+ Poncho 250	40000	-	Atrazine, Zidua Glyphosate	Azoxystrobin PropiMax EC	300/75/90	John Deere 1720 CCS Twin Row John Deere S680
John Moroni Winnsboro, LA	252.6636	Dyna-Gro D54RR14	RR2	-	33000	-	-	-	250/60/80	John Deere 1720 MaxEmerge XP John Deere S670
MASSACHUSETTS										
Sarah Henry Westfield, MA	287.2153	Channel 206-16SSPRIB	SSPRIB	Acceleron+ Poncho 250	38000	-	Anthem MAXX Atrazine 4L, Roundup	-	250/70/170	John Deere 1770NT John Deere S670
MARYLAND										
Stanley Moore Sudlersville, MD	301.9870	Axis 64B28	VT2PRIB	Acceleron	33000	-	Atrazine 4L, Zidua Roundup PowerMax	Trivapro	250/150/180	John Deere 1770NT CCS ProXP Case IH 7120
Jessica Denny Queen Anne, MD	301.4874	DEKALB DKC70-45RIB	VT2PRIB	-	34000	-	-	-	250/0/0	Case IH 2150 Early Riser Front Fold Case IH 8250
Bei Denny Queen Anne, MD	300.0913	DEKALB DKC63-91RIB	VT2PRIB	-	34000	-	-	-	250/0/0	Case IH 2150 Early Riser Front Fold Case IH 8250

Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/Harvester
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H: STRIP-TILL, MINIMUM-TILL, MULCH-TILL, RIDGE-TILL IRRIGATED

MICHIGAN

T Jon Drozd Allegan, MI	324.9631	Pioneer P1506YHR	YGCB,HX1, LL,RR2	—	42000	—	Bicep II Magnum Callisto, Capreno	Veltyrna	320/110/150	John Deere 1775 NT John Deere S680
Nick Suwyn Wayland, MI	320.6790	AgriGold A639-70	STXRIB	Poncho 500	38400	—	Acuron Flexi	—	315/120/200	Case IH 1250 Front-Fold Early Riser Case IH 8250
Jacob Drozd Allegan, MI	315.2534	Pioneer P0953AM™	AM,LL,RR2	—	39000	—	Bicep II, Callisto Capreno	Veltyrna	280/30/90	John Deere 1775 NT John Deere S680

MINNESOTA

Joe Hopkins Buffalo, MN	324.6448	Pioneer P0953AM™	AM,LL,RR2	PPST 250	37000	—	Atrazine 4L Resicore	—	300/110/130	White 9816 Case IH 8120
Devin Hopkins Buffalo, MN	315.3399	Pioneer P00177V	V,LL,RR2,ENL	PPST 250	36800	—	DiFlexx Resicore	—	290/95/140	White 9816 Case IH 8120
Deanna Sobeck Winona, MN	278.6585	DEKALB DKC59-82RIB	VT2PRIB	Acceleron	38000	—	AAtrex, Glyphosate Resicore	—	180/48/120	Kinze 3600 Case IH Axial-Flow 5088

MISSOURI

Kip Cullers Purdy, MO	313.1482	DEKALB DKC70-45RIB	VT2PRIB	Acceleron	50000	—	—	—	200/0/0	John Deere 1775NT John Deere S780
Andrew Hulshof Oran, MO	304.0458	AgriGold A647-42TRC	TRC	Poncho 500	35000	—	Lexar	—	340/80/100	John Deere 1720 Stack-Fold MaxEmerge Plus John Deere S790
Paul Pattridge Falcon, MO	300.1300	DEKALB DKC67-44RIB	VT2PRIB	Acceleron	44000	Besiege	Buccaneer Plus Halex GT	Trivapro	360/119/440	Kinze 2000 John Deere 9510

MISSISSIPPI

Carol Hunter Glen Allan, MS	258.3756	Pioneer P1511YHR	YGCB,HX1, LL,RR2	Cruiser 250	36000	—	Armezon Pro Atrazine DF Roundup PowerMax	Veltyrna	240/120/200	John Deere 1720 John Deere X9
Scott Hunter Glen Allan, MS	251.6000	Pioneer P1870R	RR2	Cruiser 250	34000	—	Armezon Pro Atrazine DF Roundup PowerMax	Veltyrna	230/120/200	John Deere 1720 John Deere X9
Betsy Belk Greenwood, MS	233.1873	Revere Seed 1627 TC	Trecepta	—	35000	—	Atra-V 4L Halex GT	—	250/30/30	John Deere 1720 Integral Stack-Fold, John Deere S780

MONTANA

Jason Watson Hardin, MT	309.7476	Pioneer P9193AM™	AM,LL,RR2	—	38000	—	—	—	260/100/20	John Deere 1720 Integral Stack-Fold, John Deere S670
Ernie Icopini Hysham, MT	273.0768	Pioneer P9193AM™	AM,LL,RR2	LumiGEN™ 2020 Premium	38000	—	DiFlexx, Outlook Roundup RT3, Verdict Roundup UltraMax	—	243/100/120	Monosem NG Plus Case IH 9230
Bart Icopini Hysham, MT	266.0657	Pioneer P9489Q™	Q,LL,RR2	LumiGEN™ 2020 Premium	38000	—	DiFlexx, Outlook Roundup RT3, Verdict Roundup UltraMax	—	243/100/120	Monosem NG Plus Case IH 9230

NORTH CAROLINA

Kevin Matthews East Bend, NC	286.6037	Pioneer P1903YHR	YGCB,HX1, LL,RR2	Invigor8+	34000	—	Atrazine 4L, Clarity Resolve Q+Roundup Roundup PowerMax	Veltyrna	250/110/200	John Deere DB44 John Deere S690
John Sykes Conway, NC	277.0901	Dyna-Gro D58VC65	VT2P	Poncho 250	39000	—	—	—	275/100/275	Case IH 1200 Case IH 8240
Luther Moore Maxton, NC	246.7046	Revere Seed 1307 TCRIB	Trecepta Rib	—	28000	—	—	—	0/0/0	John Deere 1720 John Deere 9760 STS

NORTH DAKOTA

Jim Frauenberg LaMoure, ND	295.8767	DEKALB DKC47-85RIB	SSRIB	—	38000	—	—	—	300/125/225	John Deere DB66 Case IH 8250
Scott Wettstein Lidgerwood, ND	293.6733	DEKALB DKC50-88RIB	VT2P	—	36000	—	Laudis, Verdict Roundup PowerMax	—	240/48/34	John Deere 1770 NT CCS John Deere S680

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
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H: STRIP-TILL, MINIMUM-TILL, MULCH-TILL, RIDGE-TILL IRRIGATED

Rudy Dotzenrod Wyndmere, ND	288.2736	LG Seeds LG51C62-VT2PRIB	VT2PRIB	Agrishield	35700	–	Atrazine 4L, Clarity Harness, Laudis Roundup PowerMax	–	0/0/0	Fendt Momentum FTPM24-30 John Deere S680
NEBRASKA										
Nicholas Jerabek Farwell, NE	357.1558	DEKALB DK062-89RIB	TRE	–	34500	–	–	–	263/46/0	John Deere 1720 CCS Stack-Fold Case IH 6130
Christopher McDonald Phillips, NE	332.4029	Pioneer P1742Q™	Q,LL,RR2	–	34500	–	–	–	230/0/0	John Deere 1725 CCS Stack-Fold John Deere S660
Ashton Peterson Bertrand, NE	328.8325	Pioneer P1563AML™	AML,LL,RR2	–	34000	–	FulTime Resicore	Delaro Complete	0/0/0	John Deere DR16 John Deere X9
NEW JERSEY										
Michelle Santini Phillipsburg, NJ	328.1541	Pioneer P0035AM™	AM,LL,RR2	–	38000	Calvary	Bicep Roundup PowerMax	Miravis	200/100/100	John Deere 1795 John Deere S760
Carly Barlieb Stewartsville, NJ	302.0506	DEKALB DKC111-35RIB	VT2PRIB	Acceleron	35000	Ethos XB	Acuron	–	300/100/100	John Deere 1780 John Deere S760
NEW MEXICO										
JR Mason Dalhart, TX	255.6346	Pioneer P1370Q™	Q,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250+Votivo	30000	–	–	–	275/60/25	John Deere 1770 NT CCS John Deere S670
Enden Harry Farmington, NM	200.3130	Channel 203-83STXRIB	SSRib	Acceleron	34000	–	–	–	255/40/50	John Deere 1710 Vertical-Fold John Deere S680
NEW YORK										
Thomas Jeffers Wyoming, NY	277.1476	Pioneer P0947Q™	Q,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250+Votivo	34000	–	–	–	172/56/90	Case IH 2150 Early Riser Front Fold Case IH 8230
Logan Beck Palatine Bridge, NY	260.0648	DEKALB DKC105-35RIB	VT2PRIB	Acceleron	36000	–	Atrazine, Capreno Roundup PowerMax	–	200/60/60	Case IH 2150 Early Riser Front Fold Case IH 8250
OHIO										
Justin Haerr Springfield, OH	298.9246	Pioneer P1587Q™	Q,LL,RR2	Lumivia	34400	–	Corvus	Delaro Complete	273/145/150	Case IH 2150 Early Riser Front Fold John Deere S780
John Isler Prospect, OH	261.5090	Channel 210-79DGV2PRIB	DG-VT2PRIB	–	35000	–	–	–	0/0/0	Case IH 2150 Early Riser Front Fold Case IH 7240
David Isler Prospect, OH	260.2802	AgriGold A642-05VT2RIBD1	VT2RIBD1	Acceleron+ Poncho 250	36700	–	–	–	0/0/0	Case IH 2150 Early Riser Front Fold Case IH 8120
OKLAHOMA										
Austin Sage Texline, TX	317.2047	Pioneer P1366AML™	AML,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250+Votivo	32000	–	–	–	300/60/60	John Deere 1770 NT CCS John Deere S780
Kenny Rathjen Clayton, NM	308.4413	Pioneer P1828Q™	Q,LL,RR2	–	31000	–	–	–	310/60/45	John Deere 1770 NT CCS John Deere S670
Nelson Rentz Guymon, OK	291.8369	Pioneer P1359AM™	AM,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250+Votivo	32000	–	–	–	0/0/0	John Deere 1725 CCS Stack-Fold John Deere S660
OREGON										
Kristen Corpus Irrigon, OR	295.6783	Pioneer P0953AM™	AM,LL,RR2	–	39000	–	Gramoxone SL, Zidua Roundup PowerMax	–	300/42/0	John Deere 7340 John Deere S780
Dean Harris Umatilla, OR	283.7710	Pioneer P0720AM™	AM,LL,RR2	–	38000	–	Aim EC, Gly Star Outlook	–	305/25/50	John Deere 1700 MaxEmergePlus Vacuum John Deere S670
PENNSYLVANIA										
Tracy Scipioni Newmanstown, PA	273.9471	Pioneer P1608AM™	AM,LL,RR2	–	32000	–	–	–	250/0/45	John Deere 1750 MaxEmerge Plus Vacuum, Gleaner R52
Gavin Mast Morgantown, PA	256.1667	Pioneer P0924Q™	Q,LL,RR2	Poncho 250	35500	Capture LFR Warrior	Balance Flexx Paraquat, Trizmet	XywayLFR	280/40/183	John Deere 1745 John Deere 9870 STS
SOUTH CAROLINA										
Russ Jameson Orangeburg, SC	305.2250	DEKALB DKC68-35	VT2P	Amplify L+ Poncho 250	35000	Counter 20 G	Atrazine Roundup PowerMax	–	225/0/125	John Deere 1705 Case IH 7140
Ray Jameson Orangeburg, SC	305.1579	DEKALB DKC70-27	VT2P	Amplify L+ Poncho 250	36000	Counter 20 G	Atrazine Roundup PowerMax	–	275/0/125	John Deere 1705 Case IH 7140
Tate Jameson Orangeburg, SC	289.9216	DEKALB DKC63-91	VT2P	Amplify L+ Poncho 250	36000	Counter 20 G	Atrazine Roundup PowerMax	–	275/0/125	John Deere 1705 Case IH 7140

Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
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H: STRIP-TILL, MINIMUM-TILL, MULCH-TILL, RIDGE-TILL IRRIGATED

SOUTH DAKOTA

Tyler Poeschl Yankton, SD	306.4689	Pioneer P14830Q	Q,LL,RR2	LumiGEN™ 2020 Premium	34000	–	Atrazine, Bellum Durango DMA, Resicore	Quit Xcel	300/100/100	John Deere 1775 NT John Deere S780
Nicholas Olson Vermillion, SD	294.0791	DEKALB DKC59-82RIB	VT2PRIB	–	34000	–	–	–	230/203/113	John Deere 1770 NT CCS John Deere S670
John Yaggie Yankton, SD	269.3821	Pioneer P1366AM™	AM,LL,RR2	LumiGEN™ 2020 Premium	32000	–	Callisto+Roundup Keystone LA	–	250/80/80	John Deere 7000 Conservation John Deere 9500

TENNESSEE

Hunter Hooper Brownsville, TN	310.5713	DEKALB DKC68-35	VT2P	Poncho 500	36000	Lambda	Atrazine, Clethodim 2E Dicamba, Halex GT Roundup PowerMax	Trivapro	325/70/120	John Deere 1795 John Deere S780
Paul Wengerd Paris, TN	273.5975	Dyna-Gro D55VC80RIB	VT2P-RIB	–	40000	–	–	–	270/100/320	White 9900VE John Deere S790

TEXAS

Brett Britten Groom, TX	306.6193	Pioneer P1828AM™	AM,LL,RR2	–	32000	–	Atrazine 4L Corvus	–	362/108/0	John Deere 1775 NT John Deere S780
Branston Adams Happy, TX	221.7588	LG Seeds LG66C44-STXRIB	STXRIB	Accelaron+ Poncho 500+ VOTIVO	44000	–	2,4-D LV6 Bicep Lite II Magnum Paraquat, Pixxaro, Roundup	–	0/0/0	Case IH 1230 Stackbar Early Riser Case IH 7240

UTAH

Jeremy Hansen Garland, UT	270.3656	DEKALB DKC59-81RIB	SSRIB	–	33500	–	Generic Roundup	–	350/50/0	Case IH 1200 Case IH 7230
Joseph Summers Tremonton, UT	238.5279	DEKALB DKC49-72RIB	SSRIB	–	33500	–	–	–	300/50/0	John Deere 1700 MaxEmerge XP John Deere S780
Lee Summers Tremonton, UT	230.2455	DEKALB DKC49-72RIB	SSRIB	–	33000	–	–	–	300/50/0	John Deere 1700 MaxEmerge XP John Deere S780

VIRGINIA

David Hula Charles City, VA	623.8439	Pioneer P14830VYHR	AVBL,YGCB, HX1,LL,RR2	Poncho 1250 +VOTIVO	48700	–	–	–	575/156/480	John Deere 1770NT John Deere S770
Cindy Newcomb Hanover, VA	316.8202	Pioneer P1136AM™	AM,LL,RR2	Poncho 1250 +VOTIVO	34000	–	AAtrex+Bicep	–	300/200/300	John Deere 1775NT Case IH 8250
Joseph Stephenson Wakefield, VA	299.6908	DEKALB DKC68-35	VT2P	Accelaron+ Poncho 250	42000	–	Halex GT	–	330/100/180	John Deere 1720 Stack-Fold MaxEmerge Plus, Case IH 8240

WASHINGTON

Chris Gross Reardan, WA	291.6850	DEKALB DKC42-05RIB	VT2PRIB	Accelaron+ Poncho 250	39200	–	–	–	0/0/0	Case IH 2130 Case IH 8250
Charles Gross Reardan, WA	274.2323	DEKALB DKC42-04RIB	SSRIB	Accelaron+ Poncho 250	39200	–	–	–	0/0/0	Case IH 2130 Case IH 8250

WISCONSIN

Mark Bacon Hancock, WI	316.1546	DEKALB DKC52-99RIB	TRECEPTA	Accelaron	33540	–	Charger Max, Credit Extra Roundup PowerMax	–	272/48/121	John Deere 1725 CCS Stack-Fold John Deere S780
Trip Downing Whitewater, WI	284.8866	Pioneer P0529Q™	Q,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250+Votivo	35000	–	Glyphosate	–	190/37/128	John Deere 1770 NT CCS Case IH Axial Flow 9250
Dave Luck Prairie Du Sac, WI	251.1056	Golden Harvest G00A97-AA	Agrisure Above	Cruiser 500 & Vayantis	35800	–	–	–	180/100/70	John Deere 7000 Case IH Axial Flow 5140

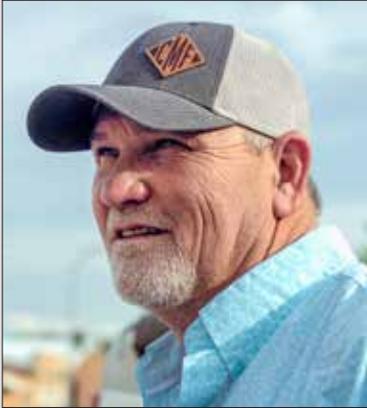
WEST VIRGINIA

Grant Smith Keyser, WV	336.2451	Pioneer P1136AM™	AM,LL,RR2	LumiGEN™ 2020 Premium	38000	Ethos XB	2,4-D, AAtrex Acuron, Mad Dog	–	296/71/352	John Deere 1775NT John Deere S670
Ann Widmyer Charles Town, WV	257.1628	Pioneer P1506AM™	AM,LL,RR2	–	34000	–	Lexar Princep 4L Roundup PowerMax	–	200/100/100	John Deere 1770 Conservation Case IH 1660

WYOMING

Joe Speckner Lingle, WY	296.4538	Pioneer P0339Q™	Q,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250+Votivo	36000	–	Resicore	–	0/0/0	John Deere 1720 Case IH 8010
Chris Cook Lingle, WY	254.6817	Pioneer P9540AM™	AM,LL,RR2	–	33000	–	Roundup Verdict	–	200/50/20	Case IH 1235 Stackbar Early Riser Case IH 8010
Robert Cook Lingle, WY	247.0843	Pioneer P9551Q™	Q,LL,RR2	–	32000	–	Roundup Verdict	–	200/50/20	Case IH 1235 Stackbar Early Riser Case IH 8010

First Place



TEMPLE RHODES

Centerville, MD

375.6769 bu./acre

DEKALB DKC63-91RIB

Harvest Population: 38,500

Harvester: John Deere S680

SUPERVISORS

Emily Walbert: Crop Insurance Agent, Horizon Farm Credit

Robb Dedman: CCA, Ultimate Ag Consulting

Temple Rhodes, now with a second year under his belt in the yield contest, clinched a first place with a yield of almost 376 bu./acre. “I switched from strip-till irrigated to conventional irrigated, but I planted on the same farm, same field and same rotation, and got a 30 bushel yield bump,” he says.

Rhodes farms in the Chesapeake Bay watershed on low organic, sandy soils. “Water can drain away from a crop quickly and fertilizer we apply could affect the watershed. So, we’re required to have a detailed nutrient management plan to stay in compliance.”

“We found that we needed to fine-tune our input timing,” he says. “For example, we looked closely at trials using GDUs from 1,800 to 2,400 and found more and better times to make applications.”

DEKALB DKC63-91RIB again was his hybrid of choice. He used the same fertility as 2022 but fed plants more frequently to give them a “kick in the pants.”

On contest—and across all acres—he applied 270 pounds nitrogen, 45 to 52 pounds phosphorus and 120 to 150 pounds potassium per acre. “I’ve learned that 75 percent of a corn plant’s phosphorus needs are in the reproductive stage, so I moved applying it from earlier to later, near black layer, for an extra yield bump.”

Rhodes strives for quick emergence. A John Deere 1795 16-row planter provides 2x2 in-furrow for fertility. He adds Delaro Complete fungicide at planting and again

at V4, V8 and after brown silk to keep plants healthy.

He applies fungicide with a Hagie sprayer rather than through fertigation to ensure product stays on leaves. “Our trials show using fungicide is getting us about .25 bushels per acre more yield,” he says. “I try to make every acre, every ounce and every dollar count.”

He applies Corvus plus Capreno and Atrazine herbicides pre-emerge. Insecticide also is applied in-furrow and at every trip through the field because “at \$2 per acre it’s a cheap insurance program,” he says. Stinkbugs, cutworms and grubs top the list of pests to control.

The growing season started out cool and dry until July when it warmed up and started raining. “Until V7 to V8 we hardly had any rain,” he says. “We also worried about how the Canadian fire smoke would affect us, but we ended up with the best irrigated crop ever.”

By August, soils dried out for a smooth harvest with his John Deere S680. “We usually have wind and lodging issues being in Hurricane Alley, but not this year.”

Basics Add Bushels

- Fine-tune application times.
- Boost plant health with multiple fungicide applications.
- Learn from others in the NCGA yield contest.

Second Place

JR NEWCOMB

Hanover, VA

366.2601 bu./acre

DEKALB DKC68-35RIB

Population: 36,000

Harvester: CaseIH 8240

SUPERVISORS

Brian Wooden, Jr.: District Conservationist, USDA

Kenneth Upshaw: Retired CED, Farm Service Agency

Dating back to 1981, JR Newcomb’s family has been entering the corn yield contest—and once JR turned 14, he was all about keeping the tradition alive. Now, 14 years later, he says he’s “blown away” by his national second-place win.

“Since my dad (Robbie) and I are under irrigation, we have the opportunity to try more things,” he says. “If we see a big difference, we’ll try it on our other acres.”

Newcomb has a variety of soil types, but the contest acres were on river bottom land. He not only relies on his seed dealer for hybrid selections, but also from his on-farm test plots.

He uses a John Deere 1775 NT planter that automatically adjusts down pressure based on seed depth of 2 to 2½ inches. He says planting conditions were ideal.

Soil tests are the basis for Newcomb’s fertility program. At planting, he uses a 60-30-0-6.5 starter and potash up front. Then, soil tests continue on contest acres throughout the growing season. Nitrogen is sidedressed over-the-top at V4 to V5.

A wheat cover crop, standard for the last 10 years, gets a burndown in March with Bicep, Princep, Gramoxone and 2,4-D. At V3, he comes back with Halex GT and Atrazine. Miravis Neo fungicide is applied at V6 and tassel.

“Cover crops help with yields and erosion,” he says. “Being in the Chesapeake Bay watershed, we need to be good stewards of our land.” Harvest conditions for Newcomb were good.

Third Place

NAAMAN CULLERS

Purdy, MO

363.5226 bu./acre

DEKALB DKC68-35RIB

Harvest Population: 50,000

Harvester: John Deere S780

SUPERVISORS

Paige Palmer: Ag Insurance Agent, Country Agency

Elizabeth Scott: Ag Insurance Agent, Country Agency

In his maiden voyage into the yield contest, Naaman Cullers garnered a third place with a yield of 363 bu./acre. “I guess you’d say my dad (Kip) inspired me to get involved,” he says.

“We use data from DEKALB, Pioneer and our own on-farm test plots to determine what hybrids to go with, and we decided on a new one, DEKALB DKC68-35RIB, for the contest,” Cullers says.

Soil moisture was good at planting, but then hot days—some at 110 degrees—set in by early June. The pivot was running every day.

Cullers spreads 2 tons per acre of chicken litter from the family’s 80,000 layer hens, which equals about 40 units of nitrogen, phosphorus and potassium. “We even buy additional litter at \$20 per ton or \$40 per acre,” he adds. The litter accounts for about 45 percent of fertilizer costs. An additional 200 units of nitrogen runs through the pivot starting at V6 through tassel.

“We focus a lot on biologicals and apply Biovante three times by sprayer and three times by airplane,” he says. “It improves our plant health and yields.” Tissue samples are taken twice during the growing season and help determine application timing. Total cost for biologicals runs \$30 per acre. Fungicides and biologicals are sprayed at the same time.

“Harvest conditions were tough because we had two 80 mph winds that laid the corn over. It might have cost us as much as 75 bu./acre,” says Cullers.

Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/Harvester
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I: CONVENTIONAL IRRIGATED

ALABAMA

Chad Henderson Madison, AL	310.7469	AgriGold A643-52VT2	VT2	–	36100	–	–	–	325/0/0	John Deere 1775NT Claas Lexion 8600
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ARKANSAS

Matt Miles McGehee, AR	311.4857	DEKALB DKC65-99	TRE	Acceleron+ Poncho 250	33000	–	Halex GT	Trivapro	240/60/133	Monosem NG Plus 4 John Deere S780
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Layne Miles McGehee, AR	301.4163	DEKALB DKC65-99	TRE	Acceleron+ Poncho 250	32500	–	Capreno	Trivapro	240/75/133	Monosem NG Plus 4 John Deere S780
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Scott Young Portland, AR	299.1975	DEKALB DKC68-35	VT2P	Standard 500	37500	–	Atrazine Halex GT	–	275/60/90	John Deere 1720 CCS John Deere S770
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CALIFORNIA

Tom Roduner Merced, CA	259.9507	Pioneer P1718AML™	AML,LL,RR2	Lumivia	34000	Onager	–	–	200/0/0	John Deere 7300 MaxEmerge 2 Case IH 8010
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DELAWARE

Michael Wicks Middletown, DE	312.1148	Dyna-Gro D54VC34RIB	VT2P-RIB	–	38000	–	–	–	275/20/80	Case IH 2130 John Deere 9560 STS
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Greg Dempsey Dover, DE	303.6450	Pioneer P1718AML™	AML,LL,RR2	–	35000	–	Capreno	–	0/0/0	John Deere 1770NT John Deere S680
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Dylan Lynch Milford, DE	277.0514	Dyna-Gro D53TC23	Trecepta	Poncho/ Votivo 500	34000	Lamcap	Lexar Simazine 4L	Miravis XywayLFR	350/50/180	John Deere 1795 John Deere S670
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FLORIDA

Gary Cone Jennings, FL	266.8681	AgriGold A6659VT2PRO	VT2PRO	Cruiser+Poncho 250	34800	–	Atrazine 4L Gly Star Plus Prowl 3.3 EC	–	265/90/265	Monosem Twin Row John Deere 9570
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Craig Bishop Marianna, FL	250.8201	AgriGold A6659VT2PRO	VT2PRO	Poncho 250	32000	Bifenthrin	Atrazine, Valor Roundup	Trivapro	0/0/0	John Deere 1700 Twin Row John Deere S770
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GEORGIA

Rodney Harrell Leesburg, GA	350.7243	Pioneer P1511AM™	AM,LL,RR2	–	40000	–	–	–	350/150/350	John Deere 1720 CCS John Deere S770
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James Hitchcock Tennille, GA	345.8526	DEKALB DKC63-58	CONV	Acceleron+ Poncho 250	39788	Besiege	Atrazine 90 DF Laudis	Trivapro	300/150/300	John Deere 1725 CCS Stack-Fold John Deere S780
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Kyle Odom Arlington, GA	272.0378	Dyna-Gro D58VC65	VT2P	–	31500	–	–	–	300/100/220	John Deere 1700 MaxEmerge XP John Deere 9670 STS
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IOWA

Kim Dummermuth Elgin, IA	315.4234	Pioneer P1027AM™	AM,LL,RR2	LumiGEN™ 2020 Premium	37000	Aztec	Glyphosate Resicore, Volley ATZ Lite	Approach Prima	310/0/105	John Deere 1770NT CCS ProXP John Deere 9560 STS
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Landon Schleisman Lytton, IA	307.5986	DEKALB DKC66-04RIB	SSRIB	Acceleron	34000	–	Anthem MAXX Callisto, Gly Star Liberty, Verdict	–	75/0/0	John Deere 1775 NT John Deere S780
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Dave & Dan Lanz Wapello, IA	307.3446	DEKALB DKC66-18RIB	VT2PRIB	–	34000	–	–	–	220/100/200	John Deere 1770 Case IH 8250
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IDAHO

Garrett Lott King Hill, ID	306.7091	Pioneer P0924Q™	Q,LL,RR2	–	42500	Onager	Prowl, Status Roundup PowerMax	–	184/51/0	John Deere 7300 MaxEmerge 2 John Deere S680
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David Hults Gooding, ID	297.7092	DEKALB DKC101-33RIB	SSRIB	–	38500	–	–	–	220/0/0	John Deere 1720 MaxEmerge XP John Deere S670
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Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/Harvester
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I: CONVENTIONAL IRRIGATED

Mike Moyle Star, ID	289.8024	Pioneer P0953AM™	AM,LL,RR2	Poncho 1250+VOTIVO	40000	–	Atrazine 4F, Clarity Roundup PowerMax	–	325/30/30	Monosem MS Single Row John Deere 9670
ILLINOIS										
Kristen Spangler Green Valley, IL	322.1285	Pioneer P14830Q	Q,LL,RR2	Lumivia	35000	–	Acuron, Bicep Infantry 4L	–	300/57/75	John Deere 1775 NT John Deere S770
Phillip Friedrich Green Valley, IL	316.8724	DEKALB DKC66-18	VT2P	Acceleron	38000	–	Acuron, Bicep Infantry 4L	–	300/57/75	John Deere 1775 NT John Deere S770
Matt Willits New Boston, IL	311.4706	Pioneer P1027AM™	AM,LL,RR2	LumiGEN™ 2020 Premium	34000	–	Atrazine+Impact Generic Roundup Resicore	Trivapro	305/75/120	John Deere 1770 NT CCS Case IH 8250
INDIANA										
Ben Kron Evansville, IN	346.0739	DEKALB DKC62-70RIB	VT2P	vt double pro	39000	–	Acuron	Miravis	450/200/500	White 8824 Narrow Transport New Holland CR8090
Dallas Cardinal Oaktown, IN	342.3942	DEKALB DKC68-35RIB	VT2PRIB	Poncho 500	38000	–	–	–	250/150/150	John Deere 1775NT John Deere S780
Jerry Cardinal Oaktown, IN	320.8991	AgriGold A647-79VT2RIB	VT2RIB	Poncho 500	38000	–	–	–	250/150/150	John Deere 1775NT John Deere S780
KANSAS										
Grant Webber Sublette, KS	317.0948	Pioneer P1742Q™	Q,LL,RR2	–	32000	–	–	–	0/0/0	John Deere DB80 John Deere S780
Taylor Bohl Kensington, KS	310.0386	DEKALB DKC70-27RIB	VT2PRIB	–	34500	–	Charger Max, Status Roundup PowerMax	–	260/80/0	John Deere 1770NT CCS ProXP Case IH Axial-Flow 7088
Todd Cyr Clyde, KS	310.0362	DEKALB DKC70-27RIB	VT2PRIB	Acceleron+ Poncho 250	32000	–	Anthem MAXX	Trivapro	250/60/60	John Deere 1795 John Deere S780
KENTUCKY										
Dennis Mckay Owensboro, KY	298.8382	AgriGold A645-16VT2RIB	VT2RIB	–	34000	–	–	–	300/92/120	Case IH 2150 Early Riser Front Fold John Deere S680
Steve Hunt Herndon, KY	290.1199	DEKALB DKC67-94RIB	TRE	Acceleron	39000	–	Atrazine, Capreno Roundup PowerMax	Trivapro	310/150/100	Case IH 2150 Early Riser Front Fold Case IH Axial Flow 9250
Kyle Dixon Fulton, KY	289.6884	DEKALB DKC68-35RIB	VT2PRIB	elite 500	31000	–	–	–	225/0/0	John Deere DB60 John Deere S780
LOUISIANA										
Russ Perkins Oak Grove, LA	253.9689	AgriGold A643-52VT2	VT2	Poncho 250	34000	–	–	–	0/0/0	John Deere 1720 MaxEmerge XP John Deere S780
MASSACHUSETTS										
William Llewelyn Northfield, MA	313.7789	Channel 199-29STXRIB	SSRIB	Acceleron+ Poncho 250	40000	–	Atrazine+Roundup	–	220/37/230	John Deere 7200 MaxEmerge 2 Vacuum, John Deere 9500
MARYLAND										
Temple Rhodes Centreville, MD	375.6769	DEKALB DKC63-91RIB	VT2PRIB	Acceleron	38500	–	–	–	325/60/120	John Deere 1790 CCS John Deere S680
Jason Sheubrooks Sudlersville, MD	301.6264	DEKALB DKC63-91RIB	VT2PRIB	Acceleron	35000	Ethos XB	Halex GT	Delaro Complete	300/60/150	John Deere 1775 NT Case IH 8240
Michael Wood Denton, MD	273.6383	Hubner Seeds H4763RC2P	VT2PRIB	Acceleron+ Poncho 250	34000	–	–	–	250/100/300	Kinze 3650 Case IH 8230

Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
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I: CONVENTIONAL IRRIGATED

MAINE

Tim Bartlett New Gloucester, ME	198.9106	Channel 189-64VT2PRIB	VT2PRIB	–	34000	–	–	–	190/0/0	John Deere 1770 Conservation John Deere 9510
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MICHIGAN

Jake Drozd Allegan, MI	347.3884	Pioneer P0953AM™	AM,LL,RR2	–	36000	–	Bicep II, Callisto Capreno	Veltyrna	335/30/200	John Deere 1775 NT John Deere S780
Ryan Drozd Allegan, MI	317.8937	Pioneer P0953AM™	AM,LL,RR2	–	39000	–	Bicep II Magnum Callisto, Capreno	Veltyrna	300/90/200	John Deere 1775 NT John Deere S780
Dale Suwyn Wayland, MI	317.6160	AgriGold A639-70 STXRIB	STXRIB	Poncho 500	37550	–	Acuron Flexi	–	320/150/200	Case IH 1250 Front-Fold Early Riser Case IH 8250

MINNESOTA

Al Fox Cannon Falls, MN	338.7818	Pioneer P0953AM™	AM,LL,RR2	LumiGEN™ 2020 Premium	36000	Lambda	AAtrex 4L, Capreno Laudis	Delaro Complete	250/30/100	John Deere DB60 John Deere X9
Paul Beskau Hastings, MN	331.9412	Pioneer P1027AM™	AM,LL,RR2	LumiGEN™ 2020 Premium	36000	–	Buccaneer 5 Callisto, Stinger Keystone LA	Veltyrna	230/11/150	Case IH 1265 Front-Fold Case IH 8250
Brian Velde Wood Lake, MN	314.3879	Pioneer P0924Q™	Q,LL,RR2	LumiGEN™ 2020 Premium	35000	–	–	–	0/0/0	John Deere 1770 Case 9230

MISSOURI

Naaman Cullers Purdy, MO	363.5226	DEKALB DKC68-35RIB	VT2PRIB	Acceleron	50000	–	–	–	200/0/0	John Deere 1775NT John Deere S780
Nathan Alpers Boonville, MO	314.1016	AgriGold A645-16VT2RIB	VT2RIB	–	32000	–	–	–	0/0/0	Kinze 3650 John Deere S670
Tory Meyr Jackson, MO	296.1863	DEKALB DKC62-89RIB	TRE	Acceleron+ Poncho 250	35500	–	Degree Xtra	Preemptor	289/200/200	Case IH 1235 Stackerbar Early Riser Case IH 7230

MISSISSIPPI

Adron Belk Greenwood, MS	238.3718	Revere Seed 1627 TC	Trecepta	–	35000	–	Atra-V 4L Halex GT	–	250/30/30	John Deere 1720 Integral Stack-Fold, John Deere S780
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MONTANA

John Yerger Hardin, MT	279.7619	DEKALB DKC46-18	RR2	–	38000	–	–	–	275/100/20	John Deere 1720 Integral Stack-Fold, John Deere S670
Justin Watson Hardin, MT	268.7416	DEKALB DKC45-66RIB	VT2PRIB	–	38000	–	–	–	280/100/10	John Deere 1720 Integral Stack-Fold, John Deere S670
Brent Icopini Hysham, MT	263.3949	Pioneer P9489Q™	Q,LL,RR2	LumiGEN™ 2020 Premium	38000	–	DiFlexx, Outlook Roundup RT3, Verdict Roundup UltraMax	–	243/100/120	Monosem NG Plus Case IH 9230

NORTH CAROLINA

James Britt Mount Olive, NC	287.0845	DEKALB DKC68-35	VT2P	Poncho 1250	34000	Bifenthrin	Atrazine, Halex GT Leadoff, Roundup	–	270/0/0	John Deere 1725 CCS Stack-Fold John Deere S780
Riley Baucom Monroe, NC	279.8249	DEKALB DKC68-35	VT2P	Poncho 500	32400	–	Atrazine 4L Halex GT	–	280/60/60	Case IH 2140 Early Riser Case IH 8250
Andy Herring Dunn, NC	261.1744	AgriGold A644-32TRC	Trecepta	–	29000	–	–	–	340/0/42	Kinze 3140 John Deere S660

NORTH DAKOTA

Chad Vander Vorst Pollock, SD	313.3942	Pioneer P9540AM™	AM,LL,RR2	Poncho 250 +Raxil	36500	–	Volley ATZ Lite	–	275/65/125	Case IH 2160 Case IH 8240
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	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/Harvester
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I: CONVENTIONAL IRRIGATED

Mark Vander Vorste Linton, ND	302.4218	Pioneer P9540AM™	AM,LL,RR2	Poncho 250 +Raxil	36000	–	Volley ATZ Lite	–	275/65/125	Case IH 2160 Case IH 8240
Bobby Frauenberg Lamoure, ND	288.9490	DEKALB DKC44-98RIB	VT2P	–	36000	–	–	–	300/100/100	John Deere DB66 Case IH 8250
NEBRASKA										
Bob Panowicz Cairo, NE	334.1324	Pioneer P1742Q™	Q,LL,RR2	–	33000	–	–	–	240/5/0	John Deere 1720 CCS Case IH 8240
Rocky Peterson Bertrand, NE	324.6367	Pioneer P1170AM™	AM,LL,RR2	–	34000	–	FulTime Resicore	Delaro Complete	0/0/0	John Deere DR16 John Deere X9
Matt Peterson Bertrand, NE	320.5110	Pioneer P1742Q™	Q,LL,RR2	–	34000	–	Atrazine, Diablo FulTime, Maverick	Delaro Complete	0/0/0	John Deere 1770 NT CCS Claas Lexion 8600
NEW HAMPSHIRE										
Jack Letourneau Northfield, MA	258.5281	Channel 199-29STXRIB	SSRIB	Acceleron+ Poncho 250	36000	–	Atrazine+Roundup	–	220/37/230	John Deere 7200 MaxEmerge 2 Vacuum, John Deere 9500
NEW JERSEY										
Robert Santini Phillipsburg, NJ	290.0881	Pioneer P1197AM™	AM,LL,RR2	–	38000	–	–	–	200/100/100	John Deere 1795 John Deere S760
NEW MEXICO										
Jared Gordon Dalhart, TX	270.5087	Pioneer P1572AM™	AM,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250+Votivo	30000	–	–	–	275/50/25	John Deere 1770 NT CCS Case IH 8250
NEVADA										
Nathan Wadsworth Fallon, NV	239.1744	Pioneer P9998AM™	AM,LL,RR2	–	38000	–	Cornerstone Plus	–	0/0/0	John Deere 7200 MaxEmerge 2 Vacuum, John Deere 9600
NEW YORK										
Paul Campbell Nichols, NY	235.8449	DEKALB DKC56-65RIB	SS	Acceleron	38000	–	Roundup PowerMax Yukon	Priaxor Veltyma	140/36/60	John Deere 1750 MaxEmerge XP John Deere 6620
OHIO										
Nathan Ewing Waverly, OH	319.5862	Pioneer P1383AM™	AM,LL,RR2	–	33000	–	–	–	0/0/0	John Deere 1770 Conservation John Deere S680
Brett Kenworthy Covington, OH	307.5647	Ebberts 6883DGV2P	DGVT2PRIB	Ebberts Complete Corn	36000	LambdaStar	Bellum, Brawl II ATZ Buccaneer 5	Affiance Miravis	65/100/200	John Deere 1775NT John Deere S790
Greg Waters West Lafayette, OH	277.7097	DEKALB DKC64-64RIB	SS	Acceleron	35000	–	Atrazine 4L, DiFlexx Roundup PowerMax Trivolt	Delaro Veltyma	240/0/0	Kinze 3800 Claas Lexion 740
OKLAHOMA										
Nathan Johnson Boise City, OK	294.7296	Pioneer P1828Q™	Q,LL,RR2	–	31000	–	–	–	280/65/0	John Deere 1700 MaxEmerge Vacuum, John Deere 9860 STS
Fred Fischer Hooker, OK	291.1198	Pioneer P1828AM™	AM,LL,RR2	–	31000	–	–	–	250/55/0	Harvest International Other John Deere S770
Roger Fischer Hooker, OK	278.7776	Pioneer P1359AM™	AM,LL,RR2	–	30500	–	–	–	220/40/0	John Deere 1770 NT CCS John Deere S670
OREGON										
Vern Frederickson Irrigon, OR	300.9274	Pioneer P0953AM™	AM,LL,RR2	–	39000	–	Gramoxone SL, Zidua Roundup PowerMax	–	300/42/0	John Deere 7340 John Deere S780
PENNSYLVANIA										
Daryl Alger Lebanon, PA	324.3381	DEKALB DKC64-22	VT2P	Acceleron	37200	–	AAtrex Atrazine+Roundup Roundup PowerMax	–	220/0/0	John Deere 1775 NT John Deere X9

	Yield	Hybrid Brand/No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/Harvester
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I: CONVENTIONAL IRRIGATED

Doug Scipioni Newmanstown, PA	287.4092	Pioneer P1718AML™	AML,LL,RR2	–	34000	–	–	–	240/0/40	John Deere 1750 MaxEmerge Plus Vacuum, Gleaner R52
Eric Meyers Mercersburg, PA	283.1748	Pioneer P0953AM™	AM,LL,RR2	LumiGEN™ 2020 Premium	40000	–	Explorer Trizmet	–	250/100/250	John Deere 7000 John Deere 9660 STS

SOUTH CAROLINA

Daniel Garrick Cope, SC	296.3561	Dyna-Gro D58VC65	VT2P	Amplify L+ Poncho 250	34500	Counter 20 G Permethrin Sniper	Atrazine, Laudis Roundup PowerMax Salvo	Trivapro	300/250/300	John Deere 1705 Case IH Axial Flow 7250
William Jameson Elloree, SC	295.7869	Pioneer P2042VYHR	AVBL,YGCB, HX1,LL	Amplify L +Poncho 250	35000	Counter 20 G	Atrazine Roundup PowerMax	–	275/0/125	John Deere 1705 Case IH 7140

SOUTH DAKOTA

Joey Waldner Huron, SD	323.9881	Beck's Hybrids 6081AM™*	AM	–	34000	–	–	–	240/0/0	John Deere 1770 Drawn CCS MaxEmerge, John Deere S770
Dennis Dehaan Platte, SD	302.2674	Pioneer P0404Q™	Q,LL,RR2	–	32000	–	–	–	129/99/0	John Deere 1775 NT John Deere S680
Steve Hagena Davis, SD	298.8700	Pioneer P14830Q	Q,LL,RR2	Lumivia	31500	–	Acuron	Trivapro	184/0/0	John Deere DB80 John Deere S780

TENNESSEE

Kate Watson Sweetwater, TN	310.5567	DEKALB DKC69-99RIB	TRERIB	Poncho 500	34000	–	–	–	250/200/200	John Deere 1795 John Deere 9660 STS
Terry Taylor Rives, TN	276.8549	DEKALB DKC68-35	VT2P	Acceleron+ Poncho 250	34000	–	Atrazine Lexar+Roundup	Trivapro	300/180/180	John Deere 1775NT John Deere S780

TEXAS

Jody Bezner Texline, TX	324.6043	Pioneer P1370Q™	Q,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250+Votivo	32000	–	–	–	300/60/60	John Deere 1770 NT CCS John Deere S780
Wesley Miller Stratford, TX	301.3198	Pioneer P1366AML™	AML,LL,RR2	–	31290	–	–	–	300/200/200	John Deere DB60 Fendt 8T

UTAH

Keenan Nelson Tremonton, UT	315.0898	Pioneer P0953AM™	AM,LL,RR2	–	37500	Zeal	Roundup Sterling Blue	–	350/100/0	Case IH 1255 Front-Fold Early Riser Case IH Axial Flow 7250
Trevor Gardner Honeyville, UT	304.3838	DEKALB DKC62-69RIB	SS	–	33000	–	–	–	300/20/0	John Deere 1700 MaxEmerge XP Case IH 2388
Bernard Nelson Tremonton, UT	303.5641	Pioneer P0953AM™	AM,LL,RR2	–	37500	Zeal	Roundup Sterling Blue	–	350/100/0	Case IH 1255 Front-Fold Early Riser Case IH Axial Flow 7250

VIRGINIA

JR Newcomb Hanover, VA	366.2601	DEKALB DKC68-35RIB	VT2PRIB	Poncho 1250 +VOTIVO	36000	–	AAtrex+Bicep	–	300/200/300	John Deere 1775NT Case IH 8240
Brett Wightman Mount Jackson, VA	330.6295	DEKALB DKC68-35RIB	VT2PRIB	–	39000	–	Medal II ATZ	Miravis Trivapro	185/20/50	John Deere 7200 Conservation John Deere S660
John Mills Hanover, VA	275.6777	Pioneer P1847AML™	AML,LL,RR2	–	31000	–	AAtrex 4L, Halex Induce, Keystone Roundup	–	300/60/240	Kinze 3660 John Deere S780

VERMONT

Brian Llewellyn Northfield, MA	276.4740	Channel 199-11STXRIB	SSRIB	Acceleron+ Poncho 250	35000	–	Atrazine+Roundup	–	220/37/230	John Deere 7200 MaxEmerge 2 Vacuum, John Deere 9500
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Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
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I: CONVENTIONAL IRRIGATED

WASHINGTON

Scott Gross Warden, WA	317.1916	DEKALB DKC54-38RIB	SSRIB	—	38000	—	Atrazine+Roundup	—	250/65/180	John Deere 1720 CCS Stack-Fold, John Deere X9
Travis Herring Quincy, WA	301.5917	Pioneer P9998	CONV	—	38000	—	—	—	200/300/500	John Deere 1750 MaxEmerge Plus Vacuum, Case IH 1688

WISCONSIN

Ryan Sass Woodstock, IL	324.3172	Pioneer P0924Q™	Q,LL,RR2	Acceleron+ Poncho 250	34000	—	—	—	270/0/0	John Deere 1770 NT CCS John Deere S780
Chuck & Mark Fahey Belleville, WI	324.0093	Pioneer P1185Q™	Q,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250+Votivo	36000	—	Acuron Flexi Roundup+Status	—	250/0/0	John Deere 1775NT John Deere S670
Abe Arndt Janesville, WI	323.1679	Pioneer P0924Q™	Q,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250+Votivo	36500	—	Glyphosate	—	0/0/0	White 8816 Narrow Transport Gleaner S97

WEST VIRGINIA

Duncan Smith Keyser, WV	314.4919	Pioneer P0924Q™	Q,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250+Votivo	37000	—	2,4-D Acuron Mad Dog	—	312/75/326	John Deere 1775NT John Deere S670
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WYOMING

Bryan Greenwald Lingle, WY	291.9997	Pioneer P0339Q™	Q,LL,RR2	LumiGEN™ 2020 High Rate; Poncho 1250+Votivo	36000	—	Resicore	—	250/50/50	John Deere 7100 Mounted MaxEmerge, Case IH 2588
Brett Meyer Torrington, WY	246.5039	Pioneer P9823Q™	Q,LL,RR2	LumiGEN™ 2020 Premium	36000	—	Resolve Q+Roundup	—	180/0/0	Agco White 8700 John Deere 9670 STS



First Place



NICK PREISSLER

Aurora, NE

312.9688 bu./acre (irrigated)

Nitrogen applied: 178.45 lbs./acre
(0.57 lbs. N/bu./acre)

Hybrid: **PIONEER P1742Q**

Harvest Population: 32,500

Harvester: Case IH 8250

SUPERVISOR

Justin Happold: Ag Insurance Agent,
Cornerstone Insurance

In his fifth year of farming, Nick Preissler tried the new pilot nitrogen management class (limited to 180 pounds per acre nitrogen) because it fit his corn production strategy. This was the first time that he, his dad, uncle and grandpa all entered the NCGA yield contest, thanks to his seed dealer's encouragement.

Preissler is a realist regarding the future of nitrogen use, knowing that restrictions could happen at some point. That's why his goal is to grow profitable corn using 0.5 pounds nitrogen per bushel—cutting old recommendations in half.

"We had a field last year that was near that 0.5 pound per bushel mark, so that goal is doable, given the right environment and management," he says. This year's winning 312.9 bu./acre yield only took 0.57 pounds nitrogen per bushel per acre.

His irrigated, strip-till corn-on-corn crop faced a challenging hot and dry summer, but cooler night-time temperatures gave the plants a break. He applied 14 inches of irrigation water on Hastings silt loam soil.

Preissler didn't treat his contest plot differently than other corn acres; fall soil tests drive decisions. When building spring-applied strips, he applied PhoSZ (12-39-0-6S-0.5Zn) in-furrow. This was followed by preplant knifing in a flat rate of 160 pounds nitrogen per acre 32 percent liquid plus Thio-Sul.

His seed dealer recommended **Pioneer P1742Q**,

planted at their regular rate of 32,500 plants per acre on April 25. No starter was applied with the planter.

His only in-season application besides water was one aerial application of Trivapro fungicide around tasseling. Preissler prepared to fertigate if his Sentinel Fertigation weekly satellite images and N-Time software suggested a need, but it didn't.

The software compares the field base nitrogen rate with eight small indicator blocks that contain a prescribed higher and lower rate of nitrogen. "We're in our second year of watching this real-time nitrogen data, which has become a great way to understand what the crop needs instead of trying to guess," he adds.

Preissler credits the hybrid for playing a significant role in his success and knowing he can fertigate as needs arise. His results showed that there's more work needed to dial in nitrogen efficiencies. "There's been a lot of over-applying in previous years, so we'll just keep experimenting with moving efficiency levels forward."

For next year, Preissler plans to experiment more with his base rate of nitrogen.

Basics Add Bushels

- Focus on practices that make money.
- Treat the contest plot same as all acres.
- Feed crop using weekly nitrogen satellite data.

Second Place

TERRY VISSING

Marysville, IN

308.8313 bu./acre (non-irrigated)

Nitrogen applied: 165 lbs./acre
(0.53 lbs. N/bu./acre)

Hybrid: **DEKALB DKC68-35RIB**

Harvest Population: 34,000

Harvester: **John Deere 9670**

SUPERVISOR

Jeff Hall: Ag Loan Officer, New
Washington State Bank

Southeast Indiana farmer Terry Vissing practices what he preaches, given the science of nutrient management. He and Kevin Kalb are partners in Midwest Advanced Crop Consulting, helping other farmers learn the ROI of feeding balanced

nutrients to plants in healthy soils through their MACC program.

Vissing achieved 308.8 bu./acre in a longtime dryland no-till field using 165 pounds nitrogen per acre, or 0.53 pounds nitrogen per bushel per acre. He firmly believes in planting soybeans first and waiting until mid-May to plant full-season corn when conditions are better for quick and even emergence of his 34,000 population in 30-inch rows.

His weather was dry early, but the crop received good rains through grain fill on his clay loam soils. But then the rains shut off the rest of the growing season after an intense windstorm that caused some downed corn.

At planting, he combined 28 percent liquid nitrogen, five gallons of 9-24-3 starter, Capture insecticide and micronutrients in a 2x2x2 band with the planter. In-season, two Y-Drop applications were made at V5 and V10, driven by tissue testing to balance a mix of nitrogen, micronutrients, sugar and humic.

"We're putting on less product but putting it in the right place at the right timings," Vissing says. "The goal is to spoon-feed the plant, not the soil."

To keep the plants green and healthy, he applied BASF Veltyma fungicide at V10 and brown silk. "The 118-day DEKALB DKC68-35RIB did a super job using the fertility to extend the grain-fill period and stay green through harvest."

Third Place

JAY REINERS

Juniata, NE

307.5116 bu./acre (irrigated)

Nitrogen applied: 145 lbs./acre
(0.47 lbs. N/bu./acre)

Hybrid: **Pioneer P1170AM**

Harvest Population: 32,000

Harvester: **Claas 8600**

SUPERVISOR

Nate Gengenbach: Ag Loan
Officer, Five Points Bank

South-central Nebraska irrigated strip-till corn grower Jay Reiners liked the new nitrogen management class because it fit his standard practice.

"I wish this J Class would have started 10 years ago, as I would have been in it all the time," Reiners

says. "I need to figure out how to make more bushels with less nitrogen."

In a severe drought year where pivot corners struggle to get 10 bu./acre, Reiners achieved 307.5 bu./acre with a new **Pioneer P1170AM hybrid** at 32,000 population in 30-inch rows in Hastings silt loam soil. His continuous corn on corn requires triple stacks to ward off rootworms.

Reiners' fertility program is the same across all his corn acres. He starts with 20 gallons per acre of 32 percent liquid, applied with a strip freshener ahead of the planter. In-season, he uses Y-Drops to apply 20 to 25 gallons per acre of 32 percent around V10 to V12. He didn't use tissue testing this year because it doesn't vary enough to change recommendations.

Insects were not a problem this year, but Reiners continues his 6- to 7-year weed battle against the nasty Palmer Amaranth. He firmly believes in fungicides for disease, often applying twice if southern rust comes in late. Luckily, only one application at VT was needed this year.

His dreams of record irrigated yields this year were dashed during severe heat for 10 days in August. "We never cooled off below 80 degrees at night, so that corn plant never rested, which probably took 10 to 15 percent off our top-end yield," Reiners says.



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Iowa 1
Illinois 2

Indiana 4
Kansas 1
Kentucky 1

Maryland 2
Missouri 1
New Jersey 3

Ohio 2
Oklahoma 1
Tennessee 1

Virginia 4
Wisconsin 2
West Virginia 1

TOP YIELDS

CLASS A - CONV NON-IRR

396.1239

600 ENTRIES

CLASS B - CONV NON-IRR

425.8619

1299 ENTRIES

CLASS C - NO-TILL NON-IRR

337.3216

629 ENTRIES

CLASS G - NO-TILL IRR

590.0198

489 ENTRIES

CLASS H - STRIP/MIN-TILL IRR

623.8439

1161 ENTRIES

CLASS I - CONV IRR

375.6769

714 ENTRIES

ENTRIES
6,882

PARTICIPANTS
3,824

HYBRIDS
843

WINNERS
553

**SEED
COMPANIES**
53



Scan here for the
complete 2023 rankings

CLASS D - NO-TILL NON-IRR

399.7812

589 ENTRIES

CLASS E - STRIP/MIN-TILL NON-IRR

342.4012

489 ENTRIES

CLASS F - STRIP/MIN-TILL NON-IRR

363.1221

869 ENTRIES

CLASS J - NITROGEN MANAGEMENT

308.8313

43 ENTRIES

NATIONAL
CORN YIELD
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