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NATIONAL CORN YIELD CONTEST



NATIONAL
CORN GROWERS
ASSOCIATION

A Message From the President

The challenges U.S. corn farmers faced in 2019

were, in many ways, a perfect storm. From a slew of weather-related issues to trade disruptions and persistent low prices, farmers were tested in many ways, often many times, over the past year. With determination and a whole lot of grit, the American farm families who grow corn persevered. Their harvest again produced an abundance of corn to meet the world's growing demand for food, feed and fiber.



Kevin Ross, President
National Corn Growers Association

Innovators by nature, farmers continue to refine practices and adopt new technologies. In doing so, they stretched resources further, improving the sustainability of their farms. Drawing upon the knowledge of the past with an eye steadily on the horizon, farmers combined the best of the old with the latest advancements to build a better future for generations to come.

In 2019, the National Corn Growers Association's National Corn Yield Contest (NCYC) hit a new high as David Hula of Charles City, Virginia, set a new record yield of 616.1953 bushels per acre. Additionally, with three new categories launched, we met many new leaders in their field with 132 additional winners at the state and national levels.

The achievements of these winners contribute to the overall pool of knowledge from which the industry draws while highlighting how adaptation and innovation, when combined with state-of-the-art technology, can help farmers achieve true excellence and inspire their peers. These accomplishments highlight not only personal triumphs but also the collective achievements of the industry that supports them.

Personally and on behalf of the entire association, I thank every entrant for accepting this challenge and contributing to the pool of information and data from which we all draw as we move the industry forward. Each NCYC entrant contributes to the collective body of agronomic research whether they set a national record or strive to beat their personal best. When compiled, this information empowers farmers across the country to feed and fuel the world while preserving resources for their

families' farming futures as well as for generations of Americans to come.

The support seed companies provided the National Corn Yield Contest in 2019 remained strong and steady, as it has for decades now. These companies recognize the stiff competition inherent in the contest and realize that it provides an excellent showcase for the myriad of new seed offerings. As the NCYC continues to grow in popularity and renown, seed representatives step forward to help growers work toward their dreams.

In particular, I thank our 2019 sponsors: BASF Corporation, John Deere and Pioneer. This guide and the events and online media recognizing contest winners are only possible through their generous support. These companies deserve both our gratitude and applause for their solid commitment to the continuous improvement that will create a brighter future for our nation's farmers.

Volunteer supervisors make the contest possible by generously giving their personal time and energy to ensure the integrity of this endeavor. The service provided by these crop advisors, extension personnel, government employees and financial professionals to our industry has enormous value whether they take part in one yield check or more than a dozen.

We applaud the successes of the 2019 NCYC winners. Their stories, highlighted throughout the guide, are a testament to the ingenuity and dedication of the American farmer and provide valuable insight into innovative practices.

NCGA believes in America's corn farmers — their values, their rugged independence and the hard work they put in every day on their farms. We believe that, together, we can accomplish greater achievements, achievements necessary to our industry's future, which would be impossible alone. We believe that every voice, every action, and every entry counts. As farmers continue the great endeavor that is American agriculture, NCGA stands beside them as a steadfast partner in helping them achieve their dreams. ●



ABOUT THE COVER

"Golden"
2018 Fields of Corn Grand Prize Winner
Photo by Ryan Kanode, Colorado

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Climate Calamities

Extreme weather events are changing how farmers manage their corn crop.

Eight days. That's the amount of time Gary Porter estimates his family has to complete corn planting on their farm near Mercer, Missouri.

"We geared up about 10 years ago with equipment and a strategy when it seemed like about a week was all we would get each spring to get everything planted," says Porter, who farms with several family members on the sixth-generation corn, soybean and Angus cattle farm and serves on the National Corn Growers Association (NCGA) Corn Board.

Porter relies on multiple strategies to help manage unexpected weather challenges. Larger equipment allows him to cover more acres in less time. Guidance technology eliminates waste and improves efficiency. Adopting no-till and cover crops helps make soil health a priority.

"Last year was particularly difficult with the wet, cold spring. We like to take good care of the soil, and we had to really work to prevent compaction. The clock was ticking," he says.

Time has become a scarce commodity for many corn growers over the past few springs. They have struggled to complete timely fieldwork due to more frequent extreme weather events.

Kevin Ross has seen heavier rain events the past couple of years on his Minden, Iowa, farm.

"We had smaller windows of time to complete fieldwork in 2019. There was too much water," says Ross, who is president of NCGA. "Then, into the season, we were needing rain. It went from one extreme to another."

Ross says his crop management decisions are based partially on conservation needs. He employs no-till to make fewer passes and is testing cover crops. "Good soil health affords me the chance to better handle the big rains," he adds. "I am quickly seeing good conservation practices are also of benefit with this wetter weather."

Radical Rainfall

The 2019 season handed corn growers not only persistent spring rains, but also record flooding in many regions. USDA estimates some 19 million crop acres went

Flooding throughout the Corn Belt last year destroyed grain bins when the stored grain swelled and burst the sides of the structures.

unplanted. In addition to the narrower windows for fieldwork, increasingly higher night-time temperatures prevent corn plants from cooling, which can cut yields. And never-ending yield and plant health pressures continue, thanks to an evolving spectrum of pests, diseases and weeds. All make managing a corn crop tougher throughout the growing season.



Gary Porter



Iowa farmer Kevin Ross is experiencing wetter springs which cause delays in planting and other field tasks.

Climate specialists suggest today's weather events are part of a larger, long-term weather shift. "The main signal we see is big rainfall events," confirms David Easterling, data scientist, National Oceanic and Atmospheric Administration (NOAA), Asheville, North Carolina. "There is a noticeable rise in the number and intensity of downpours, especially with summer cold fronts."

Easterling says an uptick in warming temperatures means more moisture is held in the atmosphere. The increase in water vapor converts to rain. As a result, he points out the Midwest has seen a 40 percent increase in heavy rain events, based on records that date back more than 100 years.

"We will still have average years, but as the climate continues to warm, there will be more moisture, more evaporation and bigger swings in weather extremes," Easterling predicts.

Patterns Shift

Climate extremes can have numerous effects on U.S. corn production. Jerry Hatfield, Agricultural Research Service plant physiologist with the National Lab for Ag and the Environment in Ames, Iowa, and with USDA Climate Hubs, has monitored the effects for decades.

"Rainfall remains the top limiting factor for corn productivity, and we see a shift in seasonality of rainfall," he says. "That leads to variation in

production, especially where there is less water-holding soil capacity. It affects yield potential in different fields and in different years."

For example, the seasonal shift has reduced fieldwork windows in the Midwest. Hatfield says over the last 25 years, there has been a 10 percent reduction in workable days between April 1 and mid-May due to precipitation. The result is often soil compaction and stunted corn.

Dennis Todey, with the USDA Midwest Climate Hub and director of the National Lab of Agriculture and the Environment, agrees. "We saw the impact on corn in spades this [2019] year. Rain makes grain, but too much rain creates secondary effects like untimely nutrient applications and more weed development," he says.

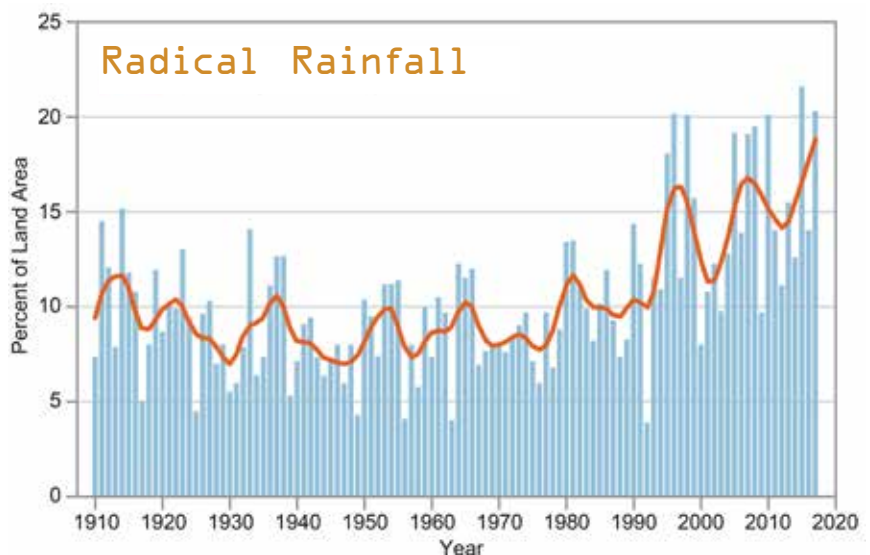
As more precipitation falls earlier and later in the growing season, it changes planting dates, which in turn, shifts the time during the growing season when water is most needed by the corn crop. If precipitation amounts peak before pollination, Todey says corn won't have moisture during the critical period when the crop traditionally adds bushels to overall yield.

More precipitation and increased precipitation variability in the Southeast are primary concerns for Steve McNulty, director of the USDA Southeast Climate Hub at Research Triangle Park, North Carolina.

"Increasingly strong hurricanes can decimate ag production with too much precipitation, but drought also is becoming a problem. Shifts in weather patterns, such as westward movement of the Bermuda High in the summer, can increase drought likelihood and severity within the region," he says.

Temperature trends offer a mixed outcome for corn growers. Research shows average corn yields have increased with the rise in temperatures. Yet, Todey points out, "Climate models project more extreme highs by mid-century, which could mean corn will more frequently be stressed in the Southern Corn Belt and the lower tiers of Missouri, Illinois and Indiana."

At the same time, Todey anticipates rising temperatures will cause corn production to continue to migrate north and northwest, such as into the ►



The percent of land area in the contiguous 48 states experiencing extreme, one-day precipitation events is on the rise.

Source: Adapted from EPA 2016.

HATS.

SCIENTIST,

DATA ANALYST,

GLOBAL TRADER,

MECHANIC,

MARKETER,

HR MANAGER,

FARMER,

NCGA CORN YIELD CONTEST WINNER.

Congratulations, not just to our 10 national winners and 245 state winners across the country, but to all farmers. Pioneer is proud to work alongside you in the most complex and rewarding industry on earth.



OFF.

2019 NCGA CORN YIELD CONTEST NATIONAL WINNERS

RANK	WINNER	CITY, STATE	YIELD (BU/A)
NON-IRRIGATED			
2	JOHN GAUSE	SCRANTON, SC	374.08
3	DON STALL	CHARLOTTE, MI	356.29
CONVENTIONAL NON-IRRIGATED*			
3	BRIGITTE YOUNG	ERIE, IL	318.06
NO-TILL NON-IRRIGATED			
2	CHRIS SANTINI	STEWARTSVILLE, NJ	344.52
NO-TILL NON-IRRIGATED*			
1	MATTHEW SWANSON	LAHARPE, IL	330.43
STRIP-TILL, MINIMUM-TILL, MULCH-TILL, RIDGE-TILL NON-IRRIGATED			
1	DOMINICK SANTINI	PHILLIPSBURG, NJ	339.10
STRIP-TILL, MINIMUM-TILL, MULCH-TILL, RIDGE-TILL NON-IRRIGATED*			
3	JERRY COX	DELTA, MO	299.25
NO-TILL IRRIGATED			
3	CARLY SANTINI	STEWARTSVILLE, NJ	345.28
STRIP-TILL, MINIMUM-TILL, MULCH-TILL, RIDGE-TILL IRRIGATED			
1	DAVID HULA	CHARLES CITY, VA	616.19
CONVENTIONAL IRRIGATED			
2	KEVIN DOWDY	VALDOSTA, GA	478.02



For the full list of National Corn Growers Association 2019 National Corn Yield Contest winners, along with the Pioneer® brand corn products, visit pioneer.com/NCGA.

*Corn Belt States: IL, IN, IA, MN, MO, OH, WI.

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Dakotas where production was limited 15 years ago. Other consequences of weather change, he points out, include soil loss, more overwintering insects and more diseases like aflatoxin and vomitoxin.

Pinpoint Practices

Corn growers may need to rethink production practices, management decisions and input purchases to counter the punches Mother Nature is throwing at them.

Hatfield created a yield gaps model to see what may be on the horizon. The model documents the difference between attainable and actual yields from 1950 to the present, based on National Ag Statistics Service county data. The model incorporates July maximum temperatures, August minimum temperatures (which have a negative impact on plant efficiency to fill grain) and July-August rainfall.

Extending the relationships into the future shows an overall 50-bushel per acre corn yield decline by 2075 if the same carbon dioxide concentration trend is maintained. That's a 25 to 30 percent yield reduction if no practices are adopted on the farm level to offset the impact. If farmers implement management

changes and begin to reduce the atmospheric concentration of carbon dioxide, then the negative impact on corn yield can be reduced, explains Hatfield.

"Farmers will need to develop adaptation strategies and maybe plant earlier or plant other crops," he suggests. "Research combing through different genomes to manage moisture and heat should be a priority."

Hatfield notes corn farmers also should make sure soils are well aggregated for healthy oxygen and carbon dioxide exchange and to create less runoff of water and nutrients.

In the Southeast, McNulty says farmers should consider conservation tillage practices commonly used by Midwest corn farmers. "Conservation tillage is not practiced as frequently in the Southeast, but research shows most Southeast farmers would benefit from no-till through increased soil water retention and reduced fuel and herbicide costs," he says.

McNulty also encourages corn growers to utilize AgroClimate (www.agroclimate.org), a tool available from the University of Florida, as a resource for showing how various crop yields are affected at the county level during El Niño and La Niña events.



Chad Wetzel uses minimum- and no-till to help manage weather challenges on his northeast Texas farm.

"Decisions will vary from state to state with different challenges," says Hatfield. "Focus on your environment, go to shorter season hybrids (to accommodate a shorter production season) and customize a plan to maximize yield potential."

Chad Wetzel who farms near Tom Bean, Texas, is familiar with the unique challenges of his area. He grows corn and wheat and some soybeans with his father in the Texas Blackland Prairies.

"We are located in the northeast part of the state, which is on the fringe for corn production. It is all dryland production and a low-yield environment," says Wetzel. While corn yields are highly variable, he says weather extremes seem to be more pronounced.

"In 2018, it was hot and dry and corn averaged 77 bushels per acre. In 2019, with an unusual amount of rain, our corn yields were double," he says. "When my dad was farming, corn yields averaged about 100 bushels per acre most years. Now, even with better genetics and farming

Climate Calculations

- ▶ Over the next 30 to 50 years, average temperatures could increase by at least 1.8° F, increasing the number of heat waves and warm nights, decreasing the number of frost days and creating a longer growing season in some regions. At the same time, CO₂ concentrations will increase, potentially growing weed pressure and reducing crop yields.
- ▶ Degree days, the number of degrees by which the average daily temperature is higher than 65° F or lower than 65° F, show changes have decreased heating needs and raised cooling needs over the past century.
- ▶ There is currently no detectable change in long-term U.S. drought statistics using the Palmer Drought Severity Index.
- ▶ Since the 1980s, the annual minimum sea ice extent in the Arctic Ocean dropped at a rate of 11 to 16 percent per decade. Large declines in U.S. snowpack occurred from 1955 to 2016.

practices, we don't always see 100-bushel averages."

Wetzel likes to try new practices to improve yields in his weather-challenged area. He uses minimum-till and is enrolled in a Natural Resources Conservation Service no-till program. He also selects hybrids for heat and drought tolerance and uses split nitrogen applications. Variable rate technology helps manage planting populations in assorted soil types.

"We will try strip-till this winter and continue to variable rate more acres to manage in this environment," says Wetzel. "We will plant corn for the foreseeable future, and push our planting date as early as possible to try and beat the heat and maximize our yields."

NCGA is a leader in industry discussions that address challenges brought on by weather extremes and possible solutions for farmers. Work through the association's Soil Health Partnership program

offers ongoing new ideas for managing soils under changing climate conditions.

"We are looking for opportunities to participate in the climate discussion without choosing sides," points out Ross. "Agriculture can show its resiliency and look to mitigate risks. I hope 2019 is an anomaly, but I am not sticking my head in the sand. We need to understand climate and help growers be in the best position possible." ●

Research Prepares Corn for Weather Extremes

According to the Soil Science Society of America, crop breeding for developing new climate tolerant crops is one of several key tools for adapting agriculture to a changing climate.

Here is a snapshot of research underway to help corn growers manage weather extremes:

► Enhance Crop Systems' Resiliency

USDA's Corn-based Cropping Systems Coordinated Ag Project was a five-year effort with several Midwest institutions to gather systems-level data across a range of climate adaptation strategies. Researchers evaluated the effect of farming practices on carbon and nitrogen fluxes, gains and losses to water and atmosphere, soil organic carbon stocks and crop yield. Publications and data are publicly available to others working on climate adaptation (<https://datateam.agron.iastate.edu/cscap/>).

"Our multidisciplinary team was one of the first really focused on strategies that may aid in the resiliency and sustainability of corn to changes in temperature and precipitation. A major effort was to build up scientific literature by analyzing the field data we collected," says Lori Abendroth, project manager and Iowa State University agronomist. She says the site shares the effects that variability in weather and farmers' management practices have on yield, water use efficiency, insects, sediment and nitrate loads, soil water retention and nitrous oxide emissions.

"Cover crops, no-till and controlled drainage show promise in improving components of the nitrogen, carbon and water cycles, but are not sufficient alone to stabilize and increase yields while solving unintended environmental concerns with cultivated systems," says project director Lois Wright Morton. "There are no single or simple solutions to improving yields under changing climate while simultaneously protecting and managing water resources, reducing off-field nitrogen loss, retaining/enhancing soil carbon and ensuring farm livelihoods."

► Track Yield and Nitrogen Use Efficiency

During the past 70 years, Tony Vyn, Purdue University crop

sciences chair, says corn has increased yield and nitrogen use efficiency at nearly the same pace by preserving leaf function during grain filling. Vyn estimates genetic improvements have led to an 89 percent increase in yield and 73 percent increase in nitrogen use efficiency during this time.

"We've documented progression from 42 pounds of grain per pound of nitrogen taken up in the plant to 65 pounds. We've not necessarily sacrificed the environment in realizing much higher yields," he says. "The findings offer breeders suggestions to make more improvements focusing on timing and movement of nitrogen through stems and into kernels."

► Count On Genetically Engineered Hybrids

Kansas State University ag economist Jesse Tack and Ariel Ortiz-Bobea of Cornell University, looked at the impact of climate change on corn yields in eight Midwest states in 2018. The study shows corn hybrids improved by modern technology better overcome climate change concerns than other hybrids.

They paired 35 years of climatic data, from 1981 to 2015, with farmer adoption of genetically engineered corn to confirm new technology could offset the effects of higher temperatures. Data validated upside yield potential after adoption of genetically engineered corn versus before adoption.

► Adapt New Management for Higher Yields

Research led by Ethan Butler at the University of Minnesota analyzed how farmers' management influences yield, confirming they have adapted to historical climate change. The combination of cooling the hottest temperatures through transpiration by densely planted corn coupled with farmer adjustments, including earlier planting and longer maturing varieties, have increased corn yield trends 28 percent since 1981.

"We've shown farmers already made adjustments to better align planting practices with historical climate changes," he says. "Farmers have proven adept at adjusting to environmental changes, but it is unclear whether these patterns of adaptation by farmers will be maintained in a hotter environment."

First Place



HEATH CUTRELL
Chesapeake, VA

381.4666 bu./acre
DEKALB DKC68-69
Population: 38,000
Harvester: Case IH 8230

SUPERVISORS

Cory Hoar: Conservation Specialist,
Virginia-Dare Soil & Water Conservation
Andrew Turner: Ag Loan Officer

Heath Cutrell was thrilled when he learned his contest entry had registered more than 381 bu./acre, earning a first-place award in this class. "When I saw the number, I was tickled pink," he says. "It's the best we've ever done with our contest corn."

But Cutrell was "a little disappointed," too. In September, just as he was getting ready to combine, a hurricane skirted his contest field, dumping heavy amounts of rain. "Our field was so wet and muddy that we had to delay harvest for about two weeks," he relates. "By the time, we got going again, the corn had dried to 17 percent. (His target normally is around 25 percent). Without that, I'm pretty sure we would have been really close to 400 bushels."

Cutrell's journey to a second straight, first-place award started with getting his contest entry into the ground "just so." His Case IH 2140 12-row planter, fitted with seed tubes, enabled him to place seed precisely. "That's a real key to getting nice even emergence," he says.

As he's been doing for years, Cutrell put down an in-furrow pop-up fertilizer with the planter. As a new practice this year, he also laid liquid nitrogen two inches to each side of the furrow. "The pop-up gets the corn coming up super quick," he says. "And having the nitrogen close by when the corn is getting started means the roots don't have to work as hard to find it. It's there for them right away."

When the corn was knee-high, Cutrell used a RoGator to spread granular fertilizer. A few weeks later, he flew on liquid fertilizer, then came back with a similar application at tassel. Application rates were calculated using results from annual soil testing. "We're in the Chesapeake Bay Watershed so we're under a lot of public scrutiny when it comes to nutrient runoff," he says. "But this is something we'd be doing anyway. We don't want to be putting nutrients out there that the crops can't use. The better job I do taking care of soil and water resources, the longer I'll stay in business."

Cutrell planted DEKALB DKC68-69, a 118-day variety. "We like longer maturity varieties," he says. "They give the corn more time to develop and take advantage of more hours of sunlight. We also prefer a short- to medium-statured corn like this one. With the ears a little closer to the ground, the corn is less likely to lay over with the strong winds we sometimes get with hurricanes around here."

Basics Add Bushels

- Keep the concept of even emergence at the forefront when planting.
- Focus on timely nutrient applications.
- Soil test to avoid over fertilizing.
- Plant hybrids that match up with your management and conditions.

Second Place

JOHN GAUSE
Scranton, SC
374.0775 bu./acre
Pioneer P1847VYHR
Population: 34,000
Harvester: John Deere S670

Many U.S. corn growers will be able to relate to the weather challenges John Gause confronted during the 2019 growing season. When March 1 rolled around, Gause, who earns second place in this class with a yield of 374 bu./acre, was chomping at the bit to start planting. A continuous string of rain events kept him on the sidelines for nearly two months. He didn't get his entry planted until April 28.

The delay turned out to be a blessing. The spring wet spell was followed by a month-long stretch of hot, dry weather in June through July. "We had a couple of weeks where daytime highs were 100 degrees or more every day," Gause relates. "It came right when the corn was pollinating. If we had planted on time, it would have crushed our yields."

Fall soil testing is a cornerstone of Gause's high-yield corn strategy. He tests in three- to four-acre parcels, aiming to get several reference points in each parcel. "It's really helped us make better decision about nutrient placement," he says. "Since we started doing it about ten years ago, we've seen our soil pH level out and we've had better uptake with P and K. We don't want to mine our soil. We want to keep it built up so we can continue increasing our yields."

SUPERVISORS

Richard Moore:
Crop Adjustor, Diversified
Crop Insurance

Carey Middleton:
Ag Loan Officer,
ArborOne ACA

Third Place

DON STALL
Charlotte, MI
356.2862 bu./acre
Pioneer PO414AM
Population: 32,500
Harvester: Case IH 8010

For the past two years, Don Stall captured first place honors in the Irrigated Class. This year, he moves over to the Conventional, Non-Irrigated Class, where his yield of over 356 bu./acre earns third-place.

Given the weather he dealt with throughout the season, Stall considers himself fortunate. "The cold and wet weather plagued us all season," he says. "This year, we only had four months that it didn't snow. We didn't get our contest field planted until May 17, about a whole week beyond our optimum planting window."

Having grid tiling in place made planting his contest field possible. "Because we're in the Great Lakes region, we have to manage our soil and water with grid tile," he explains. "We have a heavy clay subsoil, and it's always a challenge to manage subsoil moisture. This year, a lot of people in our area who didn't have tiling weren't able to plant at all or had substantially lower yields. It shows how important it is to take care of your soil and all your resources. If you don't, it will be pretty hard to stay in business."

Utilizing a starter fertilizer, a long-standing practice in Stall's high-yield management scheme, proved to be essential this year. "If we hadn't used it, the crop never would have matured," he says.

SUPERVISORS

Kelly Aiken:
Ag Loan Officer,
GreenStone FCS

Yvonne Visger:
Ag Loan Officer,
GreenStone FCS

TOP THREE WINNERS BY CLASS

	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	315.0644	DEKALB DKC67-44	VT2P	Acceleron+ Poncho 250	37000	—	Halex GT	—	201/60/110	Kinze 3000 John Deere 9600
Clay More Aliceville, AL	194.7482	DEKALB DKC66-94	RR2	Poncho 250	32000	—	Roundup PowerMax, Stratego YLD Resicore, Atrazine 4L	—	300/64/117	John Deere 1720 CCS Stack-Fold John Deere S690
Richard Jaggers Sulligent, AL	94.6535	Pioneer P1197YHR	YGCB,HX1, LL,RR2	Cruiser 250	27000	—	—	—	175/75/75	John Deere DR12 John Deere 686
ARKANSAS										
Lily Williamson Eads, TN	252.3580	Pioneer P2089VYHR	AVBL,YGCB, HX1,LL,RR2	Cruiser Extreme 250	32000	—	Halex GT, Atrazine 4L	—	220/40/60	Kinze 3600 John Deere 9860
Michelle Williamson Eads, TN	234.7690	Pioneer P1847VYHR*	AVBL,YGCB, HX1,LL,RR2	Cruiser Extreme 250	32000	—	Halex GT, Atrazine 4L	—	220/30/60	Kinze 3600 John Deere 9860
CALIFORNIA										
Aaron J Beaver Isleton, CA	234.7764	Pioneer P1197AM™	AM,LL,RR2	None	30000	Zeal	Roundup PowerMax	—	300/50/80	White 8700 John Deere 9500
Natalie Beaver Isleton, CA	233.9007	Pioneer P1055AM™*	AM,LL,RR2	None	30000	Zeal	Roundup PowerMax	—	300/50/80	White 8700 John Deere 9500
COLORADO										
Harry Brinkema Holyoke, CO	128.5271	Pioneer P0339R	RR2	None	16000	—	Durango, DiFlexx, FulTime	—	80/50/40	John Deere 1710 Vacuum John Deere 780
Eric Wood Two Buttes, CO	92.0923	Pioneer 35F50AM™	AM,LL,RR2	Cruiser 250/ Raxil	12000	—	—	—	50/0/0	John Deere DB90 John Deere S680
CONNECTICUT										
Jim Logue Woodbury, CT	277.5858	Channel 209-51	VT2PRIB	Acceleron+ Poncho 250	35000	—	Lexar+Roundup	—	240/40/120	John Deere 7200 Conservation Case IH 2388
Michael Logue Woodbury, CT	275.7918	Dyna-Gro D52VC63RIB	VT2PRIB	Acceleron	34000	—	Bicep II Magnum	—	250/60/60	Kinze 3500 Case IH 2388
Harris Cohen Ellington, CT	243.5136	DEKALB DKC64-34RIB	SSRIB	Acceleron	31000	—	—	—	250/60/200	John Deere 1750 Gleaner L3
DELAWARE										
Bill Alfree Middletown, DE	287.7999	DEKALB DKC64-87RIB	SSRIB	None	32800	—	—	—	250/100/125	Kinze 3660 John Deere S680
Jonathan Snow Smyrna, DE	239.8057	Pioneer P1380AM™	AM,LL,RR2	PPST 250	33000	Bifenthrin 2EC	Atrazine 4L Roundup, Zidua	Headline AMP Priaxor	238/72/92	John Deere 1770NT John Deere S660
Russell Hudson Frankford, DE	226.3700	DEKALB DKC67-44RIB	VT2PRIB	None	34500	—	Atrazine 90 DF Harness Xtra, Roundup	—	225/0/100	John Deere 1790 CCS John Deere 9770 STS
FLORIDA										
Sam Jones Jasper, FL	202.2468	Pioneer P1662YHR	YGCB,HX1, LL,RR2	Poncho	28500	—	Atrazine 4L Glyphos, Outlook	—	200/50/200	Monosem Twin Row Case IH 1660
GEORGIA										
Wallace Anderson Ellijay, GA	299.9679	Pioneer P1870AM™	AM,LL,RR2	Amplify D+ Poncho 1250	34000	—	Atrazine 4L Glyphosate	—	400/250/415	John Deere 7000 Conservation John Deere 4420
Lucas McElvy Whigham, GA	151.6518	Pioneer P1662YHR	YGCB,HX1, LL,RR2	PPST 250	24000	—	—	—	150/90/155	John Deere 1700 MaxEmerge XP John Deere S680
KANSAS										
Doug Armstrong Atchison, KS	236.9783	AgriGold A6499 STXRIB	STXRIB	None	35000	—	—	—	225/60/60	Kinze 3600 Case IH 7120

TOP THREE WINNERS BY CLASS

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
A: CONVENTIONAL NON-IRRIGATED										
Dale Shirley Vermillion, KS	226.0550	AgriGold A6544 VT2RIB	VT2RIB	Acceleron	27328	—	AAtrex 4L, Diablo Bicep II Magnum, Halex GT Roundup PowerMax	—	180/50/30	John Deere 1760 John Deere 9660
Loren Lucas Johnson, KS	220.4052	Pioneer P0339AM™	AM,LL,RR2	Poncho 1250+ VOTIVO+Raxil	24000	—	—	—	100/60/0	John Deere 1770 NT CCS John Deere S670
KENTUCKY										
Mark Sparks Owensboro, KY	299.1495	DEKALB DKC70-27RIB	VT2PRIB	Acceleron	36000	Tundra	Acuron Roundup PowerMax	—	231/80/105	John Deere 1770 NT CCS John Deere 680
Ray Wells Morganfield, KY	291.3856	DEKALB DKC70-27RIB	VT2PRIB	Acceleron+ Poncho 250	35000	—	Degree Xtra	—	240/200/250	John Deere 1770NT John Deere S680
Darrel Hagan Whitesville, KY	290.5377	AgriGold A644-32TRCRIB	Trecepta RIB	Acceleron+ Poncho 250	39000	Tundra	2,4-D, Armezon Pro Atrazine, Simazine Cornerstone	Priaxor Tilt	265/115/150	John Deere 1795 John Deere 9860 STS
LOUISIANA										
Nathan Lee Tallulah, LA	235.0304	Pioneer P1366YHR	YGCB,HX1, LL,RR2	PPST 250	32000	—	2,4-D+Roundup Atrazine, Roundup	—	250/50/100	John Deere 1720 John Deere S780
Billy Lee Tallulah, LA	229.5751	Pioneer P1366YHR	YGCB,HX1, LL,RR2	PPST 250	32000	—	2,4-D+Roundup Atrazine, Roundup	—	250/50/100	John Deere 1720 John Deere S780
Connell Miller Vidalia, LA	225.9794	Pioneer P1870YHR	YGCB,HX1, LL,RR2	Cruiser 250/ Raxil	30000	—	—	—	193/35/19	John Deere 1700 Case IH 8230
MASSACHUSETTS										
Brian Llewellyn Northfield, MA	321.0063	Pioneer P9840AM™	AM,LL,RR2	None	40000	—	Lumax EZ	—	220/37/230	John Deere 7200 MaxEmerge 2 Vacuum John Deere 9500
MARYLAND										
Brenda Walsh Hampstead, MD	307.9723	AgriGold A641-06 VT2RIB	VT2RIB	None	35000	—	—	—	290/150/250	John Deere 1750 MaxEmerge Plus Vacuum John Deere 9670 STS
Michael Harrison Woodbine, MD	287.6881	DEKALB DKC64-35RIB	VT2PRIB	Acceleron	35500	—	—	—	0/0/0	John Deere 7240 MaxEmerge John Deere 9500 SideHill
Gregory Dell Westminster, MD	271.6846	Channel 213-19VT2PRIB	VT2PRIB	None	32000	—	—	—	260/200/200	John Deere 1770NT CCS ProXP John Deere S670
MAINE										
James Hilton Norridgewock, ME	150.2609	Mycogen Seeds MY84S86	3320/GT/LL	None	29000	—	Acuron, Sterling Blue Cornerstone Plus	—	150/0/60	Great Plains YP-625A Claas Lexion 450
MICHIGAN										
Don Stall Charlotte, MI	356.2862	Pioneer P0414AM™	AM,LL,RR2	PPST 250	33500	—	AAtrex 4L, AMS Makaze Yield Pro, Realm Q	—	337/85/400	Case IH 1250 Front-Fold Early Riser Case IH 8010
Randy Eschenburg Almont, MI	298.3839	DEKALB DKC53-58RIB	VT2PRIB	Acceleron+ Poncho 250	33000	—	Atrazine 4F Capreno	—	200/75/150	John Deere 1770 Case IH 8120
Nick Suwyn Wayland, MI	277.9330	Golden Harvest G07F23-3111	3111	Avicta	36500	—	Acuron	Miravis Trivapro	300/50/200	Case IH 2150 Early Riser Front Fold Case IH 8250
MISSISSIPPI										
Justin Hurt Senatobia, MS	280.7423	AgriGold A6659 VT2PRO	VT2PRO	Poncho 500	37500	—	—	—	300/30/60	Monosem Twin Row John Deere S670
Daniel Brooks Coldwater, MS	263.5576	AgriGold A6659 RR	RR	Poncho 500	39000	—	—	—	240/38/135	Great Plains YP-625A John Deere S670
Scott Flowers Dublin, MS	238.4873	Pioneer P2089VYHR	AVBL,YGCB, HX1,LL,RR2	None	34000	—	—	—	250/0/0	Great Plains 3PYPA John Deere S670



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TOP THREE WINNERS BY CLASS

Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
A: CONVENTIONAL NON-IRRIGATED									
NORTH CAROLINA									
Wesley Johnson Dobson, NC	288.5850	Pioneer P1442YHR	YGCB,HX1, LL,RR2	Poncho 1250	31000	—	AAtrex 4L, Halex GT Bicep II Magnum	—	180/0/0 John Deere 1770NT John Deere 9770 STS
Delbert Armstrong Belhaven, NC	279.1093	DEKALB DKC67-44	VT2P	Accelaron	38000	—	Roundup PowerMax Status	—	189/73/167 John Deere DB66 John Deere S690
Mark Johnson Dobson, NC	271.8551	Dyna-Gro D58VC65	VT2P	Poncho 1250	31500	—	Bicep	—	180/0/70 John Deere 1770NT John Deere 9770 STS
NORTH DAKOTA									
Betty Huber Berlin, ND	299.7363	DEKALB DKC44-80RIB	VT2PRIB	Poncho 1250 +VOTIVO	33000	—	Armezon Pro, Atrazine Class Act NG, Interlock Roundup PowerMax	—	140/75/20 John Deere 1770NT John Deere S680
Sarah Huber Edgeley, ND	297.6772	DEKALB DKC44-15RIB	VT2PRIB	Poncho 1250 +VOTIVO	32000	—	Armezon Pro, Atrazine Class Act NG, Interlock Roundup PowerMax	—	140/75/20 John Deere 1770NT John Deere S680
Riley Jordahl Berlin, ND	282.3272	DEKALB DKC41-99RIB	VT2PRIB	Poncho 1250 +VOTIVO	33000	—	Armezon Pro, Atrazine 4L Class Act NG, Interlock Roundup PowerMax	—	140/75/20 John Deere 1770NT John Deere S680
NEBRASKA									
Terry Eller Shelby, NE	272.8464	Pioneer P1563AM™*	AM,LL,RR2	None	34000	—	—	—	189/0/0 John Deere 1770 Case IH 8240
Brian Loofe Walshill, NE	267.5136	Pioneer P1563AM™*	AM,LL,RR2	Lumivia	31675	—	Corvus	—	220/75/60 John Deere 1770NT CCS ProXP John Deere S680
Matt Peterson Bertrand, NE	267.2957	Pioneer P1370AMXT™*	AMXT,LL,RR2	None	24000	Hero	Liberty	Trivapro	248/79/0 John Deere 1775 Flex John Deere S780
NEW HAMPSHIRE									
William Llewelyn Northfield, MA	230.4748	Channel 195-18VT2PRIB	VT2PRIB	None	40000	—	Lumax EZ	—	220/37/230 John Deere 7200 MaxEmerge 2 Vacuum John Deere 9500
NEW JERSEY									
Sam Santini Stewartsville, NJ	346.7817	Pioneer P1464AML™*	AML,LL,RR2	Cruiser+ Herculex I	38000	—	—	—	350/70/70 John Deere 1780 MaxEmerge Plus Vacuum John Deere S770
NEW YORK									
Jeremy Silsby Gasport, NY	254.6496	DEKALB DKC53-56RIB	SSRIB	None	35000	—	Acuron	—	185/79/95 John Deere 1790 CCS John Deere S770
Henry Everman Dansville, NY	251.9882	DEKALB DKC64-34RIB	SSRIB	Poncho 500	40000	—	Status, Resolve Q Roundup PowerMax	—	240/90/60 John Deere 1770NT John Deere 9770 STS
Panayiotis Ioannou Middleburgh, NY	230.7620	Dyna-Gro D35SS58RIB	SS-RIB	Accelaron	33500	—	Acuron Atrazine 4L	—	17/17/17 Case IH 1220 Case IH 1640
OKLAHOMA									
Michael Stokes Pauls Valley, OK	156.6858	Pioneer P1464VYHR*	AVBL,YGCB, HX1,LL,RR2	Accelaron +Poncho 250	28000	—	—	—	0/0/0 John Deere 1760 John Deere 9650
PENNSYLVANIA									
Jess A Powell Greenville, PA	266.8823	Pioneer P0574AMXT™	AMXT,LL,RR2	None	40000	Lamcap	Lexar	—	312/80/175 John Deere 1770NT John Deere S680
Gavin Mast Morgantown, PA	263.8039	Pioneer P1422AM™	AM,LL,RR2	Poncho 250	34000	—	Balance Flexx Trizmet II	—	265/0/40 John Deere 1750 MaxEmerge Plus Vacuum John Deere 9750 STS
Howard Deshong Elizabethtown, PA	263.1910	Pioneer P0843AM™	AM,LL,RR2	None	33106	—	Halex	—	0/0/0 John Deere 1770NT New Holland CR8080

The background of the advertisement is a close-up photograph of a green plant stem with several water droplets clinging to it. The lighting is soft, creating a bokeh effect with out-of-focus light spots in the background.

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Herbicide

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The BASF logo consists of a white square with a smaller white square inside it, followed by the letters "BASF" in a bold, white, sans-serif font.

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MaxEmerge™ 5e (electric) delivers improved population accuracy around curves without the hassle of chains, sprockets or hex shafts.

ExactEmerge™ gives you complete seed placement and depth control that matches your ground speed up to 10 mph.

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TOP THREE WINNERS BY CLASS

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
A: CONVENTIONAL NON-IRRIGATED										
SOUTH CAROLINA										
John Gause Scranton, SC	374.0775	Pioneer P1847VYHR*	AVBL,YGCB, HX1,LL,RR2	None	34000	—	—	—	300/150/200	John Deere 1700 MaxEmerge XP John Deere S670
William Thomas Cades, SC	212.2791	Pioneer P2089VYHR	AVBL,YGCB, HX1,LL,RR2	None	32500	—	—	—	200/80/100	John Deere 1700 MaxEmerge XP John Deere 9770
SOUTH DAKOTA										
Dean Bosse Elk Point, SD	277.6080	Pioneer P1197AM™	AM,LL,RR2	Capture+ Poncho 250	32500	—	2,4-D+Atrazine AAtrex+Roundup	—	220/70/50	Case IH 1250 Front-Fold John Deere 9760 STS
Brian Hefty Baltic, SD	274.4405	Hefty Seed H5812	VT2P	Accelaron+ Poncho 250	35000	—	Harness, Lumax EZ Roundup PowerMax	—	300/100/200	Case IH 1250 Case IH 8250
Ben LeBrun Flandreau, SD	270.5435	Channel 209-51VT2PRIB	VT2PRIB	Accelaron	33000	Brigade 2EC	Generic Roundup Volley ATZ Lite	Trivapro	155/75/40	John Deere 1770NT John Deere S680
TENNESSEE										
Madison Reed Elora, TN	328.8126	DEKALB DKC67-44	VT2P	Accelaron+ Poncho 250	37000	—	Halex GT	—	210/60/110	Kinze 3000 John Deere 9600
Bobby Woodall Decherd, TN	299.4812	AgriGold A6499 STXRIB	STXRIB	Accelaron+ Poncho 250	33000	Silencer	AAtrex 4L	Trivapro	260/100/100	Kinze 3600 John Deere 9670 STS
Russell Counce Lawrenceburg, TN	295.7653	AgriGold A6544 VT2RIB	VT2RIB	Poncho 500	32000	—	—	—	255/91/200	John Deere 1770 Front-Fold Flex John Deere S680
TEXAS										
Todd Kimbrell Jr Itasca, TX	233.2711	DEKALB DKC67-99	TRE	Accelaron+ Poncho 250	28000	—	Atrazine+Roundup	—	140/48/0	John Deere 1770 NT CCS John Deere S680
Justin Hansen Lorena, TX	218.0985	Dyna-Gro D57VP51	VT3P	Accelaron+ Poncho 250	24000	—	—	—	150/80/0	John Deere 1770NT John Deere S670
Keith Kresta Wharton, TX	201.4865	Pioneer P1847VYHR*	AVBL,YGCB, HX1,LL,RR2	Poncho 1250 +Raxil	25000	—	Acuron Cornerstone Plus	—	170/60/30	Case IH 1235 Stackbar Early Riser Case IH 2388
VIRGINIA										
Heath Cutrell Chesapeake, VA	381.4666	DEKALB DKC68-69	VT2P	Poncho 1250	38000	—	Atrazine, Resicore Roundup	—	300/90/200	Case IH 2140 Early Riser Case IH 8230
Ted Haberland Somerset, VA	288.6141	DEKALB DKC67-44RIB	VT2PRIB	None	35000	—	—	—	300/200/150	John Deere 1770 Conservation John Deere 9770
Theo Haberland Somerset, VA	271.8982	DEKALB DKC67-44RIB	VT2PRIB	None	35000	—	Corvus	Avaris	275/150/200	John Deere 1770 Conservation John Deere 9770
VERMONT										
Theodore Grembowicz North Clarendon, VT	155.9524	DEKALB DKC34-82RIB	VT2PRIB	None	28000	Capture LFR	Atrazine 4L Resicore	—	160/30/50	John Deere 1750 Drawn Conservation Case IH 2388
WASHINGTON										
J Aeschliman Coffax, WA	119.9172	DEKALB DKC27-54	RR2	Accelaron	34000	—	Roundup	—	118/33/33	John Deere 7000 Case IH Axial-Flow 7088
WEST VIRGINIA										
Chris Miltenberger Keyser, WV	309.8227	DEKALB DKC70-27RIB	VT2PRIB	Accelaron+ Poncho 250	35000	Capture LFR Lambda-Cy	AAtrex 4L, Callisto Gly Plus, Resolve Q	—	175/2/2	John Deere 1770NT John Deere S660



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CORN YIELD
CONTEST



First Place



BEN PRICE
Chillicothe, MO

323.0605 bu./acre
AgriGold A6572VT2RIB
Population: 30,000
Harvester: Claas Lexion 740

SUPERVISORS

Lee Rucker: Crop Adjustor, Rural Community Insurance

Matt Rardon: Ag Loan Officer, State Bank of Chillicothe

Based on his experiences with growing season weather this year, Ben Price hopes it never repeats. "It was just one big mess," he says. "It seemed like absolutely everything was working against us."

Amazingly, Price overcame the meteorological struggles and posted a yield of 323 bu./acre, earning top honors in this class.

Weather conditions were favorable early in the season. He got his contest field planted on April 15 which was fairly typical. "The corn got up and out of the ground quickly and we had a great stand," he says.

Price's contest field was on a rolling hill that slopes into a creek bottom. "Over the years, we've done a lot of waterway terrace and tiling work on our hilly ground," he says. "We don't have a lot of topsoil to work with so it's important for us to preserve what we have, not just for now, but for the future."

The weather troubles began roughly two weeks after planting. "It started raining on April 28 and kept going non-stop until June 1," he notes. "We had twenty inches of rain, about double what we'd normally get. It was cold, too. The corn just wasn't growing."

Two herbicide applications, one pre-emerge, the other when corn was knee-high, helped hold weeds in check through the rainy spell. "My dad (Randy) always preached about the importance of starting with a clean field," Price notes. "This year, it was definitely the thing to do."

For the next three weeks, the rains let up. Then, a major rain event on June 23 was followed by a solid month of dry weather. "And it was hot," Price says. "We had a lot of days with temperatures at 90 degrees and higher."

On July 10, Price aerially applied Quilt fungicide onto the crop. "We weren't quite sure whether we wanted to spend the money given the conditions," he says. "The plants had started to fire on the bottom and were losing some lower leaves. We decided to go ahead because we had planted early and we were seeing some good-looking ears. The fungicide kept the plants healthy and green and helped them hang on through the dry weather."

Steady rains started again on July 23 and continued all the way through September. "That was a crucial month for us this year," Price says. "It was one of the warmest Septembers on record and maybe one of the wettest. That combination pushed us all the way through black layer and added a lot of weight to the kernels."

Basics Add Bushels

- Take advantage of optimum conditions to plant as early as possible.
- Hold weeds in check with timely herbicide applications.
- Weigh the risks/rewards of using fungicides.

Second Place

TIM APPELL
Shullsburg, WI

322.2517 bu./acre
DEKALB DKC64-34RIB
Population: 38,000
Harvester: Case IH 8230

SUPERVISORS

Jennie Pete: Ag Loan Officer, Mound City Bank

Jackie McCarville: Green County Educator, University of Wisconsin Extension

Challenging weather had Tim Appell wondering at times whether he'd have any corn crop at all, much less a contest winning yield. In the end, the crop pulled through, delivering a yield of 322 bu./acre and a second-place award in this class.

Cold and wet conditions delayed planting by a full week. Three days after planting, a storm dropped a foot of snow on the contest field. "I was getting nervous," Appell relates. "Emergence was extremely slow. Some of that corn sat in the ground for two weeks before it finally popped through."

Conditions didn't improve. "We had rain after rain," Appell notes. "Even when it dried out a little, we didn't get anything in the way of sunlight or heat units."

Even so, while walking his contest field in late August/early September, Appell marveled at how good the corn looked. "It was incredible," he notes. "When I started harvesting, the number 300 kept coming up on the monitor. I was dumbfounded. The only explanation was that we had kept the plants healthy with our fungicide applications and timely nutrient applications."

Going forward, one of Appell's goals is to keep soils productive and healthy as possible via soil testing, planting cover crops and rotating crops. "This farm belonged to my grandparents," he says. "Keeping it productive is extremely important to me."

Third Place

BRIGITTE YOUNG
Erie, IL

318.0558 bu./acre
Pioneer P1366AM
Population: 34,000
Harvester: John Deere S680

SUPERVISORS

Dave Harrison: Resource Conservationist, Whiteside Soil and Water Conservation District

Mark Kieser: District Conservationist, Natural Resources Conservation Service

A straightforward approach, built around a handful of management basics, led Brigitte Young to a yield of over 318 bu./acre and third-place honors in this class.

Good soil in Young's contest field set the stage for high yield. "This is some of our better ground," she says. "It's a highly fertile soil with 4 to 4.5 percent organic matter. There's a slight slope to it, but it's tilled. We have good water drainage and very little erosion. Soil is a living organism. You have to keep it happy."

Due to an extremely wet spring, Young didn't plant her contest entry until May 15, almost a month later than normal. To help the entry get going, she put a starter fertilizer, containing micronutrients and an AgXPlore product (nutrients and biologicals), into the furrow at planting. She also put down 32 percent nitrogen plus sulfur (5's units of actual nitrogen) three inches to the side of the seed row with the planter. "The starter and extra nitrogen were key," says Young. "It's so important for the plant to get some nutrients right off the bat."

Young applied fungicide at V5 and again right after tasseling. "We were able to keep free of disease for the most part and the plants stayed green and healthy all the way through harvest," she says.

TOP THREE WINNERS BY CLASS

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
B: CONVENTIONAL NON-IRRIGATED*										
IOWA										
Ryan Burns Marion, IA	304.9298	Pioneer P1366AM™	AM,LL,RR2	Lumivia	34000	—	Cinch ATZ	—	0/0/0	John Deere 1790 CCS John Deere S680
David Wood Alburnett, IA	299.8291	Pioneer P1366AM™	AM,LL,RR2	Lumivia	32000	—	Atrazine 4L Cinch ATZ	—	0/0/0	John Deere 1790 CCS John Deere S780
Erik Christian Story City, IA	297.7829	Pioneer P1366AM™	AM,LL,RR2	LumiGEN	34000	—	Atrazine 4L Halex GT, Resicore	—	300/120/120	John Deere 1770 John Deere 9570 STS
ILLINOIS										
Brigitte Young Erie, IL	318.0558	Pioneer P1366AM™	AM,LL,RR2	None	33500	—	Bicep II Magnum Callisto+Roundup	Approch Prima	180/190/140	John Deere 1770NT John Deere S680
Paul Young Erie, IL	315.5412	Pioneer P1197AM™	AM,LL,RR2	None	33500	—	Bicep II Magnum Callisto+Roundup	Approch Prima	180/140/190	John Deere 1770NT John Deere S680
Braden Short Norris City, IL	308.2772	AgriGold A6711 VT2PRO	VT2PRO	None	34500	—	—	—	300/100/125	Case IH 1250 Front-Fold Early Riser Case IH 8240
INDIANA										
Matt Hart Montgomery, IN	317.1535	Stewart Seeds 15DP519	VT2PRIB	Acceleron	35000	Fastac	Generic Roundup	Delaro	320/100/140	John Deere 1770NT Case IH 8230
Kyle Lang Mount Vernon, IN	294.9882	AgriGold A6544 VT2RIB	VT2RIB	VOTiVO	36000	—	Atrazine 4L, Barrage Halex GT, Lexar Roundup	CoRoN Quadris	220/150/150	John Deere 1775NT John Deere S680
Chris Cooper Haubstadt, IN	290.0807	AgriGold A644-32TRCRIB	Trecepta RIB	Poncho 500	36000	—	—	—	0/0/0	John Deere 1770NT Case IH 7240
MINNESOTA										
Janneke Sobeck Winona, MN	284.5355	DEKALB DKC62-20RIB	VT2PRIB	Acceleron+ Poncho 250	37000	—	AAtrex, Resicore Roundup	—	250/48/150	Kinze 3600 Case IH Axial-Flow 5088
Lowell Fabian Saint Charles, MN	280.8579	Pioneer P0688Q™*	Q,LL,RR2	Cruiser+Raxil	34000	Force 3G	Resicore SureStart	—	250/250/150	John Deere 1790 CCS John Deere S780
Troy Field Minnesota Lake, MN	279.0614	Pioneer P0688AM™*	AM,LL,RR2	Cruiser 250/Raxil	35000	—	DiFlexx Dual	—	179/0/0	Case IH 1250 Case IH 8120
MISSOURI										
Ben Price Chillicothe, MO	323.0605	AgriGold A6572 VT2RIB	VT2RIB	Acceleron+ Poncho 250	30000	—	—	—	275/150/180	Kinze 3600 Claas Lexion 740
David Brand Glasgow, MO	287.5146	DEKALB DKC67-44RIB	VT2PRIB	Acceleron	33500	—	—	—	200/0/0	John Deere 1770 NT CCS John Deere S770
Zach Grossman Tina, MO	280.9184	Channel 213-19VT2P	VT2P	Acceleron+ Poncho 250	34000	Warrior	Callisto+Roundup Lexar	Trivapro	200/60/80	John Deere 1750 MaxEmerge Plus John Deere 9550
OHIO										
Cory Atley Cedarville, OH	314.5543	DEKALB DKC63-57RIB	VT2PRIB	Acceleron+ Poncho 250	38300	Capture LFR	Atrazine 4L Corvus	—	330/75/70	John Deere DB60 Fendt 9T
Shawn Houck Monroeville, OH	276.8047	Pioneer P1197AM™	AM,LL,RR2	None	34000	—	—	—	235/200/200	John Deere 1770NT John Deere S680
Alan Borton Wilmington, OH	274.3304	DEKALB DKC64-34RIB	SSRIB	Acceleron+ Poncho 250	36000	—	—	—	230/120/180	John Deere 1775NT John Deere S780
WISCONSIN										
Tim Appell Shullsburg, WI	322.2517	DEKALB DKC64-34RIB	SSRIB	Acceleron	36000	—	Acuron Roundup PowerMax	Trivapro	180/120/180	Kinze 3200 Case IH 8230
Randy Budden Cuba City, WI	297.8497	Pioneer P1366AMXT™	AMXT,LL,RR2	Cruiser 250/Raxil	40000	—	Acuron Roundup PowerMax	Stratego YLD	0/0/0	Monosem NG Plus Pull Type John Deere 9660
Ron Digman Mount Hope, WI	293.2836	Pioneer P1366Q™	Q,LL,RR2	Lumivia	36000	—	Halex	—	120/0/0	John Deere 7200 Case IH 2388

First Place



DREW HAINES

Middletown, MD

422.3521 bu./acre
DEKALB DKC68-69RIB
Population: 38,000
Harvester: John Deere 9500

SUPERVISORS

Kellie Wilson: Ag Loan Officer,
Mid Atlantic Farm Credit
Matt Morris: Extension Agent,
Frederick County

With a yield of over 422 bu./acre Drew Haines keeps his string of first place contest finishes alive. This marks the fourth straight year that he's won top honors in one of the contest classes.

Mostly favorable growing season weather gave Haines a leg up in producing this year's award-winning yield in the no-till non-irrigated class. Wet conditions delayed planting by about a week. "But the corn came up quickly and took off running," Haines notes. "We had one of the nicest stands I've ever seen coming out of the ground."

Through the rest of the spring and most of the summer, Haines couldn't have asked for better conditions. "We had some rainy days along the way, but they came when they were needed," he relates. "We got heat, with a lot of days of highs in the 80s and 90s. Best of all, we had plenty of sunshine."

His biggest weather break came at pollination. "We had a week of cool weather," he says. "After all of the heat, it felt like someone had flipped a switch and turned on an air conditioner."

Haines planted DEKALB DKC68-69RIB, a hybrid he had grown in one of his on-farm test plots the year before. "It gave us some of the biggest (girth) ears I've ever seen," says. "The kernel size is huge, too."

Starter fertilizer was a key component of Haines' high yield game plan. Along with a 39-46-60 blend of dry fertilizer put out with the planter, he also made an in-furrow application

consisting of three gallons of a 6-24-6 carrier mixed with an AgXplore micronutrient package.

Once the planter left the field, Haines carried out all of his nutrient applications with a helicopter. "With no-till, you have to be careful about compaction," he says. "The soil is what pays you back for everything you're doing. If you don't have good, healthy soil, you don't have anything."

Haines used this year's contest to take a closer look at two "home-brewed" products in his nutrient management program. He applied one he calls "dillweed juice" at pre-tassel and again at brown silk to keep plants alive longer into the season and boost test weights. The other, a sugar-enhanced blend he refers to as "nectar," was applied in-furrow and with foliar feedings at critical plant growth stages to help soil microbes break down residues and raise plant brix (carbohydrate) levels. "The contest gives us a way to tweak some things on limited acres and helps decide what we might want to use on all of our acres," he says.

Basics Add Bushels

- Start corn out right with starter fertilizers.
- Minimize compaction in no-till.
- Use the contest to evaluate new practices and products.

Second Place

CHRIS SANTINI

Stewartsville, NJ

344.5161 bu./acre
Pioneer P1464AML
Population: 38,000
Harvester: John Deere S760

Chris Santini returns to the contest winners' circle this year for the first time since 2011. Her yield of 344 bu./acre nets a second-place award in this class.

A cool and wet spring kept Santini from planting her contest field until May 17, more than two weeks later than she would have liked. "We were anxious to get going," she says. "But with our no-till ground, we wanted to stay off the field to avoid compaction. It makes emergence tougher. We've worked hard building up our soils. We don't want to do anything that will set us back."

To help the crop get going in the wet conditions, Santini ran five gallons per acre of a 6-21-4 starter fertilizer, plus two pounds of sulfur and .6 pounds of zinc, into the furrow at planting. To help with emergence and root mass, she included InVigoronZM2, Periscope and GrowForce Zn/Mo with the starter. "Our goal is to get plants out of the ground quickly and have nutrients right there for them at the start so they can take off," she says.

Chris has been entering the national yield contest for almost 30 years. "It's helped us become better farmers," she says. "And we've made a lot of friends with people from around the country who have the same kind of passion for growing corn that we do."

SUPERVISOR

Hank Bignell: Extension Agent, Warren County

Robert Mickel: Retired Extension Agent, Warren County

Third Place

DARREN CHARLES

Lancaster, PA

335.9360 bu./acre
DEKALB DKC62-52RIB
Population: 37,000
Harvester: Case IH 8010

Taking advantage of near-perfect weather was Darren Charles' ticket to a yield just shy of 336 bu./acre and a third-place award in this class. It's his first-ever national contest win.

"This is one of the best years we've ever had for weather," Charles says. "We had lots of sunshine almost all the way through the season, and we kept getting enough in the way of small rains at just the right time to keep the crop going. We couldn't have asked for anything more."

For Charles, building the winning entry started with making the most of healthy, productive soils. No-till, planting cover crops and utilizing tissue samples to address nutrient shortcomings during the growing seasons are mainstay practices in his corn growing program. "The way we see it, the healthier the soil is, the more profitable we'll be," he says.

Charles planted DEKALB DKC62-52RIB at 37,000 seeds/acre. "This was the first time we've planted it," he says. "Yield is the first thing we look at in a variety and this number did very well in test plots in our area last year. It's also a short-statured variety which makes it a good fit with no-till. It gives you less residue to deal with when you get into the field the next year."

SUPERVISORS

Leon Ressler: Extension Agent, University of Pennsylvania

Wesley Martin: Agronomist, Self-employed

TOP THREE WINNERS BY CLASS

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
C: NO-TILL NON-IRRIGATED										
ALABAMA										
Janson Patterson Meridianville, AL	288.7974	AgriGold A6499 VT2PRO	VT2PRO	None	31000	—	—	—	0/0/0	John Deere 1790 CCS Case IH 8240
Ben Haynes Cullman, AL	266.2261	Pioneer P1637VYHR	AVBL,YGCB, HX1,LL,RR2	Amplify+ Poncho 250	26125	—	Atrazine 4F, Halex Roundup PowerMax, Verdict	—	191/60/120	Kinze 3600 Case IH 2588
Jamie Roberts Fort Payne, AL	238.1396	Pioneer P2089VYHR	AVBL,YGCB, HX1,LL,RR2	Apron Max +Poncho 250 +SabroEX	27075	Grizzley	Atrazine 4F, Laudis Atrazine 4L, Charger Max Roundup, Select, Sharpen	—	186/115/150	Kinze 3500 John Deere S670
ARKANSAS										
Danny Simpson Rector, AR	251.8557	Pioneer P2089VYHR	AVBL,YGCB, HX1,LL,RR2	Poncho 250	29000	—	Atrazine+Roundup	—	250/150/100	John Deere 1720 MaxEmerge XP John Deere S690
George Williamson Mellwood, AR	250.8928	Pioneer P1847VYHR*	AVBL,YGCB, HX1,LL,RR2	Cruiser Extreme 250	32000	—	Atrazine 4L Halex GT	—	220/30/60	Kinze 3600 John Deere 9860
Scott Williamson Eads, TN	249.0481	Pioneer P1847VYHR*	AVBL,YGCB, HX1,LL,RR2	Cruiser Extreme 250	32000	—	Atrazine 4L Halex GT	—	220/30/60	Kinze 3600 John Deere 9860
COLORADO										
Jason Kramer Bethune, CO	163.9114	DEKALB DKC64-89RIB	VT2PRIB	Poncho 250	13000	—	Credit Extra	—	100/20/0	John Deere 1770NT CCS ProXP John Deere S680
Byron Kramer Bethune, CO	160.4208	DEKALB DKC64-89RIB	VT2PRIB	Poncho 250	13500	—	Credit	—	110/15/0	John Deere 1770NT CCS ProXP John Deere S680
Kyle McConnell Haxtun, CO	154.6144	Pioneer P0622AML™	AML,LL,RR2	None	13500	—	—	—	60/20/0	Case IH 1235 Stackbar Early Riser New Holland CR8090
DELAWARE										
Aaron R Thompson Hartly, DE	259.5811	Channel 215-60TRERIB	TRERIB	Accelaron+ Poncho 250	27000	—	AAtrex+Atrazine	—	150/0/15	Kinze 2500 Gleaner R62
Whitney Snow Smyrna, DE	254.7407	Pioneer P1464AM™*	AM,LL,RR2	PPST 250	34000	Bifenthrin 2EC Lambda	Atrazine 4L Roundup, Zidua	Headline AMP Priaxor	240/81/70	John Deere 1770NT John Deere S660
Sherry Hudson Frankford, DE	225.3234	DEKALB DKC67-44RIB	VT2PRIB	None	34500	—	2,4-D Ester, Harness Xtra Atrazine 90 DF, Roundup Gramoxone Extra	—	225/0/100	John Deere 1790 CCS John Deere 9770 STS
FLORIDA										
Ann McLeod Ochlocknee, GA	224.5867	Pioneer P1662YHR	YGCB,HX1, LL,RR2	Cruiser+Poncho	26995	—	2,4-D Amine 4, Glyphos Atrazine 4L, Outlook	—	210/90/225	Monosem Twin Row John Deere 9870
KANSAS										
Jason Taylor White Cloud, KS	284.0653	Taylor Seed Farms 8835	VT2Pro RIB	Cruiser MAX	34000	—	Atrazine+Impact FulTime, Roundup PowerMax	—	215/70/60	John Deere 1775NT Case IH 7230
Dean or Victor Menold Hiawatha, KS	279.8370	Beck's Hybrids 6589VT2P	VT2P	Poncho 500 +Nemasect+Poncho 2.0	32000	—	2,4-D+Atrazine Halex GT	Trivapro	255/0/0	John Deere 1790 CCS John Deere S670
Robert Henry Robinson, KS	245.6668	Pioneer P1563AM™*	AM,LL,RR2	Poncho 1250 +VOTIVO	32000	—	—	—	180/60/50	Case IH 1250 Front-Fold Early Riser Claas 740
KENTUCKY										
Jake Hunt Bowling Green, KY	319.8948	DEKALB DKC65-95RIB	VT2PRIB	Accelaron+ Poncho 250	34000	Mustang MAX	AAtrex NineO DF Abundit, Leadoff Realm Q	Approch Prima	250/150/100	Kinze 4900 Case IH 8230
David Sparks Owensboro, KY	298.3960	DEKALB DKC68-69RIB	VT2PRIB	Accelaron	34000	Tundra	Acuron Roundup PowerMax	—	231/80/105	John Deere 1770 NT CCS John Deere S680
Jordan Hancock Fulton, KY	298.0571	DEKALB DKC62-08	SS	Accelaron+ Poncho 250	42000	—	—	—	0/0/0	John Deere 1770 Case IH 8240





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TOP THREE WINNERS BY CLASS

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
C: NO-TILL NON-IRRIGATED										
LOUISIANA										
Stanley Johnson Monroe, LA	211.5848	Pioneer P0805AM™	AM,LL,RR2	None	30000	—	—	—	225/0/60	Case IH 1230 Stackbar Early Riser Case IH 8230
Danny Schexnayder Erwinville, LA	195.2256	DEKALB DKC67-44	VT2P	None	35000	—	Atrazine 90 WDG Medal II, Roundup PowerMax	—	0/0/0	John Deere 1700 MaxEmerge XP John Deere S680
MASSACHUSETTS										
Wanda Llewelyn Northfield, MA	324.3783	Pioneer P9840AM™	AM,LL,RR2	None	40000	—	Lumax EZ	—	220/37/230	John Deere 7200 MaxEmerge 2 Vacuum, John Deere 9500
MARYLAND										
Drew Haines Middletown, MD	422.3521	DEKALB DKC68-69RIB	VT2PRIB	Acceleron+ Poncho 250	38000	—	—	—	380/120/300	John Deere 7200 Conservation John Deere 9500
Brad Rill Hampstead, MD	311.0830	DEKALB DKC67-44RIB	VT2PRIB	PPST 250	34000	Asana XL	2,4-D LV Ester Atrazine 4L Helmquat 3SL Helosate Plus Resolve Q, Stealth	Approach Trivapro	195/0/0	John Deere 1770NT John Deere S680
William Willard Poolesville, MD	295.8012	DEKALB DKC64-35RIB	VT2PRIB	Acceleron+ Poncho 250	31000	Warrior II	AAtrex 4L, Lumax Gramoxone SL 2.0	Trivapro	325/90/165	John Deere 1795 John Deere S670
MICHIGAN										
Alvin Ferguson Allenton, MI	266.1354	Pioneer P0688AM™*	AM,LL,RR2	Poncho 1250 +Raxil	32900	—	Atrazine, Capreno Roundup PowerMax	—	165/100/200	Kinze 3600 Case IH 9240
Jay Ferguson Yale, MI	264.1950	Pioneer P0157AM™	AM,LL,RR2	Poncho 1250 +Raxil	33250	—	Atrazine, Capreno Roundup PowerMax	—	165/100/200	Case IH 1250 Front-Fold Early Riser Case IH 9240
Matt Scharl Lawrence, MI	256.4368	DEKALB DKC48-57RIB	VT2PRIB	Acceleron +Poncho 250	32000	—	Halex GT Roundup PowerMax	—	300/55/200	John Deere 7200 John Deere 6620 Titan 2
MISSISSIPPI										
Adam Hurt Senatobia, MS	278.1718	AgriGold A644-32TRC	Trecepta	Poncho 500	37000	—	—	—	260/0/0	Monosem Twin Row John Deere S670
Michael Williams Coldwater, MS	275.1286	Croplan Seed 5678VT2PRIB	VT2PRIB	Poncho 250	39000	—	—	—	240/38/135	Great Plains YP-625A John Deere S670
MONTANA										
Dallas Enos Baker, MT	103.4256	Pioneer P8234AM™	AM,LL,RR2	Lumivia	18000	—	Atrazine 4L, Dicamba DMA Durango DMA, Status	—	70/20/10	John Deere 1770 NT CCS John Deere 9870 STS
Marcus Vogel Ballantine, MT	69.4858	Pioneer P8639AM™	AM,LL,RR2	PPST 250	14000	—	Mad Dog	—	0/0/0	John Deere 1720 CCS Stack-Fold John Deere 9650 STS
NORTH CAROLINA										
Isaac Boerema Pantego, NC	307.2850	DEKALB DKC67-44	VT2P	Poncho 1250 +VOTIVO	38500	Sniper	Barrage HF Laudis, Roundup Sharpen	Headline AMP	260/60/60	John Deere DB44 Case IH 8120
Dennis Boerema Pantego, NC	305.2941	DEKALB DKC70-27	VT2P	Poncho 1250 +VOTIVO	36000	Sniper	Laudis, Roundup Salvo	Headline AMP	260/40/40	John Deere DB44 Case IH 8120
Ed Wood Andrews, NC	283.9337	DEKALB DKC63-57	VT2P	Poncho 1250	30500	Bifenture	Brawl II ATZ, Peak Buccaneer Plus, Rifle	Priaxor	233/13/71	John Deere 1780 Drawn Rigid Gleaner R52
NORTH DAKOTA										
Amy Frauenberg Lamoure, ND	281.8601	DEKALB DKC44-80RIB	VT2PRIB	Acceleron +Poncho 250	35000	—	Atrazine+Roundup Harness	—	225/78/90	John Deere DB66 Case IH 9230
NEBRASKA										
Marvin and Glenn Wiles Plattsmouth, NE	295.9138	DEKALB DKC60-88RIB	VT2PRIB	Acceleron +Poncho 250	40000	—	Degree Xtra	—	225/50/25	John Deere 1795 John Deere S770

TOP THREE WINNERS BY CLASS

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
C: NO-TILL NON-IRRIGATED										
Jeff Baker Pender, NE	284.5344	DEKALB DKC70-27RIB	VT2PRIB	Acceleron Elite Nemostrike	38500	—	Callisto+Roundup Harness Xtra	—	220/80/80	John Deere 1795 John Deere 9770 STS
Dylan Lempka Sterling, NE	280.8031	Pioneer P1828AM™	AM,LL,RR2	PPST 250	28000	—	Atrazine Atrazine+Calisto Lexar+Roundup	Approach	242/0/0	John Deere 1720 CCS John Deere S670
NEW HAMPSHIRE										
Mary E Llewelyn Northfield, MA	253.7070	Pioneer P9998AM™	AM,LL,RR2	None	40000	—	Lumax EZ	—	220/37/230	John Deere 7200 MaxEmerge 2 Vacuum, John Deere 9500
NEW JERSEY										
Chris Santini Stewartsville, NJ	344.5161	Pioneer P1464AML™*	AML,LL,RR2	Cruiser +Herculex I	38000	—	—	—	350/70/70	John Deere 1780 MaxEmerge Plus Vacuum, John Deere S770
Robert Santini Phillipsburg, NJ	311.4301	Pioneer P1197	CONV	None	47000	—	AAtrax Guardsman	Headline	150/0/0	John Deere 1790 CCS John Deere 9670
NEW MEXICO										
Craig Breshears Portales, NM	55.3521	Pioneer P1138AM™	AM,LL,RR2	None	14357	—	Atrazine Dual	—	65/20/20	Case IH 1200 Case IH Axial-Flow 7088
NEW YORK										
John Macauley Mount Morris, NY	229.3126	LG Seeds LG5470VT2RIB	VT2RIB	Poncho 250	33000	—	Atrazine 4L, Capreno Glyphosate	—	194/84/90	John Deere 1770NT John Deere 9500
OKLAHOMA										
Cody Sloan Gore, OK	210.5316	Pioneer P1847VYHR*	AVBL,YGCB, HX1,LL,RR2	Poncho 1250 +VOTIVO	32000	—	Resicore	Trivapro	200/0/0	John Deere 1770 NT CCS John Deere S670
Jeff Jantz Chickasha, OK	198.5980	Pioneer P2089VYHR	AVBL,YGCB, HX1,LL,RR2	Poncho 250	24000	—	Atrazine 4L, Callisto Dual, Roundup Original	—	150/0/0	John Deere 1770NT John Deere 9600
PENNSYLVANIA										
Darren Charles Lancaster, PA	335.9360	DEKALB DKC62-52RIB	SSRIB	Acceleron +Poncho 250	37200	—	Acuron, Halex GT Gly Star Plus	Miravis Priaxor	275/0/0	Case IH 2150 Early Riser Front Fold Case IH 8010
Clifford Charles Lancaster, PA	335.0168	Pioneer P1197AM™	AM,LL,RR2	Poncho 1250 +VOTIVO	38000	—	Acuron, Halex GT Gramoxone SL 2.0	Miravis Priaxor	300/50/50	Case IH 2150 Early Riser Front Fold Case IH 8010
Nelson Beam Elverson, PA	310.8835	Pioneer P0843AM™	AM,LL,RR2	Poncho 250	32000	Lorsban 15G	2,4-D LV+Crop Oil Acuron, Atrazine 4L Roundup Ultra	Miravis	225/20/0	John Deere 1775NT John Deere 9550
SOUTH CAROLINA										
Tyler Seagroves Marion, SC	245.0806	Croplan Seed 5678VT2PRIB	VT2PRIB	None	32000	—	Atrazine, Callisto Roundup	Priaxor Trivapro	300/50/150	Case IH 1235 Stackbar Early Riser Case IH 2388
SOUTH DAKOTA										
Scott McKee Hawarden, IA	291.8151	Pioneer P1082AM™	AM,LL,RR2	Cruiser +Herculex I	35200	—	Callisto Xtra Roundup WeatherMax	—	0/0/0	Case IH 955 Vertical-Fold Case IH 2366
Richard Arneson Tulare, SD	217.4312	DEKALB DKC44-80RIB	VT2PRIB	Acceleron +Poncho 250	27200	—	Harness Xtra 6.0, Status Roundup PowerMax, Sterling Blue	—	160/60/30	John Deere 1770NT CCS ProXP John Deere S670
Garrett Masat Redfield, SD	215.8333	DEKALB DKC50-09RIB	VT2PRIB	Acceleron +Poncho 250	34000	—	Atrazine 4L, Resicore Cornerstone Plus, Sterling Blue	—	101/0/0	Case IH 1260 Front-Fold Early Riser Case IH 2188
TENNESSEE										
John Verell Jackson, TN	320.8325	Pioneer P1197YHR	YGCB,HX1, LL,RR2	Cruiser 250/Raxil	34000	—	—	—	310/200/250	John Deere 1795 John Deere S780
Allen Verell Jackson, TN	297.2656	Pioneer P1197YHR	YGCB,HX1, LL,RR2	Cruiser 250/Raxil	34000	—	—	—	310/200/250	John Deere 1795 John Deere S780
Ethan Tanner Union City, TN	296.9665	DEKALB DKC70-27	VT2P	Acceleron	32000	—	Capreno	—	285/50/120	John Deere 1770NT Case IH 8240

TOP THREE WINNERS BY CLASS

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
C: NO-TILL NON-IRRIGATED										
VIRGINIA										
Guy Gochenour Woodstock, VA	306.3230	DEKALB DKC70-27RIB	VT2PRIB	None	36000	—	—	—	300/0/0	Kinze 3600 John Deere 9560
Timmy French Woodstock, VA	295.7821	DEKALB DKC70-27RIB	VT2PRIB	None	36000	—	—	—	250/0/0	Kinze 3600 John Deere 9510
Shane Richman Edinburg, VA	266.7424	DEKALB DKC70-27RIB	VT2PRIB	None	33000	—	—	—	225/0/0	Kinze 3500 John Deere 9650 STS
WASHINGTON										
John Aeschliman Colfax, WA	121.2181	DEKALB DKC27-55RIB	VT2PRIB	Amplify +Poncho 250	35000	—	—	—	113/33/33	John Deere 7000 Conservation Case IH 7088
WEST VIRGINIA										
Justice Family Farms Daniels, WV	273.2937	DEKALB DKC65-20	DG-VT2P	Amplify D +Poncho	34000	—	2,4-D+Roundup	—	350/175/200	John Deere 1700 MaxEmerge Vacuum Cat Lexion 730
Paul Miltenberger Keyser, WV	270.2873	DEKALB DKC70-27RIB	VT2PRIB	Acceleron +Poncho 250	34300	Capture LFR Lambda-Cy	AAtrex 4L, Callisto Gly Plus, Resolve Q	—	125/2/2	John Deere 1770NT John Deere S660
Ronald Widmyer Charles Town, WV	224.7125	Pioneer P1197AM™	AM,LL,RR2	Poncho 250	31000	—	Lexar, Princep 4L Roundup PowerMax	—	200/90/90	John Deere 1770 Conservation Case IH 1660
WYOMING										
Lee Peterson Albin, WY	109.3012	Pioneer P9188AM™	AM,LL,RR2	Cruiser +Poncho	16000	—	Clarity Durango DMA	—	70/30/0	John Deere 1770NT John Deere 9770 STS

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First Place



MATTHEW SWANSON
LaHarpe, IL

330.4345 bu./acre
Pioneer P1197
Population: 36,000
Harvester: Claus Lexion 750

SUPERVISORS

Kent Wildrick: Crop Insurance Agent, Country Mutual Insurance

Ron Stone: Retired Ag Loan Officer, First State Bank

Matt Swanson had to wait out the weather to get his contest entry into the ground, but the delay proved to be of little consequence. His yield of 330-plus bu./acre propelled him to a first-place finish in this class.

Historically, Swanson has targeted the last week of April through the first week of May for the start of planting. This year, a drawn-out stretch of cool, wet weather (nearly continuous rain from April 23 through May 24) kept him out of his contest field until June 6. "It's hard to sit around and wait for things to warm up and dry out," he says. "But every time I've pushed it, I've found out that I should have waited."

Swanson planted at a variable rate of 36,000 seeds/acre (average) in 15-inch rows. "This was our second full year with the narrower rows," he notes. "It spaces plants out so there's more sunlight penetration into the canopy. The spacing also means they're not all trying to pull from the same small area of nutrients."

Using water (rainfall) more efficiently is another benefit of throttling back populations. "We keep resource conservation at the forefront at all times," says Swanson. "I have little kids. When I turn this place over to them, I want it to be in better shape than when I got it."

His contest hybrid, **Pioneer P1197**, was a good fit for the 15-inch rows. "We like the large leaves," he says. "They give us an early canopy which helps capture lots of sunlight."

As a starter, Swanson put a mix of biological products and low-rate fertilizer in the furrow. In a second placement, he used Precision Planting's Conceal (a nutrient placement device) to place N-P-K, plus micronutrients, two inches to the side and three-quarters of an inch below the seed depth. "Our goal is to get the first third to first half of the nutrients we'll need for the season on with that row support," he explains. "We try to trick the plant into thinking that it has all the nutrients it will need so that it will get to work right away setting large ears."

It didn't take Swanson long to see that his two-product/two-placement strategy, coupled with the care he took to get seeds placed just so during planting, would pay off. "The corn was out of the ground in three days and the stand was near-perfect," he says. "I had a good feeling right then that we were on our way to a great yield."

Basics Add Bushels

- Plant according to conditions, not the calendar.
- Choose hybrids that match up with your management practices.
- Deliver nutrients to the plant early with starter fertilizer.

Second Place

JUSTIN BORGES
Marshall, MO

310.4620 bu./acre
AgriGold A646-12VT2PRO
Population: 33,000
Harvester: Case IH 5140

Justin Borges kept his expectations in check this spring when he entered the yield contest for the first time. Instead, Borges registered a yield of more than 310 bu./acre, good enough for a second-place finish in this class. "It was pretty exciting," he says.

In producing his winning yield, Borges focused first on getting the crop off to a fast start. A few weeks ahead of planting, he took his **John Deere 1780** six-row planter into the shop for a thorough once-over. "We do everything we can to make sure it's working just right when we get into the field," he says.

Cool and wet spring weather kept Borges off his contest field until April 25. "We usually try to get going with planting in mid-April," he says. "We probably could have planted two days earlier. But we decided to wait until we had optimum soil conditions to give the plants a better chance of coming up evenly and at the same time."

At planting, Borges laid a liquid pop-up fertilizer, along with calcium and micronutrients, into the furrow. "It gives the seed a little more kick to get going," he says. "That's especially important in a year when the weather is less than ideal. We also believe it helps with stalk quality and makes for a healthier plant overall."

SUPERVISORS

Marc Jensen: Ag Loan Officer, FCS Financial

Carolyn Mullins: Ag Loan Officer, FCS Financial

Third Place

JONATHAN BORGES
Marshall, MO

305.0827 bu./acre
AgriGold A6659VT2RIB
Population: 33,000
Harvester: Case IH 5140

Growing contest corn was a father and son activity for Jonathan Borges and his son, Justin, this year. And they did well. To go along with Justin's second-place finish in this class, Jonathan posted a yield of just over 305 bu./acre and notched a third-place award.

"We've been doing a lot of experimenting on our own over the past several years to see where we might make some gains in yield," Borges says. "We thought this would be a good year to enter the contest to see how we measure up."

For a hybrid, Borges chose AgriGold A6659VT2RIB. "It showed a lot of promise for yield," he notes. "And we liked its standability. We can get some wind on our hillier ground."

Borges is already making plans for next year's contest. Among other things, he wants to experiment with making multiple applications of fungicides. "We made one fly-on application (at tassel) of **Headline Amp** this year, and were enthused with what we saw," he notes.

He'll also continue improving his soils. "It's been a priority for us in the 25 years we've been here," he says. "Our organic matter level is greater than 4 percent and we're holding erosion in check. It's not something you can start one year and then expect to achieve great results. But if you stick with it, you will be more productive."

SUPERVISORS

Marc Jensen: Ag Loan Officer, FCS Financial

Carolyn Mullins: Ag Loan Officer, FCS Financial

TOP THREE WINNERS BY CLASS

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
D: NO-TILL NON-IRRIGATED*										
IOWA										
Kyle Clayton Walnut, IA	299.7565	AgriGold A644-32TRCRIB	Trecepta RIB	Acceleron	34500	—	—	—	225/80/80	Kinze 4900 John Deere S670
Gary Ausdemore Persia, IA	299.0862	Pioneer P1366AM™	AM,LL,RR2	LumiGen 250	31500	—	—	—	220/100/140	John Deere 1770NT John Deere 9670 STS
Robert Jensen Neola, IA	289.1602	DEKALB DKC63-57RIB	VT2PRIB	None	35000	—	—	—	160/100/100	John Deere 1790 CCS John Deere S660
ILLINOIS										
Matthew Swanson LaHarpe, IL	330.4345	Pioneer P1197	CONV	None	33500	—	Harness Xtra 6.0	—	220/40/50	John Deere 1790 CCS Claas Lexion 750
Nicholas Close Reynolds, IL	287.8428	Pioneer P1197	CONV	Poncho 1250 +VOTiVO	35000	—	—	—	0/0/0	John Deere 7000 John Deere 9870 STS
Steve Ayers Monticello, IL	279.2314	FS InVISION FS 63ZX1	SSRIB	None	35000	—	—	—	0/0/0	Case IH 1250 Case IH 8230
INDIANA										
Terry Vissing Marysville, IN	298.3466	AgriGold A641-06 VT2RIB	VT2RIB	Poncho 500	34000	—	—	—	240/100/150	John Deere 1790 CCS John Deere 9670 STS
Wally Linneweber Vincennes, IN	298.3315	Pioneer P1847AML™**	AML,LL,RR2	Amplify D +Poncho 1250	38000	—	—	—	200/50/50	John Deere 1795 John Deere 9660 STS
Nathan Hart Montgomery, IN	287.4749	Stewart Seeds 15DP519	VT2PRIB	Acceleron	34000	Fastac	Generic Roundup	Delaro	350/100/120	John Deere 1770NT Case IH 8230
MINNESOTA										
Chris Sobeck Winona, MN	286.2056	DEKALB DKC62-20RIB	VT2PRIB	Acceleron +Poncho 250	37000	—	AAtrex, Resicore Roundup	—	250/48/150	Kinze 3600 Case IH Axial-Flow 5088
Jason Levan Elgin, MN	282.1492	DEKALB DKC54-36	CONV	Acceleron +Poncho 250	36000	—	AAtrex, Laudis TripleFLEX	—	180/17/90	Kinze 3600 John Deere 6600 SideHill
Dan Fohrman Dover, MN	264.7184	DEKALB DKC54-74RIB	VT2PRIB	Acceleron	34500	—	Roundup PowerMax Headline AMP	182/77/94	John Deere 7200 Case IH 2588	
MISSOURI										
Justin Borges Marshall, MO	310.4620	AgriGold A646-12 VT2PRO	VT2PRO	None	33500	—	—	—	250/0/0	John Deere 7200 Case IH 5140
Jonathan Borges Marshall, MO	305.0827	AgriGold A6659 VT2RIB	VT2RIB	None	33000	—	—	—	250/0/0	John Deere 7200 Case IH 5140
Clark Driskell Marshall, MO	299.6184	DEKALB DKC67-44RIB	VT2PRIB	Acceleron	34000	—	Halex GT Harness Xtra	Trivapro	210/100/100	Kinze 3660 John Deere S660
OHIO										
Luke Swaim Xenia, OH	282.1377	DEKALB DKC64-34	SS	None	38249	—	Atrazine, Corvus Roundup Max	—	0/0/0	John Deere 1795 Case IH 7240
Brett Piper Sunbury, OH	278.6894	Channel 213-19VT2PRIB	VT2PRIB	Acceleron +Poncho 250	33200	Warrior	2,4-D Salvo Acuron, Makaze	—	260/84/65	John Deere 1770 John Deere S770
Doug Seaman Vincent, OH	277.9998	DEKALB DKC58-34RIB	SSRIB	Acceleron	33000	—	Atrazine 4L Resicore, Roundup	Delaro	244/96/152	John Deere 7000 Case IH 2388
WISCONSIN										
Lori VanBogaert Belmont, WI	283.5022	DEKALB DKC60-88RIB	VT2PRIB	Acceleron	38000	—	Acuron Roundup PowerMax	Trivapro	180/120/180	Kinze 3660 John Deere S680
Rick DeVoe Monroe, WI	281.8804	Pioneer P1055AM™**	AM,LL,RR2	Poncho 250 +Raxil	34500	—	Durango Laudis Resicore	Avaris Trivapro	240/46/200	Case IH 2150 Early Riser Front Fold Case IH 8240
Kyle VanBogaert Belmont, WI	281.1681	DEKALB DKC62-20RIB	VT2PRIB	Acceleron	40000	—	Acuron Roundup PowerMax	Quadris Trivapro	180/120/180	Kinze 3660 John Deere S680

First Place



DOMINICK SANTINI
Phillipsburg, NJ

339.0991 bu./acre
Pioneer P1197
Population: 48,000
Harvester: **John Deere 9670**

SUPERVISORS

Hank Bignell: Extension Agent,
Warren County

Jay Rupell: Retired FFA Advisor

New Jersey generally doesn't come to mind as a state known for growing corn. But don't tell that to Dominick Santini. Not only does his home state grow corn, it grows champion yields as well. He claimed the top spot in this class with a yield of just over 339 bu./acre.

Unlike his counterparts in many parts of the country, Santini benefitted from great weather conditions for nearly the entire growing season. "We were a little wet going into planting," he notes. "But after that, things just kept getting better. For the season, we had sixty inches of rainfall (normal for his area is around forty inches). It was spaced out and came at just the right times. In between, we'd get plenty of sunshine. This corn really never had a bad day."

Santini's contest field was planted to soybeans the previous year. Right after soybean harvest he spread two and one-half tons per acre of poultry manure, then re-built his ridges for the upcoming corn crop. "We've been using the chicken manure for about a dozen years now," he explains. "It gives you a lot of nutrients. And when you couple it with ridge-till, you end up with a lot of organic matter out there that you can put to work. That's so important to us. If you don't take care of your soil, you can't expect good crops year after year."

Taking care to get his contest entry planted correctly was the starting point for Santini's

winning yield. He monitored planting speed closely to ensure seeds went into the ground at even spacing and uniform depth. "You have to make sure the planter is set just right before you get going," he says.

Santini describes his fertilizer program as relatively straightforward. Along with the poultry manure, he also used a starter fertilizer at planting. And he made three nitrogen applications of 100 units each—the first just ahead of planting, the next at pre-emergence and the final one when the corn was knee-high.

His hybrid of choice was **Pioneer P1197**. "We've had it for three or four years now," Santini says. "The varieties are getting better all the time, but there's something to be said for sticking with one that's been working for you. And if you look at the results in the contest in recent years, you'll see that a lot of the winners have been getting good results from this one. It will hold up in drought and also do well when moisture is abundant. It's just a good, all-around corn."

Basics Add Bushels

- Utilize poultry manure to build soil organic matter.
- Soil test to determine fertility needs.
- Make the most of proven varieties.

Second Place

SCOTT CLUCAS
Califon, NJ

335.0296 bu./acre
DEKALB DKC64-34RIB
Population: 38,500
Harvester: Case IH 7230

In just his third year of participating in the contest, Scott Clucas joins the ranks of national winners with a yield of 335 bu./acre, good enough for a second-place finish in this class. "When they called and told me what the final yield was, I thought they were joking at first," he says.

Wet, cold weather right after the crop went into the ground had Clucas "a little concerned" about germination. "We had rain for four straight days and high temps in the mid-forties," he recalls. "But that was the only time during the whole season where the crop was stressed."

Clucas set the stage for this year's yield by applying a layer of poultry manure to his contest field two months ahead of his May 1 planting date. "It's something we've been doing for the last 15 years or so," he says. "It's helped us build up our organic matter. It gets those microbes cooking in the soil and that leads to yield."

In another effort to build healthier soils that can sustain high yields long term, he's been working cover crops into his management scheme. "We've been at it for about five years now," he notes. "I can't point to a direct link between the cover crops and yields yet, but we are definitely getting less in the way of soil erosion and seeing some other soil improvements as well."

SUPERVISORS

Christian Bench: Soil Conservationist, Natural Resources Conservation Service

Alicia Huber: Ag Outreach Specialist, Natural Resources Conservation Service

Third Place

DARYL ALGER
Lebanon, PA

319.8425 bu./acre
DEKALB DKC62-53RIB
Population: 40,000
Harvester: **John Deere S680**

After entering the contest every year for nearly 30 years, Daryl Alger enters the national winners' circle for the first time. He earns third-place honors with a yield topping 319 bu./acre. "It feels pretty good," he says.

Weather was touch and go. "We had a wet and cold spell from mid-April through mid-May but after that it got really nice and stayed that way for the next two months," he says. "During that time, we had rains when we needed them. And, overall, we had plenty of sunshine."

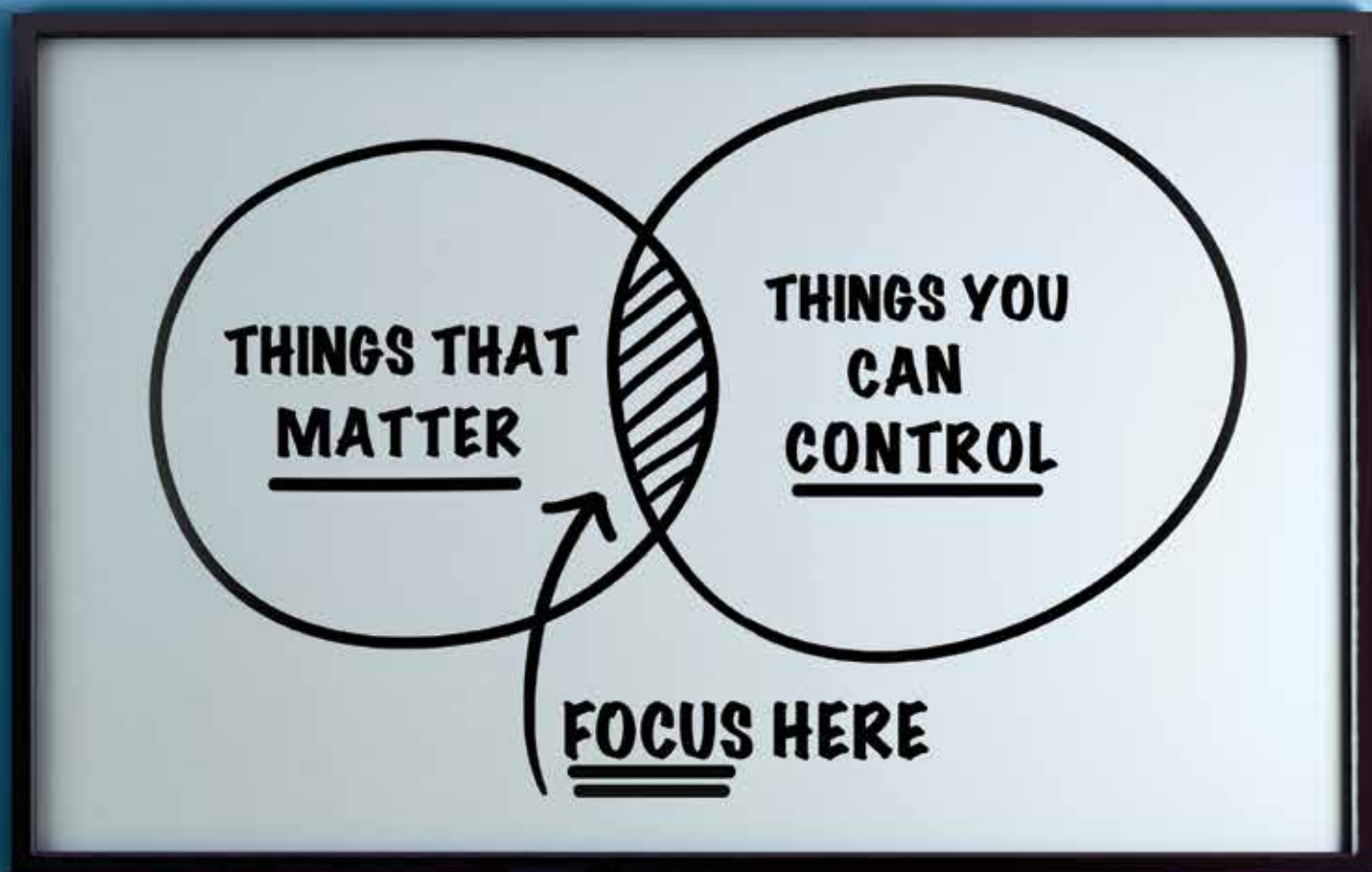
In late July, things turned dry and stayed that way for a month. "We had just four tenths of an inch of rain," he notes. (Normal is two and a half to three inches.) "We were starting to worry. But on August 24, we had a two-inch rain. Then we kept getting timely rain through the rest of the season."

Alger believes his conservation tillage program played a major role in pulling the entry through the dry spell. "We've been no-till on all of our corn ground for ten years or so," he says. "We've definitely seen an increase in organic matter. Having that residue out there holds soil moisture when it turns dry. And in a year like this, that's important. This is the only soil I have. I want to take care of it."

SUPERVISORS

Heidi Myers: Penn State Cooperative Extension

Delbert Voight Jr.: Senior Extension Educator, Penn State Cooperative Extension



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	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
E: STRIP-TILL, MINIMUM-TILL, MULCH-TILL, RIDGE-TILL NON-IRRIGATED										
ALABAMA										
Elvie Hunter Hazel Green, AL	280.4164	AgriGold A6544 VT2RIB	VT2RIB	Poncho 500	34300	—	Halex GT	—	225/60/120	John Deere 1770 Case IH 8120
Jackson Henderson Madison, AL	239.9816	Pioneer P2089VYHR	AVBL,YGCB, HX1,LL,RR2	None	26600	—	—	—	200/60/105	John Deere 1795 John Deere S690
Jessie Hobbs Elkmont, AL	203.4669	DEKALB DKC65-20	DG-VT2P	Accelaron +Poncho 250	38000	—	—	—	120/0/0	John Deere 1795 John Deere S680
ARKANSAS										
Clifton Carter Rector, AR	180.0606	Pioneer P1197YHR	YGCB,HX1, LL,RR2	PPST 250	28400	—	Atrazine +Roundup	—	280/180/140	John Deere 1700 MaxEmerge XP John Deere 9760 STS
Mike Wallace Monette, AR	179.2475	Pioneer P1197	CONV	PPST 250	29500	—	Atrazine	—	280/160/140	John Deere 1700 MaxEmerge Plus Vacuum John Deere 9870 STS
FLORIDA										
Samantha Jones Wellborn, FL	224.2709	Pioneer P1662YHR	YGCB,HX1, LL,RR2	Poncho	28550	—	Amine 4 2,4-D, Atrazine 4L Outlook, Roundup WeatherMax	—	200/50/300	Monosem Twin Row Case IH 1660
Ryan Jenkins Milton, FL	216.7166	Croplan Seed 5678VT2PRIB	VT2PRIB	Accelaron	29000	Tundra	Atrazine 4L Roundup PowerMax	Priaxor	300/150/200	John Deere 1720 MaxEmerge XP Case IH 2188
Judy Copeland Lee, FL	193.4697	Pioneer P1662YHR	YGCB,HX1, LL,RR2	Poncho 250	25460	—	Atrazine 4L Glyphs Xtra	—	200/40/225	Monosem Twin Row John Deere 9870
KANSAS										
Jeff Koelzer Onaga, KS	284.0911	DEKALB DKC65-95RIB	VT2PRIB	Accelaron	34000	—	Armezon, Degree Xtra Atrazine+Roundup Roundup WeatherMax	—	366/104/60	Case IH 2150 Early Riser Front Fold Case IH 7240
Alex Noll Winchester, KS	281.5971	DEKALB DKC66-74RIB	SSRIB	Accelaron +Poncho 250	39000	—	Callisto+Aatrex, Degree Xtra Roundup PowerMax	—	0/0/0	Kinze 4900 Case IH 8240
Mike Fuhrman Lancaster, KS	263.3719	AgriGold A647-90 VT2RIB	VT2RIB	None	36500	—	—	—	235/50/40	John Deere 1795 Case IH 7120
KENTUCKY										
Scott Zoglmann Owensboro, KY	294.4808	DEKALB DKC67-44RIB	VT2PRIB	Poncho 250	40000	—	Halex GT	—	317/138/180	Case IH 2150 Early Riser Front Fold John Deere S780
Landon Taylor Utica, KY	276.9480	Dyna-Gro D58SS65RIB	SSRIB	Poncho 500	39000	Helios+Tombstone	Halex GT Roundup PowerMax	Quadris Trivapro	201/106/165	Kinze 3500 John Deere 9770
Mark Thomas Elizabethtown, KY	267.8299	AgriGold A646-12 VT2PRO	VT2PRO	None	34000	—	—	—	217/70/60	Kinze 3500 Case IH 8240
LOUISIANA										
James Howington Tallulah, LA	251.8037	Pioneer P1870YHR	YGCB,HX1, LL,RR2	None	32000	—	2,4-D+Roundup AAtrex 4L, Sequence	—	0/0/0	John Deere 1750 MaxEmerge XP John Deere 9760 STS
Erie Clark Mer Rouge, LA	245.8406	DEKALB DKC62-05	RR2	Apron, Maxim	39000	Besiege	Atrazine, Glyphosate Leadoff, Metalachlor	Quilt Xcel	240/50/75	John Deere 1720 CCS Twin Row John Deere S680
Charles Cannatella Melville, LA	185.0464	Pioneer P1464VYHR*	AVBL,YGCB, HX1,LL,RR2	PPST 250	32000	—	2,4-D+Roundup Atrazine, Roundup	—	200/50/80	John Deere 1700 John Deere S680

TOP THREE WINNERS BY CLASS

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

MASSACHUSETTS

Jack Letourneau Northfield, MA	302.1560	Pioneer P9998AM™	AM,LL,RR2	Acceleron +Poncho 250	40000	—	Lumax EZ	—	220/37/230	John Deere 7200 MaxEmerge 2 Vacuum John Deere 9500
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MARYLAND

David Hill Kennedyville, MD	231.9377	Pioneer P0574AM™	AM,LL,RR2	None	32000	—	AAtrex 4L, Keystone Status, Steadfast Q	—	200/52/60	Kinze 3600 John Deere 9660 STS
Edward Appenzeller Millington, MD	216.2933	DEKALB DKC62-53RIB	VT2PRIB	Acceleron	36000	Sniper	AAtrex, Princep Roundup PowerMax	Headline AMP Priaxor	300/70/120	Kinze 3600 Case IH 7230

MAINE

Alexander Hilton Norridgewock, ME	186.7157	Channel 187-49VT2PRIB	VT2PRIB	None	32000	—	Acuron, Sterling Blue Cornerstone Plus	—	150/0/60	Great Plains YP-625A Claas Lexion 450
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MICHIGAN

John Stanger Dundee, MI	276.5270	Channel 210-79STXRIB	SSRIB	Poncho 500	35000	—	Lexar+Roundup	Delaro	200/120/200	John Deere 1775NT John Deere S670
Dick Suwyn Caledonia, MI	254.2592	Golden Harvest G07F23-3111	3111	None	35600	—	Acuron	Trivapro	300/0/200	Case IH 2150 Early Riser Front Fold Case IH 8250
Jacob Isley Palmyra, MI	244.9262	DEKALB DKC55-85RIB	VT2PRIB	Acceleron +Poncho 250	34000	—	Atrazine, Capreno Generic Roundup	—	180/25/180	Kinze 3600 Case IH Axial-Flow 7120

MISSISSIPPI

Kenny Hurt Coldwater, MS	266.9296	AgriGold A6544 VT2PRO	VT2PRO	Poncho 500	36000	—	—	—	260/0/0	Monosem Twin Row John Deere S670
Jason Hunter Glen Allan, MS	256.0299	Pioneer P1197YHR	YGCB,HX1, LL,RR2	None	34000	—	—	—	0/0/0	John Deere 1700 MaxEmerge XP John Deere S780
Carol Hunter Glen Allan, MS	251.9338	Pioneer P1197YHR	YGCB,HX1, LL,RR2	None	34000	—	—	—	0/0/0	John Deere 1700 MaxEmerge XP John Deere S790

NORTH CAROLINA

Matthew Wood Andrews, NC	272.4110	Pioneer P1197YHR	YGCB,HX1, LL,RR2	Poncho 1250	30500	Bifenture	Brawl II ATZ, Dicamba Buccaneer Plus Peak, Rifle	Priaxor	128/13/0	John Deere 1780 Drawn Rigid Gleaner R52
Reginald Askew Eure, NC	234.1555	Dyna-Gro D58VC65	VT2P	Poncho 1250 +VOTIVO	27860	—	—	—	207/80/131	John Deere 1730 John Deere 9560 STS
Stuart Askew Gates, NC	226.3860	DEKALB DKC67-44	VT2P	Poncho 1250 +VOTIVO	30944	—	—	—	207/80/131	John Deere 1730 John Deere 9560 STS

NORTH DAKOTA

Steve Huber Berlin, ND	299.8962	DEKALB DKC45-66RIB	VT2PRIB	Poncho 1250 +VOTIVO	34000	—	Armezon Pro, Atrazine Class Act NG, Interlock Roundup PowerMax	—	140/75/20	John Deere 1770NT John Deere S680
Bruce Huber Berlin, ND	299.6103	DEKALB DKC45-66RIB	VT2PRIB	Poncho 1250 +VOTIVO	34000	—	Armezon Pro, Atrazine Class Act NG, Interlock Roundup PowerMax	—	140/75/20	John Deere 1770NT John Deere S680
Robert Huber Edgeley, ND	299.0847	DEKALB DKC45-66RIB	VT2PRIB	Poncho 1250 +VOTIVO	34000	—	Armezon Pro, Atrazine Class Act NG, Interlock Roundup PowerMax	—	140/75/20	John Deere 1770NT John Deere S680

TOP THREE WINNERS BY CLASS

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
E: STRIP-TILL, MINIMUM-TILL, MULCH-TILL, RIDGE-TILL NON-IRRIGATED										
NEBRASKA										
Galen Samuelson Wakefield, NE	270.2316	DEKALB DKC63-57	VT2P	None	30000	—	Harness Xtra LV6 Ester	—	0/0/0	White 9800 Narrow Transport Claas Lexion 740
Paul Tighe Homer, NE	262.0288	DEKALB DKC70-27RIB	VT2PRIB	Acceleron NemoStrike	36000	—	Armezon, Atrazine 4L Makaze, Zidua	—	200/80/20	Kinze 2600 Case IH 7140
Stephen Miller Tecumseh, NE	261.0110	Pioneer P1828AM™	AM,LL,RR2	Poncho 1250 +VOTIVO	29000	—	Halex GT	—	260/80/40	White 8800 John Deere 9550
NEW JERSEY										
Dominick Santini Phillipsburg, NJ	339.0991	Pioneer P1197	CONV	None	48000	—	AAtrex Guardsman	Headline	150/50/50	John Deere 1790 CCS John Deere 9670
Scott Clucas Califon, NJ	335.0296	DEKALB DKC64-34RIB	SSRIB	None	38500	—	—	—	0/0/0	Case IH 2150 Early Riser Front Fold Case IH 7230
Leonard Truszkowski Stewartville, NJ	315.3455	Dyna-Gro D52VC63RIB	VT2PRIB	Acceleron	36500	Tombstone	Atrazine 4L Resicore	—	0/0/0	John Deere 1770 Conservation Cat Lexion 575R
NEW YORK										
Adam Kirby Albion, NY	277.0008	Pioneer P0843AM™	AM,LL,RR2	Herculex 1 Lumigen	36000	—	Durango, Infantry 4L Resolve Q	—	320/60/300	John Deere 1770 NT CCS Case IH 8120
Jason Swede Pavilion, NY	259.8390	DEKALB DKC52-84RIB	SSRIB	Acceleron	35000	—	Roundup PowerMax Yukon	—	257/72/189	John Deere 1775NT John Deere S680
Gary Swede Pavilion, NY	255.3704	DEKALB DKC57-75RIB	SSRIB	Acceleron	35000	—	Roundup PowerMax Yukon	—	257/72/189	John Deere 1775NT John Deere S680
OKLAHOMA										
Gayla Ledbetter Okmulgee, OK	247.8519	DEKALB DKC67-44RIB	VT2PRIB	Poncho 250	32000	—	Glyphosate Medal II ATZ	—	250/50/50	John Deere 1770NT John Deere S670
Zachary Rendel Miami, OK	194.3819	AgriGold A6572 VT2RIB	VT2RIB	VOTIVO	28000	—	—	—	175/80/120	John Deere 1770 NT CCS John Deere 9770 STS
PENNSYLVANIA										
Daryl Alger Lebanon, PA	319.8425	DEKALB DKC62-53RIB	VT2PRIB	Acceleron	40000	—	AAtrex 4L, Gly Star Metalachlor	—	300/0/0	John Deere 1775NT John Deere S680
Dave Kratz Hamburg, PA	302.2533	Channel 213-19VT2PRIB	VT2PRIB	None	35000	—	—	—	340/160/300	John Deere 7200 MaxEmerge 2 Vacuum John Deere 9650 STS
Glen Krall Lebanon, PA	293.1804	Pioneer P1415Q™	Q,LL,RR2	Poncho 1250 +VOTIVO	34000	—	Atrazine, Resolve Q Gly Star Plus	Stratego YLD	150/0/200	Kinze 3500 Gleaner R65
SOUTH CAROLINA										
Jeff Dawson Beaufort, SC	258.9273	AgriGold A647-46 STX	STX	None	30000	—	Halex GT	Priaxor	350/80/300	John Deere 1700 MaxEmerge XP John Deere 9500
Jason Hewett Beaufort, SC	257.3633	DEKALB DKC70-27	VT2P	None	35000	—	Halex GT	Priaxor	350/80/300	John Deere 1700 MaxEmerge XP John Deere 9500
Daniel Gause Scranton, SC	231.2734	Pioneer P2089VYHR	AVBL,YGCB, HX1,LL,RR2	None	32500	—	—	—	200/80/100	John Deere 1700 MaxEmerge XP John Deere 9770

TOP THREE WINNERS BY CLASS

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
E: STRIP-TILL, MINIMUM-TILL, MULCH-TILL, RIDGE-TILL NON-IRRIGATED										
SOUTH DAKOTA										
Brennen Bird Elk Point, SD	277.6756	Channel 213-19VT2P	VT2P	None	32000	—	—	—	0/0/0	John Deere 1770 Drawn CCS MaxEmerge, John Deere S680
Daryl Akland Beresford, SD	244.8843	Pioneer P1366AM™	AM,LL,RR2	Poncho 250	35000	—	—	—	160/90/90	John Deere 1770 Conservation Case IH 2388
TENNESSEE										
Brenda Tanner Union City, TN	295.1404	DEKALB DKC68-69	VT2P	Acceleron	35000	—	Capreno	—	285/45/250	John Deere 1770NT Case IH 8240
David Womack Shelbyville, TN	289.4598	AgriGold A647-46 STX	STX	Poncho 500	35000	—	—	—	250/80/200	Case IH 1250 Case IH 7230
Kenneth Barnes Union City, TN	285.8345	DEKALB DKC68-69	VT2P	Acceleron +Poncho 250	34500	—	Atrazine 90 DF Roundup PowerMax Warrant	Trivapro	300/70/75	John Deere DB60 Case IH 7240
TEXAS										
Brian Fink Cost, TX	174.9076	Pioneer P1366YHR	YGCB,HX1, LL,RR2	Poncho 1250 +Raxil	22000	—	Leadoff Roundup PowerMax	—	150/0/0	John Deere 1720 MaxEmerge XP John Deere S670
VIRGINIA										
Gerald Heatwole Mc Gaheysville, VA	295.5720	Pioneer P1197AM™	AM,LL,RR2	Poncho 250	34000	Kendo	AAtrex 4L, Acuron Glystar Plus, Princep 4L	Miravis	180/50/100	Great Plains YP-1225 New Holland CR8090
Monte Heatwole Mc Gaheysville, VA	292.1215	Pioneer P1077AM™	AM,LL,RR2	Poncho 1250	34000	Kendo	AAtrex 4L, Acuron Gly Star Plus, Princep 4L	Miravis	180/50/100	Great Plains YP-1225 New Holland CR8090
LaVonne Heatwole Mc Gaheysville, VA	286.0939	Pioneer P1283AM™*	AM,LL,RR2	Poncho 250	34000	Kendo	AAtrex 4L, Acuron Glystar Plus, Princep 4L	Miravis	180/50/100	Great Plains YP-1225 New Holland CR8090
VERMONT										
Jeffrey Grembowicz West Rutland, VT	160.5339	DEKALB DKC34-82RIB	VT2PRIIB	None	28000	Capture LFR	Atrazine 4L Resicore	Approch Prima	160/30/50	John Deere 1750 Drawn Conservation Case IH 2388
WEST VIRGINIA										
Margaret Miltenberger Keyser, WV	246.9109	DEKALB DKC70-27RIB	VT2PRIIB	Acceleron +Poncho 250	33000	Lambda-Cy	AAtrex 4L, Callisto Gly Plus, Resolve Q	—	125/2/2	John Deere 1770NT John Deere S660
Lynn Widmyer Charles Town, WV	136.4658	Pioneer P1197AM™	AM,LL,RR2	Poncho 250	28000	—	Lexar, Princep 4L Roundup PowerMax	—	200/90/90	John Deere 1770 Conservation Case IH 1660
WYOMING										
Mike Peterson Albin, WY	101.4680	Pioneer P9188AM™	AM,LL,RR2	Cruiser 250/Raxil	16000	—	Clarity Durango DMA	—	70/30/0	John Deere 1770NT CCS ProXP John Deere 9770 STS

First Place



KEVIN KALB

Dubois, IN

394.4922 bu./acre

DEKALB DKC67-44RIB

Population: 38,000

Harvester: Case IH 8240

SUPERVISORS

Tim Robinette: Ag Loan Officer, Old National Bank

Tom Krodell: Ag Loan Officer, Old National Bank

Weather glitches on both ends of the growing season had Kevin Kalb wondering at times about his chances in this contest class. In the end, the crop came through, giving Kevin a winning yield of 394 bu./acre.

An overabundance of moisture was the problem early on. "From January 1 through June 30, we set a record for precipitation," Kalb says. "In the past, we would try to start planting corn during the first couple weeks of April. But this year, the ground was super-saturated. We didn't get this (contest) field planted until May 18."

On the other end of the season, warm and dry weather posed additional challenges. September brought record heat and only three-tenths of rain. "The corn was in the R4/R5 stage which is when it should be trying to pack on kernel weight," Kalb says. "But the Growing Degree Units were accumulating and the corn was growing pretty fast. We knew we weren't going to have an extended grain-fill period. We were plenty worried about losing bushels."

The worries slipped away as soon as Kalb got into the field with the combine. "Right away, we knew it was going to be heavy corn," he says. "At 27 percent moisture, we were getting 61 pound test weights. I think all the sunlight we had during the hot spell in September made the crop. The corn had a ton of energy."

Working with healthy soil likely also played a role. "This field is mostly flat with sandy loam soil," Kalb notes. "We've been increasing the rates of humic acid in our liquid fertilizers to buffer out salts and get more microbial activity going in the soil. We also spread turkey manure (two tons/acre) each year to build soil health and increase water holding capacity. If you don't have healthy soils, you're not going to grow good corn."

As in other recent years, Kalb applied granulated sugar five times during the season to provide additional energy and control insects. "We've been tinkering with the rates," Kalb notes. "This year, we bumped it up to four pounds/acre. We're trying to feed the microbes in the soil."

Kalb planted DEKALB DKC67-44RIB, the same hybrid that delivered contest wins last year and the year before. "There are just certain hybrids that fit your weather, your ground, your management. When you find those, you stay with them," he points out.

Basics Add Bushels

- Keep soils healthy.
- Select hybrids that fit your conditions and management.
- Spur microbial activity in soil with granulated sugar.

Second Place

SHAWN KALB

Dubois, IN

320.7389 bu./acre

DEKALB DKC67-44RIB

Population: 36,000

Harvester: Case IH 8240

SUPERVISORS

Tim Robinette: Ag Loan Officer, Old National Bank

Tom Krodell: Ag Loan Officer, Old National Bank

Shawn Kalb repeats for the second year in a row as a national winner. Her yield came in at nearly 321 bu./acre, bringing her a second-place award.

Focusing on the front end of the growing season was a key component of Kalb's yield strategy. At planting, she treated seed with ColdFlo (Nutrien Ag Solutions), then ran 2.5 gallons of CPS Early Riser fertilizer (3-18-18) in the furrow. Capture Insecticide, PGR Radiate and zinc also went into the furrow. "The starter is an early energy source for the plants," she says. "It keeps them going until they can move out to where the real heavy-lifting nutrients are."

For disease control, Kalb made multiple fungicide applications—at V10, brown silk and three weeks after brown silk. "We used to do just two applications earlier in the season," she says. "But we think there's more complete coverage with the three applications. The later applications keep plants alive and healthy longer. That's important for adding test weight."

Kalb encourages anyone with an interest in growing corn to think about participating in the contest. "We've met a lot of great people and made a lot of friends," she says. "We get a chance to get together with them once a year (at Commodity Classic) and hear about the things they're trying. It's a great way to learn."

Third Place

JERRY COX

Delta, MO

299.2489 bu./acre

Pioneer P2089VYHR

Population 34,000

Harvester: John Deere 9670 STS

SUPERVISORS

Jim Gosche: Retired Ag Loan Officer, Alliance Bank

Prior to this year, Jerry Cox and his son, Matt, had appeared in the contest winners' circle two-dozen times. That's dating back to 1995. Now Jerry is back again with a yield of just under 300 bu./acre, adding yet another award to the family's impressive contest totals.

Extremely wet weather dominated much of the growing season. "It started out decently," Cox relates. "But right after we planted (in early April), it turned wet and stayed that way. From April through August, we had almost forty inches of rain, about double what we typically have. And we didn't have very much sunlight."

Cox's ability to keep plants healthy saved the yield. Using tissue sampling as a guide, he foliar-fed his contest corn at three critical stages—V3/V4, V10 and brown silk. He also made two aerial applications with fungicides. "Even with the wet weather, the plants stayed nice and green well into the fall," he notes.

Having good soils in place, thanks in large part to a long history of ridge- and no-till, also played a role. "When we go out into our fields, plant a shovel and pull it back, we find lots of earthworms," he says. "That's a sign of healthy soil. When you have that, you'll have higher yields. It's what we're all after."

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
F: STRIP-TILL, MINIMUM-TILL, MULCH-TILL, RIDGE-TILL NON-IRRIGATED*										
IOWA										
Rick Cole Fayette, IA	296.6682	Pioneer P1366AM™	AM,LL,RR2	None	32000	–	–	–	0/0/0	Kinze 3650 John Deere 9650 CTS
Brian Weber Dysart, IA	296.0187	Pioneer P1366AM™	AM,LL,RR2	None	33000	–	AAtrex 4L+Atrazine Halex GT	–	190/80/100	John Deere 1770NT John Deere 9670
Shane Vogeler Clutier, IA	292.5128	Pioneer P1366AM™	AM,LL,RR2	None	33000	–	–	–	220/80/100	John Deere 1795 John Deere S770
ILLINOIS										
Randy Murdock Reynolds, IL	298.8368	Pioneer P1366AM™	AM,LL,RR2	Poncho 1250 +VOTIVO	34500	Lambda-Cy	Banvel, Glystar Plus Harness Xtra	Trivapro	306/52/120	John Deere 1770 NT CCS John Deere S790
Brad Smith Milledgeville, IL	296.1999	DEKALB DKC64-34RIB	SSRIB	Acceleron	36000	–	AAtrex 4L AAtrex+Harness	Delaro	240/80/100	John Deere 1770 Drawn CCS MaxEmerge Claas Lexion 740
Alan Johnston Galva, IL	282.3176	DEKALB DKC64-34RIB	SSRIB	None	34000	–	–	–	260/100/100	White 9824 John Deere S680
INDIANA										
Kevin Kalb Dubois, IN	394.4922	DEKALB DKC67-44RIB	VT2PRIB	Acceleron +Poncho 250	36000	–	Degree Xtra Roundup Original	–	250/0/0	Case IH 1240 Pivot- Transport Early Riser Case IH 8240
Shawn Kalb Dubois, IN	320.7389	DEKALB DKC67-44RIB	VT2PRIB	Acceleron	36000	–	Degree Xtra Roundup Original	–	250/0/0	Case IH 1240 Pivot- Transport Early Riser Case IH 8240
Ryan Rippy Wingate, IN	287.4426	Specialty Hybrids 42D843	VT2PRIB	Acceleron	35000	–	Acuron, Atrazine Roundup PowerMax, Status	Headline AMP	207/46/60	Kinze 4900 Case IH 7240
MINNESOTA										
David Heublein Lewiston, MN	281.2691	DEKALB DKC54-38RIB	SSRIB	Acceleron	37000	–	Roundup PowerMax TripleFLEX	–	200/100/130	Case IH 1200 Pivot Case IH 6140
David Swenson Mabel, MN	273.0682	Pioneer P0589AM™	AM,LL,RR2	None	36000	–	Abundit Resicore	–	275/200/125	John Deere 1770NT John Deere S660
Gary Sobeck Winona, MN	272.8987	DEKALB DKC62-20RIB	VT2PRIB	Acceleron +Poncho 250	37500	–	AAtrex, Resicore Roundup	–	250/48/120	Kinze 3600 Case IH Axial-Flow 5088
MISSOURI										
Jerry Cox Delta, MO	299.2489	Pioneer P2089VYHR	AVBL,YGCB, HX1,LL,RR2	Amplify D	34000	–	AAtrex 4L Dual	–	325/20/20	John Deere 1720 MaxEmerge XP John Deere 9670 STS
Joe Mahar Frankford, MO	290.7814	DEKALB DKC64-35RIB	VT2PRIB	Elete 250B	33500	Tombstone	Atrazine Resicore	–	200/0/0	John Deere 1790 John Deere S670
James Steffens Lexington, MO	278.8726	DEKALB DKC62-08RIB	SSRIB	Acceleron	33000	Mustang	Atrazine, Callisto Corvus, Gly	Trivapro	0/0/0	Kinze 3660 Case IH Axial-Flow 7120
OHIO										
Mike Wolfe Baltimore, OH	294.5361	DEKALB DKC64-35RIB	VT2PRIB	Acceleron	34000	Sniper	AAtrex 4L, Clarity Mad Dog Plus Simazine 4L, Status	–	220/12/0	Kinze 3600 Case IH 6140
Don Jackson Camden, OH	290.0481	DEKALB DKC64-34RIB	SSRIB	Acceleron +Poncho 250	35700	–	Cornerstone Plus FuTime, SureStart	–	180/0/0	John Deere 1770NT John Deere 9570 STS
Neal Bond New Vienna, OH	285.7171	Pioneer P1197AM™	AM,LL,RR2	Dynasty+Poncho	37000	Arctic	Atrazine 4L Resicore	–	350/150/200	John Deere 1755 John Deere S670
WISCONSIN										
Matt Berget Darlington, WI	297.0598	Pioneer P1366Q™	Q,LL,RR2	Poncho 250 +Raxil	36000	–	Acuron, Laudis Roundup PowerMax	Stratego Trivapro	220/70/90	John Deere DB120 John Deere S780
Patrick Kleiber Shellsburg, WI	293.7015	AgriGold A640-77 VT2RIB	VT2RIB	VOTIVO	35000	–	–	–	246/50/185	Gaspardo Romina John Deere 6600 SideHill
Sam Metcalf Janesville, WI	282.6846	Pioneer P0574AMXT™	AMXT, LL,RR2	Poncho 250 +Raxil	36500	–	DiFlexx, Resicore Roundup PowerMax	–	250/92/180	John Deere 1775NT John Deere S670

First Place



DUSTIN DOWDY

Valdosta, GA

432.0448 bu./acre

AgriGold A641-54VT2PRO

Population: 42,000

Harvester: Case IH 8250

SUPERVISORS

William "Hal" Darsey: District Conservationist, Natural Resource Conservation Service

Richard Coleman: Soil Conservationist, Natural Resource Conservation Service

Dustin Dowdy's motto could easily be, "If you first don't succeed, try, try again." His previous best finish in the national yield contest came in 2015 when he notched third-place honors. This year his yield of 432 bu./acres topped all entries in this class.

Dowdy's contest entry came out of the gate fast and evenly and never looked back. "We had great weather early on," he says. "It was mild, and we had average rainfall. That led to great emergence which is just so crucial to yield. Ideally, you want all of the plants coming up within a few hours of each other and that's what we got this year. When a plant doesn't emerge at the same time as all the others, it becomes a weed and yield loss is inevitable."

The weather turned when Dowdy's contest entry approached the V10 stage. "We didn't have any rain at all for a really long stretch," he says. "And it got extremely hot. We had daytime high temperatures in the upper 90s and nighttime lows in the upper 70s for weeks on end."

Center pivot irrigation offset the moisture shortfall. "A lot of farms in our area that didn't have water didn't make a crop this year," he says. On the upside, the lack of rain translated into many days of cloudless skies. "We had abundant amounts of sunshine to work with all the way from May through October," Dowdy says. "It's

the intangible ingredient in yield. If only someone could figure out a way to put sunlight in a jug."

Through the heart of the growing season, Dowdy made use of soil testing and tissue sampling results as a guide for nutrient applications. Which nutrients and what amounts were determined by stage of the crop.

Having his contest entry on soil that's been "well-cared for" also helped Dowdy meet his yield goals. Routine applications of chicken litter and longstanding use of cover crops are fixtures in his soil stewardship effort. "The poultry litter gives us lots of micronutrients to put to work in the soil," he says. "It's great stuff. We planted our first cover crops in 2006 and have been adding more every year. The best thing about them is that they give you something growing year-round. With them, you capture a lot of residual fertility and keep the biologicals active in the soil."

Basics Add Bushels

- Place uniform stand emergence at the forefront.
- Base nutrient applications on soil test and tissue sample results.
- Plant cover crops to keep soils active and healthy.

Second Place

COLIN GARRETT

Arion, IA

357.7096 bu./acre

LG Seeds LG5643VT2RIB

Population: 37,000

Harvester: John Deere S780

SUPERVISORS

Craig Malone: Crop Insurance Agent, Hoffman Agency

Mark Martens: Crop Insurance Agent, Hoffman Agency

Jake Schaben: Ag Loan Officer, United Bank of Iowa

Colin Garrett enters the national winners' circle for the first time, earning second-place honors with a yield of just under 358 bu./acre.

A long-established track record of soil stewardship set the stage for Garrett's high-yielding entry. He uses several beneficial practices that include no-till, planting on the contour and installing drain tiles. "It's not just dirt to us," says Garrett. "It's earth or soil, and taking care of it is of the highest priority. If you do it right, you'll see a yield boost."

Garrett zeroed in on several key management concepts including having his planter properly set up ahead of the season, planting under optimum conditions (not too cold), utilizing a proven hybrid and implementing a comprehensive fertility program. That included combining a good starter fertilizer, foliar feeding and in-season nutrient spoon-feeding through a Netafim drip irrigation system.

Weather was a mixed bag. Cold, wet conditions kept him from planting any corn acres until May 1. "That was a couple of weeks later than normal, and even then I felt like we were maybe pushing things a bit," he notes. "As the summer went along, we had adequate moisture for the most part. But we didn't get much sunlight. Toward the end of July, we went through a short dry period. The irrigation provided the water we needed to get us through."

Third Place

CARLY SANTINI

Stewartsville, NJ

345.2847 bu./acre

Pioneer P1197AMT

Population 40,000

Harvester: John Deere S770

SUPERVISORS

Hank Bignell: Extension Agent, Warren County

Jay Rupell: Retired FFA Advisor

Great corn growing conditions created the foundation for high yields. Carly Santini's focus on plant health helped to build yield. As a result, her contest entry yield of 345 bu./acre qualifies for third-place honors in this class.

The weather gods smiled on Carly's contest field throughout the growing season. "It was near perfect," she says. "There was plenty of rain, but it came at just the right times. We also had an abundance of sunshine and the right amount of heat. We couldn't have asked for anything more."

Supplementing the favorable conditions, Santini was diligent about taking steps to hold off diseases. "Whether it's northern leaf blight or something else, diseases are always a concern here in the Northeast," she says. "You have to do whatever you can to stay ahead of the game."

For control, Santini used a highboy sprayer to apply **Priaxor** fungicide when the corn was waist-high. She came back with another application of **Headline Amp** right after black silk. "Our goal with the fungicides is to keep those plants as green and healthy for as long as we can," she says. "The healthier they are, the more bushels we get."



Expanding Existing Markets and Creating New Markets Drives NCGA

Growing markets for ethanol, maintaining healthy livestock demand for corn, and eliminating trade barriers are well-known NCGA priorities to increase market share. But that's just the beginning. NCGA is working to establish three new uses for corn and we can't do it alone.

The upcoming 2020 Corn Utilization and Technology Conference will focus on new uses for corn, technologies that improve corn yield, corn quality and more.

New markets for biobased products and chemicals represent the next generation for market demand for corn and NCGA is working to accelerate the revolution. Because turning our productivity into an economic asset makes sense!

Find out more about how you can get involved with the 2020 Corn Utilization and Technology Conference at NCGA.com.



TOP THREE WINNERS BY CLASS

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
G: NO-TILL IRRIGATED										
ALABAMA										
Stewart McGill Meridianville, AL	304.9586	DEKALB DKC67-44	VT2P	None	38000	—	—	—	200/100/100	John Deere DB60 John Deere S680
Angela Dee Aliceville, AL	279.5084	AgriGold A6659 VT2PRO	VT2PRO	Poncho 250	31500	—	Atrazine 4L Resicore Roundup Max	Stratego YLD	300/64/117	John Deere 1720 Stack-Fold MaxEmerge Plus John Deere S690
Jeff Tate Meridianville, AL	276.5513	DEKALB DKC64-35	VT2P	None	36000	—	—	—	200/100/100	John Deere DB60 John Deere S680
ARKANSAS										
Austin Murray Piggott, AR	283.4406	Pioneer P1870YHR	YGCB,HX1, LL,RR2	PPST 250	31000	—	2,4-D+Atrazine	—	280/140/120	John Deere 1700 MaxEmerge XP John Deere 9860 STS
COLORADO										
Jared Gardner Rocky Ford, CO	280.6675	Pioneer P1370Q™	Q,LL,RR2	Poncho 1250+ VOTIVO+Raxil	31000	—	—	—	250/0/0	John Deere 1795 John Deere S780
DELAWARE										
Gary Ockels Milton, DE	320.1008	DEKALB DKC64-35RIB	VT2PRIB	Acceleron	42000	Sniper	Acuron, Princep 4L Generic Roundup, Salvo	—	350/15/230	Case IH 1255 Front-Fold Early Riser Case IH Axial-Flow 7120
Mark Collins Laurel, DE	314.8987	Channel 213-19VT2PRIB	VT2PRIB	Poncho 250	35800	—	Bicep II Magnum Callisto, Roundup	—	325/35/225	Kinze 3650 Case IH Axial-Flow 7120
B Wilson Smyrna, DE	299.9912	DEKALB DKC65-20RIB	DG-VT2PRIB	Acceleron +Poncho 25	31458	Sniper	Atrazine 4L, Halex GT Roundup PowerMax	Priaxor Tilt	220/120/120	John Deere 1770 NT CCS Case IH 8230
FLORIDA										
Gary Cone Jennings, FL	260.1848	DEKALB DKC62-08	SS	Amplify L+Poncho 250	34200	—	Atrazine 4L, Prowl H2O Roundup WeatherMax	—	285/90/325	Monosem Twin Row John Deere 9870 STS
Jason Mills Live Oak, FL	222.2744	Pioneer P1847VYHR*	AVBL,YGCB, HX1,LL,RR2	Amplify D +Poncho 1250	34300	—	Atrazine 4L, Gly-4 Plus Glyphosate 4 Plus, Outlook	—	240/90/280	John Deere 1700 MaxEmerge Plus Vacuum, John Deere 9570
GEORGIA										
Dustin Dowdy Valdosta, GA	432.0448	AgriGold A641-54VT2PRO	VT2PRO	Poncho 500	42000	—	—	—	450/150/450	Harvest International Ultra Plant Series 40, Case IH 8250
IOWA										
Colin Garrett Arion, IA	357.7096	LG Seeds LG5643VT2RIB	VT2RIB	None	37000	—	—	Trivapro	300/250/275	John Deere 1790 CCS John Deere S780
Kelly Garrett Arion, IA	329.5054	Pioneer P1366AM™	AM,LL,RR2	None	37000	—	Halex	Trivapro	300/250/275	John Deere 1790 CCS John Deere S780
Cael Garrett Arion, IA	291.3738	Pioneer P1366AM™	AM,LL,RR2	None	37000	—	Halex	Trivapro	300/250/275	John Deere 1790 CCS John Deere S780
ILLINOIS										
Dan Luepkes Chana, IL	289.6658	AgriGold A640-77 VT2RIB	VT2RIB	Acceleron +Poncho 250	34500	—	Callisto SureStart	—	275/140/180	John Deere 1770 NT CCS John Deere 9770 STS
John Scates Shawneetown, IL	246.9601	Pioneer P2089AML™*	AML,LL,RR2	Poncho 250 +Raxil	34000	—	—	—	300/200/200	John Deere 1775NT John Deere S690
Hugh Scates Shawneetown, IL	244.4603	Pioneer P1847AML™*	AML,LL,RR2	Poncho 250 +Raxil	33000	—	—	—	300/200/200	John Deere 1775NT John Deere S690
INDIANA										
Brandon Cardinal Oaktown, IN	297.3570	Pioneer P1847AML™*	AML,LL,RR2	Poncho 1250	36000	—	Armezon Pro	—	325/115/170	John Deere 1775NT John Deere S670
Jerry Wischmeier Brownstown, IN	281.0958	DEKALB DKC67-44RIB	VT2PRIB	Acceleron +Poncho 250	34000	—	—	—	300/92/250	John Deere 1770NT John Deere S660
Craig Williams Oaktown, IN	277.6287	Pioneer P1464AML™*	AML,LL,RR2	Lumigen	35000	Silencer	Armezon Cinch ATZ Honcho Xtra 5.6L	Approch Prima	250/150/200	Kinze 3600 John Deere 9660 STS
KANSAS										
John Bergkamp Garden Plain, KS	288.2200	AgriGold A6544 VT2RIB	VT2RIB	None	34000	—	—	—	300/50/0	John Deere 1770NT John Deere 9770 STS
Jacob Gouldie Inman, KS	275.8302	AgriGold A6579 VT2RIB	VT2RIB	None	35000	—	—	—	0/0/0	John Deere 1770NT John Deere 9770 STS
Faye Cyr Clyde, KS	263.3359	Pioneer P1828AM™	AM,LL,RR2	None	32500	—	—	—	0/0/0	John Deere 1750 MaxEmerge Plus Vacuum, John Deere S680

TOP THREE WINNERS BY CLASS

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
G: NO-TILL IRRIGATED										
KENTUCKY										
Drew Langley Glendale, KY	316.8435	DEKALB DKC67-44RIB	VT2PRIB	Acceleron +Poncho 250	34000	—	2,4-D+Atrazine	—	260/100/100	Kinze 3600 Case IH 2388
Paul Howlett Glendale, KY	302.5129	AgriGold A644-32TRCRIB	Trecepta RIB	None	35000	—	—	—	236/50/125	John Deere 7000 John Deere 9410
Scott Ebelhar Loretto, KY	283.6368	DEKALB DKC64-32	CONV	Acceleron +Poncho 250	32000	Hero Lamcap Sniper	Atrazine 4L, Corvus Herbimax, Status Roundup PowerMax	Fortix Trivapro	260/60/19	John Deere 1770 NT CCS John Deere S780
LOUISIANA										
Christopher Johnson Monroe, LA	256.1746	Pioneer P1870YHR	YGCB,HX1, LL,RR2	None	33000	—	—	—	225/20/60	Case IH 1230 Stackbar Early Riser Case IH 8240
MASSACHUSETTS										
Sarah Henry Southampton, MA	270.6453	Channel 197-90VT2PRIB	VT2PRIB	Acceleron +Poncho 250	36500	—	Instigate Roundup PowerMax	—	275/15/125	Kinze 2500 Case IH 8230
MARYLAND										
Marion Wilson Centreville, MD	288.8205	DEKALB DKC67-44RIB	VT2PRIB	Acceleron +Poncho 250	38000	Ethos XB	Atrazine 4L Corvus	Priaxor	300/100/120	John Deere 1770 NT CCS Claas Lexion 750
David & Ronnie Andrews Hurlock, MD	266.9029	Pioneer P1197AM™	AM,LL,RR2	Acceleron +Poncho 250	33100	Fastac	Atrazine+Roundup Basis Blend	—	270/35/180	John Deere 1770NT John Deere S670
William Layton Vienna, MD	258.9412	DEKALB DKC62-53RIB	VT2PRIB	Poncho 250	36000	—	Lexar, Princep 4L Roundup PowerMax	—	120/0/0	John Deere 1790 CCS John Deere 9670 STS
MICHIGAN										
Ronnie Landis Schoolcraft, MI	284.1403	DEKALB DKC58-83RIB	VT3PRIB	None	35000	—	Acuron	—	150/100/110	John Deere 1770 NT CCS John Deere S780
Jeff Stuck Marcellus, MI	245.3468	DEKALB DKC54-40RIB	VT2PRIB	Acceleron +Poncho 250	34000	—	Halex GT	—	250/30/120	John Deere 1760 John Deere S680
Curtis Tidey Berrien Center, MI	227.4227	DEKALB DKC53-58RIB	VT2PRIB	Acceleron +Poncho 250	33000	—	Roundup PowerMax TripleFLEX	—	250/25/100	Kinze 3600 John Deere 9500
MINNESOTA										
Kevin Bauer Hastings, MN	297.8726	Pioneer P1244AM™*	AM,LL,RR2	PPST 250	35000	—	AAtrex, Callisto Buccaneer 5, Dual	—	250/75/150	John Deere DB60 Claas Lexion 740
Jenna Soback Winona, MN	271.1289	DEKALB DKC62-20RIB	VT2PRIB	Acceleron +Poncho 250	37000	—	AAtrex, Resicore Roundup	—	250/48/150	Kinze 3600 Case IH Axial-Flow 5088
Tom & Bob LeidenFrost Pierz, MN	210.9455	Pioneer P9492AM™*	AM,LL,RR2	Lumivia +Raxil/Rancona	33000	—	Acuron Flexi, Dicamba Roundup	—	209/119/92	John Deere 1760 Conservation John Deere 9670
MISSISSIPPI										
Jesse More Aliceville, AL	250.3285	DEKALB DKC66-94	RR2	Poncho 250	33000	—	Atrazine 4L Resicore Roundup Max	Stratego YLD	300/76/117	John Deere 1720 Stack-Fold MaxEmerge Plus John Deere S690
Seth More Aliceville, AL	247.8412	DEKALB DKC67-44	VT2P	Poncho 250	34000	—	Atrazine 4L Resicore Roundup Max	Stratego YLD	300/64/117	John Deere 1720 Stack-Fold MaxEmerge Plus John Deere S690
Philip Good Macon, MS	231.9467	DEKALB DKC67-44	VT2P	Poncho 250	35000	—	Atrazine 4L Halex GT	—	215/60/60	John Deere 1720 MaxEmerge XP John Deere S670
MONTANA										
Eric Lowell Park City, MT	210.4088	Pioneer P9188AMXT™	AMXT, LL,RR2	PPST 250	41000	—	—	—	260/30/10	John Deere 1710 Vacuum John Deere 9600
NORTH CAROLINA										
Kevin Matthews East Bend, NC	304.2934	Pioneer P1870YHR	YGCB,HX1, LL,RR2	Poncho 1250 +VOTIVO + Invigor8	32000	—	AAtrex 4L+Atrazine Callisto+Roundup Gramoxone Inteon	Headline AMP	300/225/300	John Deere DB44 John Deere S680
Lucas Richard Newton, NC	295.2235	Pioneer P1870YHR	YGCB,HX1, LL,RR2	Poncho 1250	36000	—	Balance Flexx Laudis	—	215/191/156	John Deere 1790 CCS Claas Lexion 760
Charles Grantham Raleigh, NC	290.4626	DEKALB DKC65-95	VT2P	Poncho 250	34000	—	Atrazine, Leadoff Realm Q Roundup PowerMax	—	297/90/189	John Deere 1770NT John Deere 9770 STS
NORTH DAKOTA										
James Frauenberg LaMoure, ND	291.7449	DEKALB DKC47-27RIB	DG-VT2PRIB	Acceleron +Poncho 250	39000	—	Atrazine+Roundup Harness	—	195/156/180	John Deere DB66 Case IH 9230

TOP THREE WINNERS BY CLASS

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
G: NO-TILL IRRIGATED										
Cody Frauenberg Lamoure, ND	275.0772	DEKALB DKC51-40RIB	VT2PRIB	Acceleron +Poncho 250	39000	—	Atrazine+Roundup Harness	—	195/156/180	John Deere DB66 Case IH 9230
Nathan Quandt Oakes, ND	240.7578	DEKALB DKC44-80RIB	VT2PRIB	Acceleron	34500	—	Breakfree ATZ Lite Roundup PowerMax	—	300/50/15	White 9824 Case IH 9230
NEBRASKA										
Rex Peterson Riverdale, NE	307.1061	Pioneer P1563AM™*	AM,LL,RR2	None	33000	—	—	—	275/75/0	John Deere 1720 CCS Stack-Fold John Deere S670
Joseph Bilka Holdrege, NE	306.6608	Pioneer P1366AML™	AML,LL,RR2	None	32000	—	—	—	200/40/0	Case IH 1230 Case IH 2588
Ethan Johnson Holdrege, NE	289.3701	Pioneer P1366AM™	AM,LL,RR2	None	31500	Steward SC	Resicore	Evito	250/45/0	John Deere Custom Made Claas Lexion 740
NEW HAMPSHIRE										
Dan Lewelyn Northfield, MA	259.8383	Pioneer P9998AM™	AM,LL,RR2	Acceleron +Poncho 250	40000	—	Lumax EZ	—	220/37/230	John Deere 7200 MaxEmerge 2 Vacuum, John Deere 9500
NEW JERSEY										
Carly Santini Stewartsville, NJ	345.2847	Pioneer P1197AMT™	AMT,LL,RR2	Cruiser +Herculex I	40000	—	—	—	350/70/70	John Deere 1780 MaxEmerge Plus Vacuum, John Deere S770
OHIO										
Nick Kelbley Fostoria, OH	295.8092	AgriGold A6579 VT2RIB	VT2RIB	None	36750	—	—	—	0/0/0	John Deere 1775NT John Deere S680
Jim Motycka Napoleon, OH	289.3719	Pioneer P0825AM™	AM,LL,RR2	Pioneer Premium	31500	—	AAtrax 4L+Atrazine Resicore	—	253/54/120	Case IH 1255 Front-Fold Early Riser Case IH 5140
Dan Watchman Napoleon, OH	280.7999	Seed Consultants SCS 1087YHR™	RR2/HX/ LL/YGCB	Poncho 250	31500	—	AAtrax 4L+Atrazine Resicore	—	235/54/120	Case IH 1255 Front-Fold Early Riser Case IH 5140
OREGON										
Vern Frederickson Boardman, OR	319.4802	Pioneer P1366AM™	AM,LL,RR2	None	42500	—	Armezon, Outlook Generic Roundup	—	339/40/0	John Deere 7340 John Deere S670
PENNSYLVANIA										
Karl Dirks Mount Joy, PA	304.7604	DEKALB DKC60-88RIB	VT2PRIB	None	38000	—	—	—	220/0/0	John Deere 1770 NT CCS John Deere S660
Paul Mast Morgantown, PA	287.7481	Pioneer P1443AM™	AM,LL,RR2	Poncho 250	35000	Lambda T	Balance Flexx Helmquat 3SL, Trizmet II	—	270/0/40	John Deere 1750 MaxEmerge Plus Vacuum, John Deere 9750 STS
Rhonda Mast Morgantown, PA	285.2551	Pioneer P1283AM™*	AM,LL,RR2	Poncho 250	35100	Lambda	Balance Flexx Helmquat 3SL, Trizmet II	—	270/0/40	John Deere 1750 MaxEmerge Plus Vacuum, John Deere 9750 STS
SOUTH CAROLINA										
Michael Young Clinton, SC	305.8587	DEKALB DKC62-08	SS	Cruiser +Poncho	38000	—	—	—	425/175/300	John Deere 7100 John Deere 9600
Daniel Garrick Cope, SC	294.6200	DEKALB DKC65-20	DG-VT2P	Amplify D +Poncho 250	33500	Permethrin	Atrazine, Barrage Impact, Roundup	Quilt Xcel	300/200/250	John Deere 1705 Case IH 7130
SOUTH DAKOTA										
Jim Sheehan Pierre, SD	168.3880	Croplan Seed 4199VT2PRIB	VT2PRIB	Acceleron	30720	—	Aim, Callisto Keystone LA	—	0/0/0	John Deere 1770NT John Deere S680
TENNESSEE										
Justin Woodall Decherd, TN	298.6673	AgriGold A6499 VT2RIB	VT2RIB	None	32000	—	—	—	240/115/60	John Deere 1770NT Claas Lexion 740
Kole Phillips Taft, TN	289.5908	Pioneer P2089VYHR	AVBL,YGCB, HX1,LL,RR2	None	32200	—	Atrazine +Roundup	—	320/130/140	Kinze 3600 Case IH 2188
Kris Phillips Taft, TN	273.7156	Pioneer P2089VYHR	AVBL,YGCB, HX1,LL,RR2	None	31000	—	Atrazine +Roundup	—	300/120/140	Kinze 3600 Case IH 2188
VIRGINIA										
W Hicks Rappahannock Academy, VA	288.9857	Hubner Seeds H4890RC2P	VT2PRIB	Acceleron +Poncho 250	36000	—	Atrazine, Bicep II Gramoxone Max, Zemax, Simazine, Roundup PowerMax	—	375/170/180	John Deere 1790 CCS John Deere S670
Edwin Mills Hanover, VA	287.7299	Pioneer P1464AM™*	AM,LL,RR2	None	31000	—	Resicore, Roundup Sharpen, Simazat	—	310/50/240	Kinze 3660 John Deere S670
Bryan Pearson Hanover, VA	285.2227	Channel 219-77VT2PRIB	VT2PRIB	Acceleron +Poncho 250	33000	—	2,4-D Salvo, AAtrax Halex GT, Princep 4L	Headline AMP	230/20/200	Kinze 3500 Case IH 7230
WEST VIRGINIA										
Todd Widmyer Charles Town, WV	246.1189	Pioneer P1298AM™*	AM,LL,RR2	Acceleron +Poncho 250	35000	—	Lexar, Princep Roundup PowerMax	—	200/90/90	John Deere 1770 Conservation Case IH 1660

DATA ANALYST, CLIMATOLOGIST, FARMER, WORLD RECORD HOLDER.

Congratulations, David Hula, for again setting a new world corn yield record through the National Corn Growers Association Corn Yield Contest. Pioneer is proud to work alongside you in the most complex and rewarding industry on earth.

Pioneer.com/NCGA



616.19	BU/A
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PIONEER® HYBRID P1197YHR

CHARLES CITY, VA



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First Place



DAVID HULA
Charles City, VA

616.1953 bu./acre
Pioneer P1197YHR
Population: 52,100
Harvester: **John Deere S770**

SUPERVISORS

Tom Dunlap: Field Administrator,
Colonial Soil & Water Conservation
Ashlee Washburn Dalton: County Director,
Virginia Farm Service Agency

Some habits you don't want to break. For David Hula, it's establishing new corn yield contest records. His first record-setting performance came in 2013, with a yield of 454 bu./acre. He followed up with a new record of 532 bushels in 2015, then came back two years later with another eye-popper of 542 bushels. Now he's back again with a yield topping 616 bushels, and, yes, another record. "It's still exciting for me," he says. "I enjoy setting personal goals and meeting them." At the same time, Hula shies away from taking sole credit for his accomplishments. "It's taken a whole team of people," he says, "It's also taken God's favor."

Hula was definitely blessed with favorable weather this year. "I don't know how our spring could have been any more ideal," he says. "We had adequate moisture and above normal spring temperatures both day and night."

Those conditions set the stage for uniform stand emergence. "We go all out to get everything right at planting," he says. "When the planter leaves the field, so much of your yield has already been determined."

Utilizing hybrids with a track record of matching up well with his conditions and management is also a keypin of Hula's strategy. This year, he planted **Pioneer P1197YHR**. "It's an older variety," he says. "But over the years, I've grown to understand the characteristics of this corn very well. I've learned how we can improve on it with our management to protect genetic yield potential."

Annual soil testing (grid sampling in one-

acre grids) and weekly tissue sampling (from V3 through black layer) are the cornerstones of Hula's nutrient management program. By using the data generated in those steps, along with extensive records from previous years, Hula is better able to make decisions about timing nutrient applications. "Our goal is to have nutrients out there ahead of when the plants will need them," he explains.

That approach not only boosts Hula's return on investment, it also produces environmental benefits. "We're not just dumping excess fertilizer out there in hopes of getting a result," he says. "Environmental stewardship and economic efficiency go hand in hand."

Being in the contest carries multiple benefits. "It keeps me focused on pushing to do my personal best, and I like comparing our results to what's going on both regionally and nationally," he says. "It's also presented an opportunity to network and visit with other successful growers and given me a chance to share what I've learned with other farmers who want to improve their yields. It's been a very enjoyable and, also, humbling experience."

Basics Add Bushels

- Make uniform stand emergence a priority.
- Choose hybrids that fit your management and environment.
- Use soil tests and tissue samples to better time nutrient applications.

Second Place

CRAIG HULA
Charles City, VA

545.8017 bu./acre
Progeny Ag PGY5115VT2P
Population: 56,000
Harvester: **John Deere S770**

SUPERVISORS

Tom Dunlap: Field Administrator, Colonial Soil & Water Conservation

Phil Hickman: Virginia Department of Ag & Consumer Services

Craig Hula understands growing champion yields requires following a specific to-do list. Following this strategy resulted in Hula earning second place honors in this class with nearly 546 bu./acre.

Uniform stand emergence tops Hula's list of "musts" when it comes to growing a high-yield corn crop. "What you do at the start of the season determines what you'll have for yield at the end of the season," he says. "If you can get all the plants coming out of the ground evenly and at the same time, they won't be competing with each other for nutrients, water and sunlight as the season moves along."

In Hula's case, setting the stage for good emergence started with spending long hours in the farm shop in the late winter/early spring to get the family's **John Deere 1770NT** planter ready for the upcoming season. Along with repairing and replacing worn parts, he also added new Precision Planting features, including Conceal (for more precise nutrient placement) and FurrowForce (for better soil closing).

Hula planted Progeny Ag's PGY5115VT2P. "It was a new one for us," he notes. "It produces a nice, healthy looking plant and very good test weights. It can also handle big winds."

Third Place

RANDY DOWDY
Valdosta, GA

522.9650 bu./acre
Hefty Seed H6524
Population 48,000
Harvester: **Case IH 8250**

SUPERVISORS

William "Hal" Darsey: District Conservationist, Natural Resource Conservation Service
Richard Coleman: District Conservationist, Natural Resource Conservation Service

Randy Dowdy registered his first contest win in 2011. Since then, he's been back in one of the top-three spots in at least one class every year but one (2018). This year, he's back again with a yield of just under 523 bu./acre.

Being in the contest, Dowdy says, pushes him to take "a think outside the box" approach to increasing corn yields. "We use the contest to try new things on a few acres to see if they might work on the entire farm," he says.

Among the new things he's tried successfully in recent years are planting in 15-inch rows and placing starter fertilizers on each side of the furrow at planting. This year, he planted Hefty Seeds' H6524 for the first time. "It has good stalk strength and stay green qualities," Dowdy says. "And the quality of the seed treatment is excellent."

Taking part in the contest, Dowdy says, has also given him a greater appreciation for the value of connecting with other farmers and sharing information. He's now teaming up with Virginia corn grower David Hula to launch a new program called Next Level. "It's another way to pass along what we've learned about growing corn to other farmers to help them improve their yields," he says. "We see it as a way of taking information and paying it forward." For more on Next Level, go to dowdycropinnovations.com.

TOP THREE WINNERS BY CLASS

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
H: STRIP-TILL, MINIMUM-TILL, MULCH-TILL, RIDGE-TILL IRRIGATED										
ALABAMA										
Stuart Sanderson Madison, AL	334.3313	Pioneer P1870YHR	YGCB,HX1, LL,RR2	None	36000	—	—	—	350/0/44	John Deere 1795 John Deere S690
J Howard Hobbs Elkmont, AL	276.4776	DEKALB DKC64-69	VT3P	Acceleron +Poncho 250	32000	—	—	—	200/80/80	John Deere 1795 John Deere 6600
Mike Dee Aliceville, AL	251.1329	DEKALB DKC65-93	RR2	Poncho 250	32400	—	Atrazine 4L Resicore Roundup Max	Stratego YLD	300/64/117	John Deere 1720 Stack-Fold MaxEmerge Plus John Deere S690
ARKANSAS										
Drew Woolverton Pollard, AR	273.0058	DEKALB DKC68-69	VT2P	Acceleron +Poncho 250	40000	—	Atrazine 90DG Brawl II, Roundup PowerMax	Trivapro	280/90/90	Case IH 1235 John Deere S670
Clay Smith Paragould, AR	250.3482	DEKALB DKC70-27	VT2P	Acceleron +Poncho 250	35500	Besiege	Atrazine 4L Halex GT, Zidua	Trivapro	333/120/140	John Deere 1720 CCS Stack-Fold John Deere S670
Bubba Sink Newport, AR	246.9206	Pioneer P1870YHR	YGCB,HX1, LL,RR2	Cruiser 250/Raxil	35000	—	Atrazine 4L Metalachlor, Realm Q	Trivapro	280/60/90	John Deere 1720 Integral Stack-Fold Case IH 8240
CALIFORNIA										
Robert Sproat Live Oak, CA	324.8316	LG Seeds ES7514VT2P	VT2PRO	Acceleron +Poncho 250	38000	—	Gly Star Plus Gramoxone Inteon	—	320/150/280	Monosem NG Plus 4 Case IH 1680
COLORADO										
Brian Hornung Stratton, CO	217.9623	Pioneer P0801AM™	AM,LL,RR2	Apron Max +Poncho 250	30000	—	Anthem ATZ	—	240/40/20	John Deere 1775NT New Holland CR8090
DELAWARE										
C Wyatt Harrington, DE	296.2839	DEKALB DKC62-53RIB	VT2PRIB	Acceleron +Poncho 250	35000	Capture Warrior II	Lexar+Roundup Roundup	Trivapro	300/17/25	Kinze 3660 John Deere 9770 STS
FLORIDA										
Christopher Dietrich Graceville, FL	284.7267	Pioneer P1870†	CONV	None	35000	Bifenthrin	Atrazine+Roundup Laudis	Approch Prima	300/110/300	John Deere 1700 MaxEmerge XP Case IH 1680
Craig Bishop Marianna, FL	263.7315	DEKALB DKC70-26	SS	None	36000	—	Atrazine Roundup	Trivapro	0/0/0	John Deere 1720 John Deere 660
Gordon Dietrich Graceville, FL	257.1105	DEKALB DKC62-08	SS	None	35000	Bifenthrin	Atrazine+Roundup Laudis	Approch Prima	300/110/300	John Deere 1700 MaxEmerge XP Case IH 1680
GEORGIA										
Randy Dowdy Valdosta, GA	522.9650	Hefty Seed H6524	SS	Poncho 500	48000	—	Atrazine+Roundup	—	500/200/500	Harvest International Ultra Plant Series 40, Case IH 8250
Jared Dowdy Valdosta, GA	430.0318	AgriGold A6499STX	STX	Poncho 500	44000	—	—	—	450/100/450	Harvest International Ultra Plant Series 40, Case IH 8250
James Hitchcock Tennille, GA	298.0135	DEKALB DKC62-08RIB	SSRIB	Acceleron +Poncho 250	38292	Besiege	Atrazine 90 DF Steadfast Q	Trivapro	325/140/275	John Deere 1725 Integral Stack-Fold, John Deere S780
IOWA										
Mark Schleisman Lake City, IA	278.6133	AgriGold A642-59 STXRIB	STXRIB	Acceleron +Poncho 250	34000	—	—	—	73/0/0	John Deere 1775NT John Deere S780
Amana Farms Amana, IA	278.3874	Pioneer P1639WAM™†	AM,LL,RR2	Poncho 1250 +VOTIVO	34950	—	—	—	0/0/0	John Deere DB60 John Deere S680
IDAHO										
Billy Wolfe Grand View, ID	304.7011	Pioneer P0157R	RR2, AQ	None	39000	Onager	Roundup PowerMax Status, Verdict	—	302/155/100	John Deere 1700 MaxEmerge XP Case IH 7230
Nicole Hufts Gooding, ID	259.5873	DEKALB DKC49-73RIB	VT2PRIB	Poncho 500 +Nemasect +Poncho 2.0	36500	—	Dicamba Mad Dog Plus Status	—	250/40/40	John Deere 1720 MaxEmerge XP John Deere S670

TOP THREE WINNERS BY CLASS

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
H: STRIP-TILL, MINIMUM-TILL, MULCH-TILL, RIDGE-TILL IRRIGATED										
David Hults Gooding, ID	246.7062	DEKALB DKC54-38RIB	SSRIB	Poncho 500+ Nemasect+Poncho 2.0	36500	—	Dicamba, Mad Dog Surpass	—	250/40/40	John Deere 1720 MaxEmerge XP John Deere S670
ILLINOIS										
Mike Bundy Carman, IL	280.0984	Pioneer P1751AMT™	AMT,LL,RR2	None	32000	—	—	—	261/103/75	John Deere 1770NT John Deere 9670 STS
INDIANA										
Dave Smith Rochester, IN	307.2871	Pioneer P1464AML™*	AML,LL,RR2	Poncho 1250 +VOTiVO	36000	—	AAtrex Lumax	—	400/80/300	John Deere 1775NT John Deere S780
Ben Kron Evansville, IN	299.0746	LG Seeds LG62C02VT2RIB	VT2RIB	Acceleron +Poncho 250	34000	—	Lexar+Roundup	—	300/200/300	White 8824 New Holland CR7090
Kevin Smith Rochester, IN	292.1803	Pioneer P0574AM™	AM,LL,RR2	Poncho 1250 +VOTiVO	44000	—	AAtrex Lumax	—	420/52/240	John Deere 1775NT John Deere S780
KANSAS										
Ryan Jagels Garden City, KS	311.0862	Pioneer P1828AM™	AM,LL,RR2	Poncho 1250 +VOTiVO	32000	—	—	—	275/0/0	John Deere 1720 Stack-Fold MaxEmerge Plus John Deere 9670 STS
Rusty Sherwood Sublette, KS	293.1308	Pioneer P1828AM™	AM,LL,RR2	None	23000	—	—	—	240/50/0	John Deere 1720 CCS John Deere S780
Jared Oatney South Hutchinson, KS	286.6811	Pioneer P2089AML™*	AML,LL,RR2	None	30000	—	Acuron	—	300/50/80	John Deere 1770 NT CCS John Deere 9870
KENTUCKY										
Meredith Halcomb Adairville, KY	294.2616	Pioneer P2089AM™	AM,LL,RR2	PPST 250	35500	—	2,4-D LV4, AAtrex 4L Abundit Extra, Leadoff Steadfast Q, Status	—	242/0/0	John Deere DB60 John Deere S680
Tony Folz Herndon, KY	285.8785	Beck's Hybrids 6274VT2P	VT2P	Escalate	33000	—	Atrazine 4F Balance Flexx Buccaneer 5, Callisto	Azoxystrobin Quilt Xcel	275/72/78	John Deere 1770 NT CCS John Deere S780
Joel Armistead Adairville, KY	274.1449	DEKALB DKC70-27RIB	VT2PRIB	Acceleron	37500	—	2,4-D LV6, Status AAtrex NineO DF Me-Too Lachlor II Roundup PowerMax Simazine 90DF	Trivapro	210/150/100	John Deere DB44 Claas Lexion 740
LOUISIANA										
Kody Beavers Fort Necessity, LA	272.5971	Pioneer P1870YHR	YGCB,HX1, LL,RR2	PPST 250	33000	—	2,4-D+Roundup Atrazine, Roundup	—	0/0/0	John Deere 1720 John Deere 9760 STS
Jack Dailey Fort Necessity, LA	268.4517	Pioneer P1870YHR	YGCB,HX1, LL,RR2	PPST 250	33000	—	2,4-D+Roundup Atrazine, Roundup	—	0/0/0	John Deere 1720 John Deere 9760 STS
Nolan Clark Mer Rouge, LA	266.8565	DEKALB DKC70-27	VT2P	Apron, Maxim	44000	—	—	—	245/50/75	John Deere 1720 CCS Twin Row John Deere S680
MARYLAND										
Bruce Bartz Denton, MD	318.6973	DEKALB DKC70-27RIB	VT2PRIB	Acceleron	40000	Fanfare	Callisto Infantry 4L	Trivapro	300/100/400	Kinze 3600 John Deere 9870 STS
Gary King Princess Anne, MD	286.7648	Pioneer P1197AM™	AM,LL,RR2	Poncho 1250 +Raxil	35000	—	Abundit Extra Atrazine 4L, Corvus	—	250/0/0	Kinze 3660 John Deere 9770 STS
Catherine Bostic Church Hill, MD	278.7938	AgriGold A6544 STXRIB	STXRIB	None	33000	—	—	—	320/150/150	John Deere 1790 CCS John Deere S660
MICHIGAN										
Marshall Landis Schoolcraft, MI	286.8280	DEKALB DKC56-45RIB	SSRIB	None	35000	—	Acuron	—	130/80/100	John Deere 1770NT CCS ProXP John Deere S780

TOP THREE WINNERS BY CLASS

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
H: STRIP-TILL, MINIMUM-TILL, MULCH-TILL, RIDGE-TILL IRRIGATED										
Garrett Walters Burr Oak, MI	275.5686	AgriGold A6499 VT2RIB	VT2RIB	None	44000	—	Callisto Cinch ATZ	—	0/0/0	John Deere 1770NT Case IH 2366
Evan Landis Three Rivers, MI	273.2382	DEKALB DKC62-52RIB	SSRIB	None	35000	—	Acuron	—	150/100/100	John Deere 1775NT John Deere S780
MINNESOTA										
Deanna Sobeck Winona, MN	254.4790	DEKALB DKC62-20RIB	VT2PRIB	Acceleron +Poncho 250	37000	—	AAtrax, Resicore Roundup	—	250/48/150	Kinze 3600 Case IH Axial-Flow 5088
Roger Huhn Litchfield, MN	249.7475	Pioneer P0589AM™	AM,LL,RR2	AM/LL/RR2/AQ	33500	—	Generic Roundup SureStart	—	0/0/0	Case IH 1240 Pivot-Transport Early Riser, Claas Lexion 760
Joseph Hopkins Buffalo, MN	243.8384	Pioneer P0421AM™	AM,LL,RR2	PPST 250	32800	—	AAtrax 4L, Abundit Resicore	—	260/40/120	Case IH 1250 Case IH 8120
MISSOURI										
Charles Hinkebein Chaffee, MO	280.3367	DEKALB DKC68-69 VT2PRIB	VT2PRIB	Poncho 500	32500	Capture LFR	AAtrax Acuron	—	290/90/60	John Deere 1720 MaxEmerge XP Case IH 9230
Carl Landewee Chaffee, MO	278.6534	FS InVISION FS 6595V RIB	VT2P RIB	Poncho 500	32500	Capture LFR	AAtrax Acuron	—	290/90/60	John Deere 1720 MaxEmerge XP Case IH 9230
Glenda Hinkebein Chaffee, MO	276.3989	AgriGold A6544 VT2RIB	VT2RIB	Poncho 500	32500	Capture LFR	AAtrax Acuron	—	290/90/60	John Deere 1720 MaxEmerge XP Case IH 9230
MISSISSIPPI										
Christian Good Macon, MS	250.5179	DEKALB DKC67-44	VT2P	Poncho 250	35000	—	Atrazine 4L Halex GT	—	230/50/50	John Deere 1720 MaxEmerge XP John Deere S670
Scott Hunter Glen Allan, MS	248.0326	Pioneer P2089VYHR	AVBL,YGCB, HX1,LL,RR2	None	36000	—	—	—	0/0/0	John Deere 1720 MaxEmerge XP John Deere S780
Jodie More Aliceville, AL	239.1832	AgriGold A6659 VT2PRO	VT2PRO	Poncho 250	34000	—	Atrazine 4L Resicore Roundup Max	Stratego YLD	300/64/117	John Deere 1720 Stack-Fold MaxEmerge Plus John Deere S690
MONTANA										
Justin Watson Hardin, MT	234.1099	DEKALB DKC43-10RIB	VT2PRIB	None	37000	—	Roundup PowerMax	—	0/0/0	John Deere 7300 MaxEmerge 2 John Deere S670
Bart Icopini Hysham, MT	217.5674	Pioneer P9998AM™	AM,LL,RR2	Poncho 250	38000	—	Durango, Outlook Sharpen	—	172/100/70	Monosem NG Plus Case IH 9230
Brent Icopini Hysham, MT	199.9070	Pioneer P9330AM™	AM,LL,RR2	Poncho 250	38000	—	Durango, Outlook Status, Verdict	—	172/100/70	Monosem NG Plus Case IH 9230
NORTH CAROLINA										
Robert Naylor Clinton, NC	286.8989	Pioneer P1847VYHR*	AVBL,YGCB, HX1,LL,RR2	Poncho 1250 +VOTIVO	33000	Mustang MAX	Atrazine, Dual Roundup	Approch Prima	300/0/300	John Deere 7300 MaxEmerge 2 John Deere 9670
Andy Herring Dunn, NC	266.7612	Pioneer P1637VYHR	AVBL,YGCB, HX1,LL,RR2	Poncho 1250 +VOTIVO	29500	Bifenthrin Mustang MAX	Leadoff Roundup	Approch Prima	330/0/191	Kinze 3140 John Deere S660
Jack Buie Red Springs, NC	264.8241	Pioneer P1197YHR	YGCB,HX1, LL,RR2	Poncho 1250	31000	—	—	—	275/120/160	Case IH 1200 Claas Lexion 585-R
NORTH DAKOTA										
Donna Frauenberg Lamoure, ND	283.3963	DEKALB DKC45-66RIB	VT2PRIB	Acceleron +Poncho 250	39000	—	Atrazine+Roundup Harness	—	195/156/180	John Deere DB66 Case IH 9230
Justin Quandt Oakes, ND	246.2104	Pioneer P0306AM™	AM,LL,RR2	Poncho 1250	34500	—	Breakfree ATZ Lite Roundup PowerMax	—	300/50/15	White 9824 Case IH 9230
NEBRASKA										
Daren Meysenburg Bellwood, NE	314.7107	Pioneer P1828AM™	AM,LL,RR2	Poncho 1250 +VOTIVO	32000	—	Atrazine 4L Resicore	—	270/80/60	John Deere 1720 CCS Stack-Fold John Deere S680

TOP THREE WINNERS BY CLASS

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
H: STRIP-TILL, MINIMUM-TILL, MULCH-TILL, RIDGE-TILL IRRIGATED										
Rex Luebbe Central City, NE	301.4908	Pioneer P1828AM™	AM,LL,RR2	Apron Max +Poncho 250	33500	—	—	—	201/75/50	Case IH 1230 Stackbar Early Riser Case IH 8250
Bruce Schmit Bellwood, NE	299.3054	LG Seeds LG5643VT2PRO	VT2PRO	Cruiser 250	36000	—	Acuron	—	240/52/60	Kinze 3400 Massey Ferguson 9560
NEW JERSEY										
Tim Doyle Clayton, NJ	299.9356	Pioneer P1197AM™	AM,LL,RR2	None	34500	Ethos XB Mustang MAX	Halex GT Roundup	Headline AMP Trivapro	300/150/175	John Deere 1790 CCS John Deere 9560
Eric Eachus Mullica Hill, NJ	287.7902	DEKALB DKC64-34RIB	SSRIB	None	40000	—	Acuron	—	200/100/100	John Deere 1795 Claas Lexion 740
NEW MEXICO										
Ryan Garcia Farmington, NM	311.3209	Pioneer P0801AM™	AM,LL,RR2	Cruiser 250/Raxil	39000	Blackhawk Naturalyte Insect Control	Cinch ATZ Resolve Q Roundup PowerMax	Approch Prima	300/40/75	John Deere 1750 Vacuum John Deere 9450
Jared Gordon Dalhart, TX	291.8338	Pioneer P1828AM™	AM,LL,RR2	Lumivia	32000	—	—	—	300/60/20	John Deere 1770NT Case IH 8230
OHIO										
Scott Haerr Springfield, OH	287.3238	Pioneer P0825AM™	AM,LL,RR2	None	32250	—	—	—	234/118/0	John Deere 1770NT John Deere S780
OKLAHOMA										
Austin Sage Texline, TX	296.2262	Pioneer P1828AM™	AM,LL,RR2	Lumivia	32000	—	—	—	300/50/25	John Deere 1770 NT CCS John Deere S670
Neal Hofferber Hooker, OK	278.0793	AgVenture AV8614AM™	YGCB,HXX, LL,RR2	Capture	30000	—	—	—	250/60/0	John Deere 1770 NT CCS John Deere S670
Allen Pfannstiel Dalhart, TX	267.1006	Pioneer P1370Q™	Q,LL,RR2	Poncho 1250 +VOTIVO	32000	—	—	—	300/50/50	John Deere 1775NT John Deere S780
OREGON										
Dean Harris Umatilla, OR	330.8047	Pioneer P1366AM™	AM,LL,RR2	Cruiser 250/Raxil	37307	—	—	—	270/1/0	John Deere 1700 MaxEmerge Vacuum John Deere S680
Eti Ena Boardman, OR	317.4324	Pioneer P0589AM™	AM,LL,RR2	Cruiser 250/Raxil	40000	—	—	—	206/45/0	John Deere 1700 MaxEmerge Vacuum John Deere S680
Miranda Taylor Boardman, OR	280.2973	DEKALB DKC62-08	SS	Acceleron 500	37250	—	Dual II Magnum Roundup RT	—	317/60/0	John Deere 1760NT John Deere 9760 STS
PENNSYLVANIA										
Eric Charles Lancaster, PA	323.1911	DEKALB DKC62-52RIB	SSRIB	Acceleron +Poncho 250	38500	—	Acuron, Gly Star Plus Halex GT, Peak	Miravis Priaxor	300/40/50	Case IH 2150 Early Riser Front Fold Case IH 8010
SOUTH CAROLINA										
Russ Jameson Orangeburg, SC	306.3421	DEKALB DKC70-27	VT2P	Amplify L+ Poncho 250	36200	Counter 20 G	Atrazine 90 DF Roundup PowerMax	Approch Prima	270/40/100	John Deere 1700 MaxEmerge XP Case IH 7140
Ray Jameson Orangeburg, SC	296.0432	Pioneer P1847VYHR*	AVBL,YGCB, HX1,LL,RR2	Amplify L +Poncho 250	35200	Counter 20 G	Atrazine 90 DF Roundup PowerMax	Approch Prima	270/40/100	John Deere 1700 MaxEmerge XP Case IH 7140
Daniel Garrick Cope, SC	289.1287	DEKALB DKC65-20	DG-VT2P	Amplify L +Poncho 250	33000	Permethrin	Atrazine, Barrage Impact, Roundup	Quilt Xcel	300/200/250	John Deere 1705 Case IH 7130
SOUTH DAKOTA										
Tyler and Jerry Poeschl Yankton, SD	280.8311	Pioneer P1366AM™	AM,LL,RR2	None	36000	—	—	—	275/80/80	John Deere 1775NT John Deere S770
John Yaggie Yankton, SD	277.8917	Pioneer P1366AM™	AM,LL,RR2	None	32000	—	—	—	200/55/50	John Deere 7100 John Deere 9500

TOP THREE WINNERS BY CLASS

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
H: STRIP-TILL, MINIMUM-TILL, MULCH-TILL, RIDGE-TILL IRRIGATED										
TENNESSEE										
Hunter Hooper Brownsville, TN	327.7063	DEKALB DKC70-27	VT2P	Poncho 500	40000	Lambda	Atrazine, Dicamba Halex GT, Roundup PowerMax	Trivapro	325/90/150	John Deere 1795 John Deere S780
Landon Coates Martin, TN	259.5669	Pioneer P1870AM™	AM,LL,RR2	Cruiser 250	32000	—	Atrazine 4L Halex GT	—	0/0/0	John Deere 1795 John Deere S690
UTAH										
Ross Summers Tremonton, UT	246.7562	DEKALB DKC52-68RIB	VT2PRIB	None	38000	—	—	—	300/60/0	John Deere 1700 MaxEmerge XP John Deere S680
Lynn Summers Tremonton, UT	227.6897	DEKALB DKC49-72RIB	SSRIB	None	38500	—	—	—	300/50/0	John Deere 1700 MaxEmerge XP John Deere S680
Kyle Swallow Fillmore, UT	219.2754	Pioneer P1151R	RR2	Amplify D+ Poncho 1250	38000	Capture LFR Ethos XB	Atrazine 4L, Class Act Roundup PowerMax Vision	—	200/15/5	John Deere Custom Made John Deere S670
VIRGINIA										
David Hula Charles City, VA	616.1953	Pioneer P1197YHR	YGCB,HX1, LL,RR2	Poncho 1250 - VOTIVO - Invigor 8	52100	Besiege Tombstone	Bicep II Halex GT Roundup	Headline AMP Priaxor	580/217/460	John Deere 1770NT John Deere S770
Craig Hula Charles City, VA	545.8017	Progeny Ag PGY 5115 VT2P	VT2P	Poncho 1250 +VOTIVO	56000	Besiege Tombstone	Bicep II Halex GT Roundup	Headline AMP Priaxor	500/360/500	John Deere 1770NT John Deere S770
JR Newcomb Hanover, VA	310.2291	Pioneer P1197AM™	AM,LL,RR2	Poncho 1250 +VOTIVO	33000	—	Barrage HF, Resicore Simazat 4L, Vision	—	350/50/300	Kinze 3600 Case IH 8240
WASHINGTON										
Shawn Clausen Warden, WA	319.0769	DEKALB DKC54-38RIB	SSRIB	None	38000	—	Clarity Roundup PowerMax	—	250/0/0	John Deere 1720 MaxEmerge XP John Deere S680
Jermey Tuttle Prosser, WA	315.9320	DEKALB DKC62-06	CONV	None	38500	—	Atrazine+Glyphosate Atrazine+Impact	—	325/0/0	John Deere 1720 Stack-Fold MaxEmerge Plus John Deere S780
WISCONSIN										
David Arndt Janesville, WI	283.1765	Pioneer P0720Q™	Q,LL,RR2	Poncho 250	36500	—	AAtrex NineO DF, Hornet Outlook, Status Roundup PowerMax	—	133/24/0	Kinze 3600 Gleaner S77
Mark Bacon Hancock, WI	268.9666	DEKALB DKC52-68RIB	VT2PRIB	Acceleron	33500	—	Credit Extra Parallel	—	274/48/120	John Deere 1725 Integral Stack-Fold John Deere S680
Matt & Gene Larsen Baraboo, WI	262.4180	AgriGold A635-54 VT2RIB	VT2RIB	Acceleron	36000	—	—	—	200/0/0	John Deere 1770 NT CCS John Deere 9770 STS
WEST VIRGINIA										
Ann Widmyer Charles Town, WV	237.3812	Pioneer P1197AM™	AM,LL,RR2	Poncho 1250	34000	—	Lexar, Princep 4L Roundup PowerMax	—	200/90/90	John Deere 1770 Conservation Case IH 1660
WYOMING										
Rick Cook Lingle, WY	239.5791	Pioneer P0339AMXT™	AMXT,LL,RR2	Lumivia	34000	—	Generic Roundup	—	0/0/0	John Deere 1760NT MaxEmerge XP Case IH 1660
Robert Cook Lingle, WY	226.5500	Pioneer P9870AM™	AM,LL,RR2	None	32000	—	Roundup PowerMax Verdict	—	230/50/30	Case IH 1235 Stackbar Early Riser Case IH 8010
Chris Cook Lingle, WY	219.6775	Pioneer P9870AM™	AM,LL,RR2	None	31000	—	Roundup PowerMax Verdict	—	250/50/30	Case IH 1235 Stackbar Early Riser Case IH 8010

First Place



BRIDGET DOWDY

Valdosta, GA

552.9674 bu./acre
AgriGold A6499STX
Population: 48,000
Harvester: Case IH 8250

SUPERVISORS

William "Hal" Darsey: District Conservationist, Natural Resource Conservation Service
William Nichols: Young Farmer Advisor, Berrien County

Several changes Bridget Dowdy made to her corn production practices a few years ago helped to set the stage for her winning yield in this class.

Dowdy's yield of nearly 553 bu./acre was built around following a core set of management practices. For starters, she waited to plant until conditions were optimum. "We want soil temperatures to be 56 degrees at a two-inch depth and we want to be able to maintain that," she notes.

She planted AgriGold A6499STX at a population of 48,000 seeds/acre in 15-inch rows. "We started with the narrow rows about four years ago," she explains. "We had been doing it with soybeans before that and had had some success so we thought we'd try it with corn. We think it gives the plants a chance to utilize more of the fertility in the soil, and it helps capture more sunlight."

At planting, Dowdy placed starter fertilizer two inches below and two inches to each side of the seed row. "It makes nutrients more readily available early on," she says.

For nutrient management, Dowdy relied on results from soil tests and tissue samples to make decisions about application timing and rates. "Our goal is to get nutrients put out there in the right amount and at growth stages where the plants can make the best use of them," she says. "It's important for yield, but it has environmental

benefits, too. We're not just throwing fertilizer out there and hoping some of it gets used. We're always focused on return on investment, but keeping our soils healthy and our water clean is an important part of that. This isn't just about winning a contest, it's about sustainability."

To keep plants healthy and green longer into the season, Dowdy made three fly-on fungicide applications using a different product for each application. "They all have a slightly different mode of action," she says. "We've been trying to determine which product is most beneficial at each stage. We're especially interested in BASF's **Velityma** and its ability to reduce ethylene production in the plant when the corn is undergoing some kind of stress. It's something we'll definitely be taking a closer look at going forward."

Dowdy adds the biggest benefit for corn growers who take part in the contest is, "It encourages you to think outside the box and keeps you striving to get better."

Basics Add Bushels

- Place fertilizer on both sides of the seed row at planting.
- Use contest acres to try out new practices and products.
- Utilize fungicides to keep plants green and healthy longer.

Second Place

KEVIN DOWDY

Valdosta, GA

478.0224 bu./acre
Pioneer P1870YHR
Population: 44,000
Harvester: Case IH 8250

SUPERVISORS

William "Hal" Darsey: District Conservationist, Natural Resource Conservation Service
Richard Coleman: Soil Conservationist, Natural Resource Conservation Service

It takes doing all kinds of things to occur just right to produce a corn yield high enough to warrant recognition in the national contest. Kevin Dowdy puts uniform emergence at the top of his list.

"Everybody wants 300-bushel corn," says Dowdy, who this year posted a yield of 478 bu./acre and earned a second-place award in this class. "To get it, you have to start with a 300-bushel stand. This year, we had a nearly 500-bushel stand."

To Dowdy, ideal emergence means having all plants coming out of the ground simultaneously. "When an individual plant fails to come up when its neighbors come up, it is essentially a weed," he says. "Yield loss is inevitable."

Planting when soil and environmental conditions (including a minimum soil temperature of 56 degrees at a depth of two inches) are just right is one of Dowdy's keys to high yields. He also takes his time planting. "You have to get each seed planted at just the right depth with equally distant spacing," he says.

Spending time, lots of it, with his crop is another important component of Dowdy's game plan. During the season, he walks each contest field at least once a week. "You can't just drive by in the pickup truck and think you're getting an accurate picture of what's going on with the corn," he says.

Third Place

MICHELLE DOWDY-DEESE

Valdosta, GA

393.0513 bu./acre
AgriGold A641-06VT2PRO
Population: 40,000
Harvester: Case IH 8250

SUPERVISORS

William "Hal" Darsey: District Conservationist, Natural Resource Conservation Service
Olivia Nicole Smith: Soil Conservationist, Natural Resource Conservation Service

The importance of regular scouting can't be overemphasized when you're pursuing high yields, says Michelle Dowdy-Deese. That attention to detail in the field produced a third-place finish with a yield of 393 bu./acre.

Throughout the season, Dowdy-Deese walked her contest entry field at least once a week. "The best thing a farmer can see out in the field is her own shadow," she notes. "We want to stay up to date on everything that's going on with the crop. If we find a problem, we want to get ahead of it before it gets out of hand."

Up to this point, Dowdy-Deese hasn't made use of drones or satellite imagery to supplement her scouting. "They have a place," she says. "They can provide useful pieces of information. But there's just no substitute for going out into the field and taking an up-close and personal look at the corn."

She remained mindful that her own efforts to produce a top yield are just one piece in a larger picture. "We rely on the good Lord for so much," she says. "If He doesn't give us good weather or good health or guide us in making decisions, it really won't matter much what we do. I am the author of my crop production success, but God is the finisher. He has really blessed us."

TOP THREE WINNERS BY CLASS

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
I: CONVENTIONAL IRRIGATED										
ALABAMA										
Chad Henderson Madison, AL	355.7103	Pioneer P2089VYHR	AVBL,YGCB, HX1,LL,RR2	None	34200	—	—	—	375/60/60	John Deere 1795 John Deere S690
Mike Henderson Madison, AL	332.0609	Pioneer P1870YHR	YGCB,HX1, LL,RR2	None	34200	—	—	—	375/60/145	John Deere 1795 John Deere S690
ARKANSAS										
Bruce Catt Corning, AR	284.3671	Pioneer P1870YHR	YGCB,HX1, LL,RR2	Poncho 250	35000	—	Atrazine Roundup	—	250/100/100	John Deere 1720 MaxEmerge XP John Deere S690
Scott Young Portland, AR	283.3863	DEKALB DKC70-27	VT2P	Acceleron +Poncho 250	38000	—	—	—	260/48/48	Great Plains 3PYP John Deere 6620
Terry Smith Paragould, AR	267.8308	DEKALB DKC70-27	VT2P	Acceleron +Poncho 250	35500	—	Atrazine 4F Halex GT, Zidua	Priaxor	230/90/120	John Deere 1720 CCS Stack-Fold John Deere S670
CALIFORNIA										
Doug Ruble Visalia, CA	359.0652	Pioneer P1870AM™	AM,LL,RR2	PPST 250	39820	Oberon 4SC	Roundup +Status	Stratego YLD	350/60/120	White 5700 Case IH 2588
COLORADO										
Bryan Crites Avondale, CO	295.0860	DEKALB DKC63-07RIB	VT3PRIB	None	32000	—	Roundup	—	275/35/0	Monosem NG Plus 3 Case IH 2388
Zack Ahlberg Delta, CO	288.5996	DEKALB DKC54-36	CONV	Acceleron +Poncho 250	34500	—	—	—	335/190/105	John Deere 1725 CCS Stack-Fold John Deere 9770
Nick Genova Pueblo, CO	271.8208	Pioneer P1828AM™	AM,LL,RR2	Lumivia Raxil	32000	—	—	—	240/0/0	Monosem NG Plus 4 Case IH 1640
DELAWARE										
Brian Tull Seaford, DE	312.9311	DEKALB DKC65-95RIB	VT2PRIB	None	35500	—	—	—	300/50/160	Case IH 2150 Early Riser Front Fold Case IH 7240
Zachary Collins Laurel, DE	305.0731	Axis 62A58	GENSSRIB	Poncho 250	35000	—	Bicep II Magnum Callisto, Roundup	—	345/35/250	Kinze 3650 Case IH Axial-Flow 7120
Clarence Dempsey Dover, DE	298.7214	Hubner Seeds H4890RC2P	VT2PRIB	Acceleron +Poncho 250	33000	—	—	—	0/0/0	John Deere 1770NT John Deere S670
FLORIDA										
Ethan Cone Jennings, FL	261.1257	DEKALB DKC62-08	SS	Amplify D +Poncho	35000	—	Atrazine 4L Dual II Magnum Roundup WeatherMax	—	290/90/400	Monosem Twin Row John Deere 9670 STS
Jack Flowers Live Oak, FL	219.9093	DEKALB DKC62-08	SS	Amplify L +Poncho 250	32500	—	Atrazine 4L Glyphos Outlook	—	240/0/200	John Deere 1700 MaxEmergePlus Vacuum John Deere 9760
GEORGIA										
Bridget Dowdy Valdosta, GA	552.9674	AgriGold A6499STX	STX	Poncho 500	48000	—	—	—	500/200/500	Harvest International Ultra Plant Series 40, Case IH 8250
Kevin Dowdy Valdosta, GA	478.0224	Pioneer P1870YHR	YGCB,HX1, LL,RR2	Poncho 500	44000	—	Atrazine+Roundup	—	500/200/500	Harvest International Ultra Plant Series 40, Case IH 8250
Michelle Dowdy-Deese Valdosta, GA	393.0513	AgriGold A641-06 VT2PRO	VT2PRO	Poncho 500	40000	—	—	—	450/100/450	Harvest International Ultra Plant Series 40, Case IH 8250
IOWA										
Kim Dummermuth Elgin, IA	283.4117	Pioneer P1366Q™	Q,LL,RR2	Poncho 1250 +VOTVO	35500	Force 3.0	Abundit Atrazine, Resicore	Approch Prima	225/100/100	John Deere 1770NT John Deere 9560 STS
Ben Klocke Templeton, IA	269.4005	AgriGold A6499 STXRIB	STXRIB	Poncho 500	32500	Bifenthrin	Buccaneer 5 Dicamba, Stalwart	—	250/0/0	John Deere DB60 Claas Lexion 740

TOP THREE WINNERS BY CLASS

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
I: CONVENTIONAL IRRIGATED										
Dave Klocke Templeton, IA	268.0510	Pioneer P1108Q™	Q,LL,RR2	PPST 250	34000	—	—	—	0/0/0	John Deere DB60 Claas Lexion 740
IDAHO										
Mike Moyle Star, ID	280.2420	Pioneer P1055AM™*	AM,LL,RR2	Dynasty +Poncho 250	35000	—	Atrazine 4F Roundup PowerMax	—	350/40/88	Monosem MS Single Row John Deere JD9620
Kay Huits Wendell, ID	279.6567	DEKALB DKC52-61RIB	VT2PRIB	Acceleron +Poncho 250	36000	—	—	—	250/40/40	John Deere 1720 MaxEmerge XP John Deere S670
Richard Cowger Twin Falls, ID	270.6647	DEKALB DKC49-72RIB	SSRIB	Acceleron +Poncho 250	44000	—	—	—	310/100/70	John Deere 1720 Integral Stack-Fold John Deere 9760 STS
ILLINOIS										
Phil Friedrich Green Valley, IL	314.9936	DEKALB DKC64-34	SS	None	38000	—	Medal II ATZ Princep	—	300/40/75	John Deere DB66 John Deere S670
Brian Edler Valmeyer, IL	264.7570	DEKALB DKC70-27RIB	VT2PRIB	None	35000	—	Cinch ATZ Realm Q	Delaro	300/300/150	John Deere 1770NT John Deere 9570 STS
Jeff Scates Shawneetown, IL	227.6816	Pioneer P1464AML™*	AML,LL,RR2	Poncho 250 +Raxil	33000	—	—	—	300/200/200	John Deere DB80 John Deere S690
INDIANA										
Brooks Cardinal Oaktown, IN	319.6575	AgriGold A6572 STX	STX	Poncho 500	36000	—	Armezon Pro	—	350/115/180	John Deere 1775NT John Deere S670
Jerry Cardinal Oaktown, IN	313.8092	AgriGold A6499 STX	STX	Poncho 500	38000	—	Armezon Pro	—	350/115/180	John Deere 1775NT John Deere S670
Josh Anthis Sandborn, IN	298.4426	AgriGold A644-32TRCIB	Trecepta RIB	None	33000	—	Cinch ATZ Gramoxone, Rifle	—	350/250/300	White 9800 Narrow Transport Claas Lexion 740
KANSAS										
Ben Amerin Plains, KS	297.8280	DEKALB DKC70-26RIB	SSRIB	Acceleron	38000	—	Acuron Zidua	Delaro	360/75/75	John Deere 1735 John Deere 9760 STS
Cory Zenger Mullinville, KS	288.2778	Pioneer P2089AML™*	AML,LL,RR2	Cruiser 250/Raxil	28000	—	—	—	0/0/0	John Deere 1725 Integral Stack-Fold John Deere S770
Grant Webber Sublette, KS	284.7054	Pioneer P1828AM™	AM,LL,RR2	None	36500	—	—	—	0/0/0	John Deere DB60 John Deere S680
KENTUCKY										
Jerry Knott Owensboro, KY	293.6306	DEKALB DKC67-44	VT2P	Acceleron +Poncho 250	33000	—	Lexar	—	200/0/0	Case IH 955 Early Riser Claas Lexion 740
Lea Meredith Reed, KY	281.6426	Pioneer P2089AML™*	AML,LL,RR2	PPST 250	36000	—	Acuron	Trivapro	0/0/0	John Deere 1790 CCS John Deere 9870
Phillip Meredith Reed, KY	268.5654	AgriGold A6711 VT2PRO	VT2PRO	Poncho 250	37500	—	Acuron	Trivapro	225/60/54	John Deere 1790 CCS John Deere 9770 STS
LOUISIANA										
Randy Moroni Winnsboro, LA	263.3419	Pioneer P1870YHR	YGCB,HX1, LL,RR2	Cruiser 250/Raxil	33000	—	—	—	280/90/120	John Deere 1700 MaxEmerge XP John Deere S670
Wil Miller Ferriday, LA	254.4845	Pioneer P1870YHR	YGCB,HX1, LL,RR2	Cruiser 250	33000	—	—	—	250/35/90	John Deere 1720 John Deere S690
Case Moroni Winnsboro, LA	254.4073	Pioneer P1870YHR	YGCB,HX1, LL,RR2	Cruiser 250/Raxil	33000	—	—	—	280/90/120	John Deere 1700 MaxEmerge XP John Deere S670
MASSACHUSETTS										
William Llewellyn Northfield, MA	307.8301	Pioneer P9998AM™	AM,LL,RR2	Acceleron +Poncho 250	40000	—	Lumax EZ	—	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
I: CONVENTIONAL IRRIGATED										
MARYLAND										
Jason Sheubrooks Sudlersville, MD	296.1923	DEKALB DKC62-53RIB	VT2PRIB	Poncho 250	36000	—	AAtrex + Princep Halex GT	Trivapro	300/50/150	John Deere 1775NT Case IH 8230
David Denny Queen Anne, MD	285.9148	DEKALB DKC67-44RIB	VT2PRIB	Acceleron	34000	—	Callisto Corvus	Delaro	250/60/210	Kinze 3660 Case IH 8230
Michael Bostic Church Hill, MD	285.6966	Pioneer P1464AML™*	AML,LL,RR2	Poncho 1250 +VOTIVO	33000	Capture LFR Sniper	Lexar, Princep 4L Roundup	—	320/150/150	John Deere 1790 CCS John Deere S660
MICHIGAN										
Don Stall Charlotte, MI	358.4534	Pioneer P0574AM™	AM,LL,RR2	PPST 250	52000	—	AAtrex 4L, AMS Herbimax, Realm Q Makaze Yield Pro	—	386/98/400	Case IH 1250 Front-Fold Early Riser Case IH 8010
Jake Drozd Allegan, MI	299.2938	Pioneer P1197AM™	AM,LL,RR2	Poncho 1250, Invigor8	35700	—	Bicep II Magnum Callisto	Trivapro	265/35/104	John Deere 1775NT John Deere S680
Dale Suwyn Caledonia, MI	297.1228	Golden Harvest G09Y24-3220A EZ	3220A E-Z	Avicta	38000	—	Acuron	Miravis Trivapro	320/50/200	Case IH 2150 Early Riser Front Fold Case IH 8250
MINNESOTA										
Curt Haler Hastings, MN	278.0820	Pioneer P0720Q™	Q,LL,RR2	PPST 250	35000	—	Buccaneer 5 Callisto, Keystone LA	Headline AMP	230/80/100	Case IH 1265 Case IH 8230
Gary Beskau Hastings, MN	259.6799	Pioneer P1244AM™*	AM,LL,RR2	PPST 250	35000	—	Buccaneer 5 Callisto, Keystone LA	Headline AMP	230/80/100	Case IH 1265 Case IH 8230
Paul Beskau Hastings, MN	259.3886	Pioneer P1151AM™	AM,LL,RR2	PPST 250	36000	—	Buccaneer 5 Callisto, Keystone LA	Headline AMP	230/80/100	Case IH 1265 Case IH 8230
MISSOURI										
Jane Cox Delta, MO	299.8110	Pioneer P2089VYHR	AVBL,YGCB, HX1,LL,RR2	Amplify D	40000	—	AAtrex 4L Dual	—	350/20/20	John Deere 1720 Stack-Fold MaxEmerge Plus, John Deere 9670 STS
Tory Meyr Jackson, MO	294.0232	DEKALB DKC70-27RIB	VT2PRIB	Acceleron	32500	—	SureStart	Approch Prima	270/70/90	Case IH 1235 Stackbar Early Riser Case IH 7230
Andy Lanpher Leopold, MO	270.1061	Pioneer P2089VYHR	AVBL,YGCB, HX1,LL,RR2	Poncho 1250 +VOTIVO	34500	—	—	—	0/0/0	Case IH 1265 Case IH 9240
MISSISSIPPI										
Adron Belk Greenwood, MS	282.7108	DEKALB DKC70-27	VT2P	Acceleron +Poncho 250	39000	—	—	—	248/138/92	John Deere 1720 Stack-Fold MaxEmerge Plus Case IH 8240
Betsy Belk Greenwood, MS	281.5139	DEKALB DKC70-27	VT2P	Acceleron +Poncho 250	39000	—	—	—	248/138/92	John Deere 1720 MaxEmerge XP Case IH 8240
Garry Nipper Chatham, MS	255.8224	DEKALB DKC68-26RIB	VT2PRIB	Acceleron	36000	—	—	—	0/0/0	John Deere 1720 MaxEmerge XP John Deere S680
MONTANA										
Kevin Greenwalt Park City, MT	249.2227	Pioneer P9188AM™	AM,LL,RR2	Poncho 250 +Raxil	40000	—	Roundup PowerMax Status	—	280/80/40	John Deere 7300 MaxEmerge 2 Case IH 2388
Ernie Icopini Hysham, MT	245.0728	Pioneer P9188R	RR2	Poncho 250	38000	—	Durango, Outlook Status, Stinger, Verdict	—	172/100/70	Monosem NG Plus Case IH 9230
John Yerger Hardin, MT	242.2316	Pioneer P9188AM™	AM,LL,RR2	PPST 250	36000	—	—	—	0/0/0	John Deere 1700 MaxEmergePlus Vacuum John Deere S670
NORTH CAROLINA										
L Brinkley Aulander, NC	279.4630	Dyna-Gro D58VC65	VT2P	Poncho 1250 +VOTIVO	42500	—	—	—	450/225/380	John Deere 1780 MaxEmerge Plus Vacuum, John Deere 9870 STS

TOP THREE WINNERS BY CLASS

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
I: CONVENTIONAL IRRIGATED										
Luke Blizzard Stantonsburg, NC	268.1743	Dyna-Gro D58VC65	VT2P	Poncho 1250 +VOTIVO	33400	—	—	—	0/0/0	John Deere 1720 Stack-Fold MaxEmerge Plus John Deere 9670
Chase Harris Snow Hill, NC	257.1350	Dyna-Gro D52VC63RIB	VT2PRIB	Poncho 1250 +VOTIVO	32800	—	—	—	0/0/0	John Deere 1780 Front-Fold MaxEmerge Plus John Deere 9660 STS
NORTH DAKOTA										
Bobby Frauenberg Lamoure, ND	290.1933	DEKALB DKC44-80RIB	VT2PRIB	Acceleron +Poncho 250	40000	—	Atrazine+Roundup Harness	—	240/78/90	John Deere DB66 Case IH 9230
NEBRASKA										
Rocky Peterson Bertrand, NE	310.9629	Pioneer P1108Q™	Q,LL,RR2	None	36000	Hero	Liberty	Trivapro	240/8/0	John Deere 1775 Flex John Deere S780
Ashton Peterson Bertrand, NE	302.7646	Pioneer P1366AM™	AM,LL,RR2	None	31500	Hero	Liberty	Trivapro	240/8/0	John Deere 1775 Flex John Deere S780
Dalton Peterson Bertrand, NE	298.0465	Pioneer P1197AM™	AM,LL,RR2	None	31500	Hero	Liberty	Trivapro	226/8/0	John Deere 1775 Flex John Deere S780
NEW HAMPSHIRE										
Frederick Llewelyn Northfield, MA	233.0375	Channel 203-44STXRIB	SS-RIB	None	40000	—	Lumax EZ	—	220/37/230	John Deere 7200 MaxEmerge 2 Vacuum John Deere 9500
NEW JERSEY										
Matt Santini Phillipsburg, NJ	309.5013	Pioneer P1197	CONV	None	45000	—	AAtrex Guardsman	Headline AMP	150/100/100	John Deere 1790 CCS John Deere 9670
Alan Danser Cranbury, NJ	295.7438	Pioneer P1602AM™	AM,LL,RR2	Gaucha 250	31600	—	Atrazine 4F Prowl H2O, Status	—	260/40/120	Kinze 3650 John Deere 9760 STS
NEVADA										
Nathan Wadsworth Fallon, NV	182.8421	Pioneer P0805AM™	AM,LL,RR2	None	38000	—	Buccaneer Plus	—	300/0/0	John Deere 7200 MaxEmerge 2 Vacuum John Deere 9600
NEW YORK										
Paul Campbell Nichols, NY	258.5413	DEKALB DKC52-84RIB	SSRIB	Acceleron +Poncho 250	40000	—	Atrazine Roundup PowerMax Yukon	Headline AMP Priaxor	80/40/60	John Deere 1750 MaxEmerge XP John Deere 6620
OHIO										
Byron Gearhart Chillicothe, OH	282.6620	AgriGold A647-46 STX	STX	Poncho +Roundup	38000	—	Harness Xtra 5.6L	—	300/150/150	Kinze 2600 Case IH 9230
Greg Waters West Lafayette, OH	244.9871	DEKALB DKC64-34RIB	SSRIB	Acceleron	34900	—	Atrazine 4L Resicore	Proline	240/0/75	Kinze 3700 Claas Lexion 740
Tom Derck Antwerp, OH	210.5527	DEKALB DKC55-53RIB	SSRIB	Poncho 500	34000	—	—	—	100/100/50	John Deere 7200 John Deere 9770 STS
OKLAHOMA										
Todd Mason Goodwell, OK	291.7778	Pioneer P1828AM™	AM,LL,RR2	None	32000	—	—	—	300/75/20	John Deere 1770NT John Deere 9650 STS
Nathan Johnson Boise City, OK	285.2917	Pioneer P1108Q™	Q,LL,RR2	None	32000	—	—	—	290/65/40	John Deere 1775NT John Deere 9860 STS
Mindy Pfannstiel Dalhart, TX	263.2629	Pioneer P1311AMXT™	AMXT,LL,RR2	Poncho 1250 +VOTIVO	32000	—	—	—	300/50/50	John Deere 1775NT John Deere S780

TOP THREE WINNERS BY CLASS

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
I: CONVENTIONAL IRRIGATED										
OREGON										
Nolan Mills Boardman, OR	329.6217	Pioneer P1366AM™	AM,LL,RR2	Cruiser 250/Raxil	36000	—	—	—	326/63/220	John Deere 1700 MaxEmerge Vacuum John Deere S680
Jessica Wiley Boardman, OR	326.2400	Pioneer P1366AM™	AM,LL,RR2	Cruiser 250/Raxil	36000	—	—	—	155/22/86	John Deere 1700 MaxEmergePlus Vacuum John Deere S680
Kristen Corpus Irrigon, OR	316.6188	Pioneer P1151	CONV	None	38500	—	Armezon Generic Roundup Outlook	—	374/160/134	John Deere 7340 John Deere S670
PENNSYLVANIA										
Jeremy Sands Shippensburg, PA	317.2802	AgriGold A647-46 STX	STX	None	35000	—	—	—	350/50/100	John Deere 1760 Drawn Wing-Fold Flex John Deere S660
Eric Meyers Mercersburg, PA	290.8643	Pioneer P1197AM™	AM,LL,RR2	None	33000	—	Lexar	—	250/0/300	John Deere 7000 John Deere 9660 STS
Christopher Mast Morgantown, PA	245.3655	Pioneer P1197AMXT™	AMXT, LL,RR2	Poncho 250	34900	—	Balance Flexx Trizmet II	—	270/0/40	John Deere 1750 MaxEmerge Plus Vacuum John Deere 9750 STS
SOUTH CAROLINA										
William Jameson Elloree, SC	305.2389	Pioneer P1870YHR	YGCB,HX1, LL,RR2	Amplify L +Poncho 250	38681	Counter 20 G	Atrazine 90 DF Impact Roundup PowerMax	Approch Prima	270/40/100	John Deere 1700 MaxEmerge XP Case IH 7140
Jared Weathers Saint George, SC	234.4663	Pioneer P1870YHR	YGCB,HX1, LL,RR2	Lumivea	31500	—	Atrazine+Roundup	—	300/120/125	John Deere 1720 Case IH 5140
Sam Weathers St George, SC	220.5085	Pioneer P1197YHR	YGCB,HX1, LL,RR2	Lumivea	31000	—	Atrazine+Roundup	—	300/120/125	John Deere 1720 Case IH 5140
SOUTH DAKOTA										
Tom & Don Logue Volin, SD	257.0316	Pioneer P0688AM™*	AM,LL,RR2	None	32000	—	—	—	200/80/60	John Deere 1760NT John Deere 9600
Kory Standy Platte, SD	239.3388	DEKALB DKC63-21RIB	SSRIB	Amplify D +Poncho 1250	36000	—	Harness Xtra	—	220/70/40	John Deere 1775NT Case IH 6130
Adam Wiese Flandreau, SD	219.3366	DEKALB DKC58-34RIB	SSRIB	Acceleron +Poncho 250	34000	—	Callisto Roundup PowerMax TripleFLEX	Stratego YLD	170/90/80	John Deere DB60 John Deere S780
TENNESSEE										
Samuel Hughes Brownsville, TN	257.0158	Pioneer P1847VYHR*	AVBL,YGCB, HX1,LL,RR2	Cruiser 250/Raxil	34000	—	—	—	260/200/200	John Deere 1795 John Deere S670
TEXAS										
Tommy & Valerie Cartrite Sunray, TX	313.4765	Pioneer P1828AM™	AM,LL,RR2	None	44000	—	—	—	0/0/0	John Deere 1700 MaxEmergePlus Vacuum Case IH 8240
Michael Swinburn Dimmitt, TX	298.4897	Pioneer P1366AMXT™	AMXT,LL,RR2	Poncho 1250 +Raxil	40000	—	Balance Flexx Brawl II, Status Roundup PowerMax	—	350/20/0	John Deere 1770NT John Deere 680
Jody Bezner Texline, TX	284.8486	Pioneer P1366Q™	Q,LL,RR2	Lumivia	32500	—	—	—	305/50/10	John Deere 1770 NT CCS Case IH 8230
UTAH										
Bart Pali Brigham City, UT	299.2730	DEKALB DKC52-61RIB	VT2PRIB	Amplify D +Poncho 250	35000	Zeal	—	—	250/100/0	Case IH 1200 Case IH 9230

TOP THREE WINNERS BY CLASS

	Yield	Hybrid Brand/ No.	Traits	Seed Treatment	Harvest Population	Insecticide	Herbicide	Fungicide	N/P/K	Planter/ Harvester
I: CONVENTIONAL IRRIGATED										
Cody Pali Brigham City, UT	295.1556	DEKALB DKC52-61RIB	VT2PRIB	None	35000	Zeal	—	—	250/100/0	Case IH 1200 Case IH 9230
Teresa Pali Brigham City, UT	288.0378	DEKALB DKC54-38RIB	SSRIB	Amplify +Poncho 250	35000	Zeal	—	—	250/100/0	Case IH 1200 Case IH 9230
VIRGINIA										
John Mills Hanover, VA	302.2696	Pioneer P1870AM™	AM,LL,RR2	None	31000	—	Resicore, Roundup Sharpen, Simazine	—	320/50/240	Kinze 3660 John Deere S770
Nicholas Mills Hanover, VA	298.3234	Pioneer P1443AM™	AM,LL,RR2	None	32000	—	Resicore, Sharpen Simazat	—	310/50/300	Kinze 3660 John Deere S770
Gary Martin Hanover, VA	296.3918	Pioneer P1870AM™	AM,LL,RR2	None	31000	—	Resicore, Sharpen Simazat	—	320/50/240	Kinze 3660 John Deere S770
WASHINGTON										
Boe Clausen Warden, WA	339.4962	Pioneer P9998R	RR2	None	38500	—	Clarity Roundup PowerMax	—	250/0/0	John Deere 1720 MaxEmerge XP John Deere S680
Scott Gross Warden, WA	323.0273	DEKALB DKC49-72RIB	SSRIB	None	42000	—	Atrazine 4L Impact	—	300/140/400	John Deere 1720 CCS Stack-Fold John Deere S780
Gerrit Wisse Eltopia, WA	308.6528	Pioneer P0157R	RR2, AQ	Cruiser 250/Raxil	35000	—	2,4-D+Roundup	—	350/0/0	John Deere 1720 Stack-Fold MaxEmerge Plus John Deere 9600
WISCONSIN										
George Andrew Evansville, WI	296.7839	Pioneer P1108Q™	Q,LL,RR2	Poncho 250 +Raxil	40000	—	Abundit, Realm Q SureStart	—	300/52/93	John Deere 1770NT CCS ProXP John Deere S670
Trip Downing Whitewater, WI	287.6894	Pioneer P0720Q™	Q,LL,RR2	PPST 250	35500	—	—	—	300/150/150	John Deere 1775NT John Deere S780
Tim Gaffron Twin Lakes, WI	280.4583	Pioneer P0720Q™	Q,LL,RR2	None	38000	Aztec	Atrazine, Halex GT FS MaxSupreme, Resicore	—	300/0/0	John Deere 1770 Front-Fold Flex Claas Lexion 740TT
WEST VIRGINIA										
Grant Smith Keyser, WV	277.0255	Pioneer P1197AM™	AM,LL,RR2	Poncho 250	32000	—	Instigate	—	300/80/250	John Deere 1770NT CCS ProXP John Deere S670
Louis Miltenberger Keyser, WV	259.9291	DEKALB DKC67-44RIB	VT2PRIB	Acceleron +Poncho 250	34600	Capture LFR Lambda-Cy	AAtrex 4L, Callisto Gly Plus, Resolve Q	—	125/2/2	John Deere 1770NT John Deere S660
WYOMING										
Bryan Greenwald Lingle, WY	225.2397	Pioneer P0306AMXT™	AMXT, LL,RR2	Lumivia	34500	—	Roundup PowerMax	—	200/60/10	John Deere 7300 MaxEmerge 2 Case IH 1660

2019 ENTRIES BY STATE

Affiliated States

Alabama	64
Arkansas.....	144
Colorado.....	176
Georgia.....	55
Illinois*.....	469
Indiana*.....	274
Iowa*	1,045
Kansas.....	408
Kentucky	250
Louisiana	115
Maryland	146
Michigan.....	620
Minnesota*	336
Mississippi.....	146
Missouri*.....	278
Nebraska	1,015
New York.....	73
North Carolina.....	191
North Dakota.....	55
Ohio*	299
Oklahoma	54
Pennsylvania	95
South Carolina	77
South Dakota.....	165
Tennessee	210
Texas.....	58
Virginia	99
Wisconsin*.....	204

Unaffiliated States.....	333
Total Entrants	7,454

Introducing Sustainability Practices

	Yes	No
Are cover crops planted on any portion of your farming operation?.....	4,174 – 56%	3,272 – 44%
Are you actively reducing tillage practices?	5,871 – 79%	1,575 – 21%
Do you have an active integrated pest management plan?	5,256 – 71%	2,190 – 29%
Are you an integrated crop & livestock operation utilizing manure?	2,578 – 35%	4,868 – 65%

***Class A** includes all states except Illinois, Indiana, Iowa, Minnesota, Missouri, Ohio and Wisconsin. **Class AA** includes Illinois, Indiana, Iowa, Minnesota, Missouri, Ohio and Wisconsin. **Classes without A or AA** designations comprise all states.

Forty-six states participated in the contest; 51 seed companies were represented. The 530 State Winners planted 460 hybrid numbers. A total of 777 hybrid numbers were planted by 7,454 entrants.

Average Yield
Avg. Plant Pop.
Avg. Harvest Pop.

All Entrants
247.9772
33,785
33,446

National Winners
383.6148
39,009
39,159

Row Spacing

<30"
30"
36"
38"
40"

% of Entrants

8.72%
85.55%
2.18%
3.50%
0.05%

Average Fertilizer Use

Nitrogen (lbs)	227.1772
Phosphorus (lbs)	60.1080
Potash (lbs)	28.5470
Trace Elements (%)	88.00%
Manure (%)	7.00%

All Entrants

National Winners

323.6666
102.4814
210.9259
33.00%
40.00%

Timing of Nitrogen Fertilizer Application

Fall (%)	8.88%	44.00%
Spring Pre-Plant (%)	48.12%	48.00%
At Planting (%)	46.05%	77.00%
Side Dress (%)	55.89%	96.00%

Starter (%)	65.42%	81.00%
Surface Applied (%)	65.46%	88.00%
Incorporated (%)	22.72%	66.00%
Irrigation (%)	14.62%	29.00%
Nitrogen/bu. (lbs)	0.87	0.89

Soil Test (%)	65.00%	92.00%
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Previous Crop

Corn (%)	24.00%	26.10%
Soybeans (%)	63.00%	70.20%
Wheat (%)	9.00%	0.00%
Alfalfa/Hay (%)	0.06%	0.00%
Other (%)	3.94%	3.70%

2019 ENTRIES BY CLASS*

	# of Entrants	Winning Yield
A: Conventional Non-Irrigated.....	751	381.4666
B: Conventional Non-Irrigated*	1,320	323.0605
C: No-Till Non-Irrigated.....	929	422.3521
D: No-Till Non-Irrigated*.....	649	330.4345
E: Strip-, Min-, Mulch-, Ridge-Till Non-Irrigated.....	486	339.0991
F: Strip-, Min-, Mulch-, Ridge-Till Non-Irrigated*.....	578	394.4922
G: No-Till Irrigated, All States.....	571	432.0448
H: Strip-, Min-, Mulch-, Ridge-Till Irrigated..	1,197	616.1953
I: Conventional Irrigated.....	973	552.9674
Total	7,454	

* Corn Belt States IL IN IA MN MO OH WI



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40,000 engaged members who support each other and
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