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# NATIONAL CORN YIELD CONTEST<sup>®</sup>



# 2022 BEST IN THE FIELD



NATIONAL  
CORNGROWERS  
ASSOCIATION

## Message From the President



**Tom Hagg, President**  
National Corn Growers Association

# Commit ✓ Contribute ✓ Compete ✓

America's corn farmers proved, once again, that they are #AllIn. Farmer entrants, volunteer supervisors, seed companies and industry sponsors came together and showed their commitment to growing corn like champions. Their passion, grit and competitive spirit pushed them to give more, even in the face of tough and formidable

opponents like our unpredictable weather.

Bold achievements in the face of adversity often require a team. By adapting practices, adopting new technology, and doing-more-with-less, America's corn farmers made great contributions in helping to feed and fuel a growing world.

One thing I know about corn farmers is how much they love to push themselves to be their best. Whether you enter the contest with your sights set on placing in the national rankings or proving to yourself just how far you can go, the competitive nature of the National Corn Yield Contest is as steady as it is resilient. This year, there were 6,337 entries and despite the tough opponents faced by many farmers this season, 2,212 harvest results were submitted. Competition remains strong in this 58-year-old contest.

2022 NCYC participants grew corn like champions. The 27 national winners, across 9 production categories, had verified yields averaging 340.72 bushels per acre. That's 168.42 bushels per acre more than the projected national average of 172.3 bushels per acre. These numbers certainly demonstrate the commitment of these competitors.

Year after year, farmer participants contribute to building a better crop for tomorrow. By exploring adaption, innovation, and the tools new technologies offer, farmers sharpen their game and set new standards for the industry.

To the 2022 contest entrants, thank you for competing. Every contest entrant is a champion for corn. Thank you for contributing valuable data that will help us face tomorrow's challenges and come out on top. From the perennial champions to the first-time

entrant, every one of you makes a valuable contribution to the greater body of agronomic research that will keep us viable and sustainable for generations yet to come.

To the volunteer supervisors, thank you for contributing. Your work ensures the integrity of the NCYC. Thank you for the time you give to ensure that everyone plays by the rules. The time and energy that crop advisors, extension personnel, government employees and financial professionals give plays a vital role in not only the contest, but also offers an enormous value to our industry.

To the seed companies, thank you for committing. Your loyal support of the NCYC ensures success year after year. This contest—due to the caliber of its entrants and the vibrant competition—provides a unique platform that allows new “star players” to shine. The seed representatives support contest entrants, showcase their offering and do a great service to America's farm families and the corn industry as a whole.

To our generous sponsors, thank you for being #AllIn. Your continued investment in the NCYC creates a brighter future for America's corn farmers. Each year, BASF Corporation, John Deere and Pioneer come alongside NCGA to ensure a successful contest for all entrants. We are grateful for your commitment to the continued advancement of the corn industry.

Please, join me in congratulating the 2022 NCYC winners. Over the pages of this guide, get to know our champions. Learn about their ability to pivot when needed and stay the course to persevere in the face of obstacles. Their stories may spark an idea that could help you level up your yield game in 2023.

NCGA believes every corn farmer is a champion, and we know that the best way to win for farmers is as a team. Thank you for the work you do on and off the field that contributes to our winning team. When we are #AllIn, we can make great strides for America's corn farmers. ●



### ABOUT THE COVER Harvest 2021

Grand Prize winner of the Fields of Corn Photo Contest.

Photos by Todd Wachtel of Altamont, Illinois.

# ▶▶▶ Our name is our mission.

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# NEW CONTEST CATEGORY TARGETS NITROGEN MANAGEMENT

*NCGA pilot class aims to reward top yields using 180 pounds per acre of total nitrogen.*

If high inputs for high corn yields aren't your jam, maybe the new pilot category in the NCGA National Corn Yield Contest can help you join the band in 2023.

To kick off its 58th year of the prestigious bin-buster contest, NCGA will reward member growers for creativity in nitrogen management and other inputs to

The yield contest is watched closely by growers and the industry to learn the genetic yield potential of hybrids and different agronomic practices in their area, given the annual weather and input management variables.

“Learning the potential of hybrids in a variety of growing conditions will always be a central component of the contest,” says Tom Haag, NCGA President. “But now is a great time to also expand the contest to understand that potential while also managing with limited nitrogen inputs—which will help us meet our sustainability goals.”

## Pilot Year Fine-Tuning

To develop initial category guidelines, NCGA yield contest manager Linda Lambur enlisted conservation-minded crop consultant and Illinois farmer Jim Isermann. NCGA also is limiting the pilot year to the first 100 growers who sign up for the nitrogen efficiency category from these nine states: Nebraska, Iowa, Illinois, Indiana, Ohio,

Wisconsin, Michigan, Kansas and Missouri.

Isermann worked with a group of NCGA farmer leaders to firm up category rules. “Our pilot year goals are to keep requirements simple, allow all forms of nitrogen along with cover crops, and use

*Crop consultant and farmer Jim Isermann says adding a nitrogen efficiency category will encourage more growers to enter the national yield contest.*



achieve top yields. Growers decide what nitrogen forms to use and when to apply, while keeping total pounds of nitrogen applied to 180 or less. NCGA will work with winners to verify nutrient amounts and applications.



Jim Isermann

a benchmark maximum of 180 pounds per acre,” he says. Lessons learned during the 2023 contest will help NCGA tweak the rules for future years. See current guidelines in “Basic Rules for Nitrogen Management Class.”

With nitrogen costs soaring and water quality issues driving more regulations, corn growers continue experimenting with practices that reduce inputs to optimize economics and environmental stewardship. “This nitrogen management category will showcase farmer creativity to grow the most bushels with 180 pounds or less,” Isermann says.

### Align Nitrogen Applied

According to a six-year Precision Conservation Management ([precisionconservation.org](http://precisionconservation.org)) data study of farmers, nitrogen application rates greater than Maximum Return to Nitrogen (MRTN) are never more profitable for corn production on high soil productivity ratings soils even when higher nitrogen results in additional yield.

Farmer data from this USDA- and Illinois checkoff-funded report, “The Business Case for Conservation,” shows



Lowell Neitzel

that corn grown on high Soil Productivity Rating fields was most profitable when the total nitrogen application rate was in the MRTN range of 160 to 195 pounds. And the report showed that cover crops are vital in reducing nutrient losses and greenhouse gas emissions.

“This category will open up the yield contest to many more farmers, particularly in the conservation world, who didn’t see a realistic fit for their operation,” Isermann adds. “With a nitrogen

*Kansas farmer Lowell Neitzel says a nitrogen efficiency category will help him and other farmers fine-tune their fertilizer programs to optimize returns.*

limit, growers I’ve talked to believe they now have a chance to win and learn from others.”

### Engage More Growers

Lowell Neitzel farms near Lawrence, Kansas, and worked with Isermann to develop rules for the pilot program. He believes a managed nitrogen category will grow the contest and NCGA membership.

“This will be a great learning opportunity for conservation-minded corn growers who seek greater economic and input efficiency. I strive every year to be more efficient, to cut costs and not lose yield, so this category fits the way I farm,” he says.

Neitzel stresses this contest will be a good benchmark as he experiments every crop season. “It will allow a comparison between the limited nitrogen plot and our normal practices. And if the plot shows better yields at lower costs, we can expand the practice to more acres,” he adds. ▶





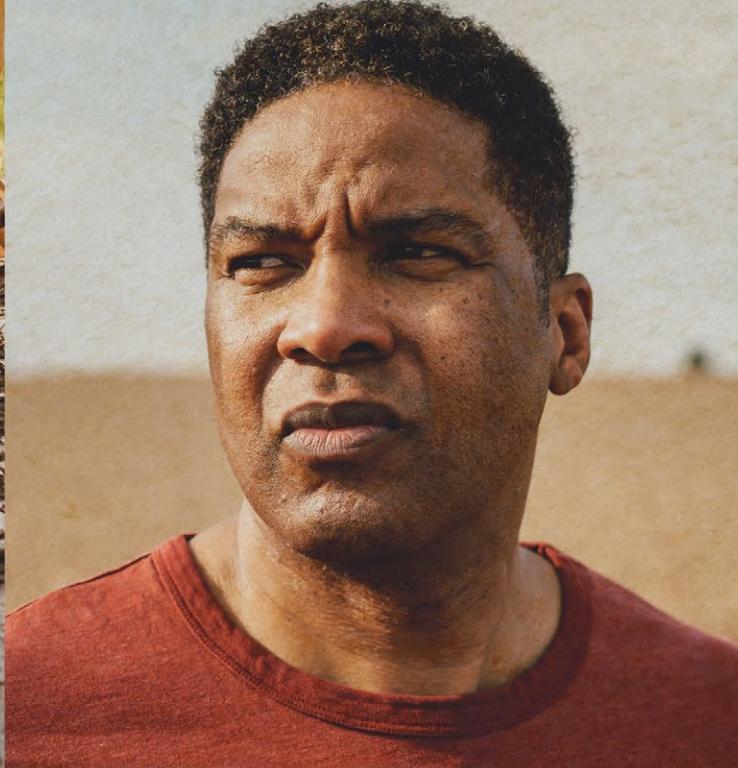
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# EQUIPMENT



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## Nitrogen Rates: Yields, Returns, and Environmental Assessments, Corn, High SPR, 2015–2020

### Encourage Creative Nitrogen Management

Another NCGA farmer member working with Isermann, Dan Nerud from Dorchester, Nebraska, envisions this new category launching nitrogen use creativity—to the benefit of all farmers.

“I’ve got two sons who will soon take over the farm, and I’ve become a believer in their great ideas like seeding and fertilizer rate changes, using technology beyond my capabilities,” Nerud says. “This nitrogen management category could spur the creativity of young farmers to try different row spacings, populations, cover crops, maybe two or even six nitrogen applications. And when all farmers see results from this national contest, it will spur more innovation to drive sustainability and environmental improvements.”



| CORN, HIGH SPR, N RATE, LBS. PER ACRE | AVG YIELD 2015-2020 (bushels/acre) | OPERATOR & LAND RETURN, 2015-2020 | WATER QUALITY INDEX (1 = worst, 10 = best) | GHG EMISSIONS (metric tons CO <sub>2</sub> e/a) |
|---------------------------------------|------------------------------------|-----------------------------------|--|---|
| Less than 150                         | 202                                | \$241                             | 6.10                                       | -0.08   |
| 151-175                               | 214                                | \$272                             | 6.15                                       | 0.17  |
| 176-200                               | 217                                | \$270                             | 5.74                                       | 0.14  |
| 201-225                               | 218                                | \$255                             | 5.51                                       | 0.17  |
| Greater than 225                      | 227                                | \$252                             | 5.30                                       | 0.46  |

*University-recommended maximum return to nitrogen application rate (MRTN) of 150-200 lbs./A is the most profitable strategy. Yet, 65% of farmers in the Precision Conservation Management study apply rates above the MRTN.*

Neitzel agrees with Nerud because he also faced rejection from trying new things as a younger farmer. “I see this limited nitrogen category bringing in new farmers to shoot for top yields with an interesting added challenge,” he says.

Bryan Biegler, a Lake Wilson, Minnesota, farmer on the committee, believes this category will prove how precise N management can drive higher profits with environmental benefits. “I think showing farmers how the winners of this new category use nitrogen creatively, along with other practices, could spur change of the adage of more nitrogen is always better,” he says.

### New Challenge For Previous Winners

All three farmers hope the nitrogen management category will also entice the multiple-year top-yield winners and others to enter the category. “I know these guys are very creative with experimentation on their contest farms, so it would be cool for them to jump into this competition,” Neitzel says. “Then I might have a chance to beat them!”

Isermann and NCGA expect to learn a lot from the 2023 pilot year because the committee sees



considerable potential as the category expands in the future. “The tricky part is creating a level playing field across geographies, soil types and other variables, so we don’t discourage farmers from entering,” Isermann says. “We also want farmers thinking how their soil can provide nitrogen to their corn crops, through practices such as cover crops and improving soil health. Through this contest we can find innovative ways to reduce applied nitrogen, and see the environmental and economic benefits that come with it.”

That’s a jam that should be music to every corn grower. So, join the band quickly, before the 100 entry slots are gone. ■



For all contest details, see [NCGA.com](http://NCGA.com) and click on the NCCY tab.

## BASIC RULES FOR NITROGEN MANAGEMENT CLASS

During the 2023 pilot year, the NCGA National Corn Yield Contest Nitrogen Management class is open to 100 total farmers who sign up from the following states: Nebraska, Iowa, Illinois, Indiana, Ohio, Wisconsin, Michigan, Kansas and Missouri.

Farmers must limit total nitrogen from non-field sources to 180 lbs./acre of actual nitrogen applied following the 2022 harvest and before the 2023 harvest.

Nitrogen sources include (but are not limited to): Synthetically produced nitrogen sources such as anhydrous ammonia, UAN, DAP, MAP, and AMS, as well as manure or compost sources, municipal solids and industrial by-products.

Any non-conventional fertilizers such as manures, composts, by-products and biologicals will require an approved lab nutrient test report or a product label as proof of readily available nitrogen counted towards the 180 lbs./acre total.

For variable-rate applications, the maximum rate (not the average rate) cannot exceed the 180 lbs./acre total rate on the submitted competition acres.

Yield evaluation is based on a 10-acre sample, just like other contest categories.

For 2023, the nitrogen management class will be separate from the existing contest classes. Any farmer already participating in a current corn yield class can submit a portion of the field (minimum of 10 acres) for the nitrogen class, or a separate field can be submitted. Application maps for all nitrogen applications that include rate and coverage must be submitted. The 10 acres for the nitrogen management class must be clearly marked, and appropriate buffer zones used.

### Previous crop rules:

The previous year's crop must be corn, soybeans, wheat or double-crop wheat/soybeans. Harvested forage crops seeded after the acceptable cash crops are also allowed.

Cover crops after any crop are allowed, even as a companion to the previous or current competition crop.

To avoid stacking nitrogen from the previous year:  
**Corn:** Less than 300 lbs. of total nitrogen applied in the prior corn crop year (less than 200 lbs. of that can be applied after planting, and no nitrogen can be applied after VT).

**Soybeans:** Less than 100 lbs./acre total nitrogen applied to previous soybean crop (less than 30 lbs./acre applied after planting).

**Wheat:** Less than 200 lbs./acre total nitrogen applied to the previous wheat crop. If a harvestable crop was seeded after wheat harvest, such as double crop beans or forages, the total additional nitrogen applied must be less than 50 lbs.



### Reports to submit with yield entry:

All inputs, including fertilizer, pesticides, biological amendments, seed variety and biological traits, as well as tillage, cultural practices and the previous crop, must be recorded and submitted to NCGA with the contest application.

For manure, compost or biological product applications that are not variable-rate, a coverage and nitrogen rate map (PDF) is required.

If using variable-rate application of nitrogen products, submit a coverage and rate map (PDF).

### Recorded data to keep on file (for winning entry audits):

Keep as-applied geospatial application maps of all nitrogen-containing products with rate and coverage.

Maintain cash receipts and other documents to verify recorded and submitted numbers.

Keep nutrient analysis for all manures and composts and product labels for any biological or foliar feed products applied.

## First Place



**HEATH CUTRELL**  
Chesapeake, VA

394.0485 bu./acre  
DEKALB DKC66-18RIB  
Harvest Population: 38,000  
Harvester: CaseIH 8240

### SUPERVISORS

**Cory Hoar:** Conservation Specialist, Virginia-Dare Soil and Water Conservation  
**Nathan Sedghi:** Ag Extension Agent, Virginia Coop Extension

Earning his fourth national first-place yield contest win in the Conventional Non-Irrigated class, Heath Cutrell coaxed three more bushels out of last year's winning hybrid to cross the finish line at 394 bu./acre.

Instead of the usual hurricane worries that come with farming near the Atlantic Ocean, a two-week dry spell in mid-July had Cutrell concerned. Fortunately, harvest time proved that his northern fields received enough timely small rains and strong sunlight. Unfortunately, fields south of his home place that missed those showers saw mediocre yields.

"Mother Nature plays a big part in these contests, and sometimes she just says 'hell no,'" Cutrell laughs. "Winning yearly usually isn't an option, so we were fortunate on part of our farm. I picked 394-bushel corn on good soils and 80-bushel corn on light sandy soils."

Cutrell believes in crop rotation among his corn, soybean, wheat and double-crop soybean acres so his corn will benefit following soybeans. He also tried some poultry manure for the first time with good results.

"My planting season was the best I can remember since I started farming, and we had no hiccups with early season weather clear through pollination," he says. His second season with a CaseIH 2130 planter—loaded with Precision Planting features, downforce pressure, and liquid fertilizer capabilities for in-furrow and 2x2x2 on each side of the row—delivered a uniform stand of plants.

Vendor loyalty and constant learning admittedly keep Cutrell at the top of his yield game. Working with his local experts from Nutrien and Helena helps deliver the products

and technical expertise he needs to ensure the corn crop avoids any nutrient deficiencies or pests.

"I also teamed up with XtremeAg this year. Those guys are so knowledgeable about everything regarding plant health and more," he adds. "I'm looking forward to more great things with that group."

Fenton Eure, Cutrell's Nutrien agronomist, is pleased with their effective use of Levitate in-furrow starter fertilizer, and the continued success of ESN controlled-release nitrogen. "We think that package plays a big role in keeping nitrogen available when the plant needs it," Eure says.

Another key to staying ahead of plant deficiencies is weekly tissue testing and historical records. "We've got five years of weekly tissue test analysis, which helps us gauge when specific deficiencies occur so we can make more effective program adjustments," Eure adds.

And to safeguard against pests, Cutrell repeated his use of Bayer Poncho 1250 insecticide and added a third fungicide application on his 2022 plot—applied with an insecticide to keep stink bugs away. "It's all part of the strategy to keep the plants healthy and vibrant from start to finish," he says.

### Bushel Builders

- Apply starter fertilizer in-furrow and 2x2x2 liquid fertilizer in good soil and seed bed.
- Use agronomic experts to help ensure the crop is never needy.
- Monitor fields closely, tissue test weekly and experiment with micronutrients and timing.

## Second Place

**JOSH WATSON**  
Sweetwater, TN

319.3608 bu./acre  
DEKALB DKC67-44RIB  
Harvest Population: 37,000  
Harvester: John Deere 9760 STS

In the foothills of the Great Smoky Mountains in eastern Tennessee, Josh Watson moved up from third place last year to second this year despite dropping 24 bushels. "I never dreamed we'd be back on the national level with 319 bushels after a tough drought year, since we missed last year's 343 bushels per acre with the same hybrid," Watson says.

Missing rain for most of June after a dry April caused concern for Watson who entered the NCGA national yield contest for only the second time. "We received timely rains from the south beginning in July and lasting through the season," he says.

Watson credits contest plot advice from his local fertilizer retailer and AgXplore agronomist on pushing population, fertility and season-long crop health in his 30-inch rows. He pushed his normal 31,000 plants per acre up to 38,000 for the contest plot, applied a total of 300 units of liquid UAN in three applications (pre-plant, V5, and maximum height that fits under sprayer), sprayed fungicides three times (V5, pre-tassel, and at-tassel) and insecticide once (at-tassel).

Putting your shadow in the crop weekly through scouting, doing tissue sampling every 10 to 12 days, and getting some lucky weather for optimum pollination and kernel fill were critical keys to Watson's success. "We didn't have extreme heat or extreme rain events, just timely rains that helped this full-season racehorse hybrid exceed our 2022 farm average of 200 bushels per acre," he says.

### SUPERVISOR

**Josey Miller:** Agriculture/  
FFA Advisor, Lenoir City  
High School

## Third Place

**SAM SANTINI**  
Stewartville, NJ

312.5506 bu./acre  
DEKALB DKC67-94RIB  
Harvest Population: 37,000  
Harvester: John Deere S760

The Santini family farm continues to find value and rewards in a rich heritage of top yields from the NCGA national yield contest dating back to the mid-1970s. This year Santini placed third nationally with 312 bu./acre, while his family members and cousins captured seven top-three state yield awards in all six New Jersey categories.

"The yields surprised us because we had a very dry summer where much of our commercial corn averaged only 120 to 140 bushels," he explains. "The plots were fortunate to get a few timely showers that the rest of our crop didn't get."

The Santini family usually experiments with tillage practices—from conventional to no-till—and different new hybrid packages each year to learn what succeeds across their acres. This year he bumped the contest plant population up to 42,000 compared to his usual 34,000 in his regular fields.

His fertilizer regime started with soil sampling, then he spring-applied 2 tons per acre of poultry manure. He also applied commercial nitrogen twice, using a total of 225 units split between planting and topdressing when the corn is 2 feet tall.

"To obtain high yields, we're big believers in keeping corn plants healthy all season, so our plots receive three fungicide applications (in-furrow, pre-tassel and at tassel)," Santini says. "We also play with a few biologicals and other amendments."

For the future, he hopes to resume experimenting with 15-inch-row corn. "I couldn't achieve high yields with corn bred for 30-inch rows, but I'm excited to try the new dwarf hybrids that could help drive me back to fifteens."

### SUPERVISOR

**Jay Rupell:** FFA Advisor  
(retired), Warren Hills High  
School

| Yield | Hybrid Brand/ No. | Traits | Seed Treatment | Harvest Population | Insecticide | Herbicide | Fungicide | N/P/K | Planter/Harvester |
|-------|-------------------|--------|----------------|--------------------|-------------|-----------|-----------|-------|-------------------|
|-------|-------------------|--------|----------------|--------------------|-------------|-----------|-----------|-------|-------------------|

## A: CONVENTIONAL NON-IRRIGATED

### ALABAMA

|   |          |                           |                          |   |       |   |   |         |   |
|---|----------|---------------------------|--------------------------|---|-------|---|---|---------|---|
| <b>Forrest Anders</b><br>Hartselle, AL  | 203.5514 | Pioneer<br>P2089VYHR      | AVBL,YGCB,<br>HX1,LL,RR2 | — | 34000 | — | — | 240/0/0 | Case IH 2150 Early Riser<br>Front Fold<br>Case IH Axial Flow 9250 |
| <b>Jackson Henderson</b><br>Madison, AL | 159.7964 | AgriGold<br>A645-16VT2PRO | VT2PRO                   | — | 26600 | — | — | 170/0/0 | John Deere 1775 NT<br>John Deere S690                             |

### CALIFORNIA

|                                    |          |                  |      |   |       |   |           |           |                                   |
|------------------------------------|----------|------------------|------|---|-------|---|-----------|-----------|-----------------------------------|
| <b>Aaron Beaver</b><br>Isleton, CA | 287.7071 | Pioneer<br>P1359 | Conv | — | 35000 | — | Steadfast | 315/38/38 | White 8700<br>John Deere 9670 STS |
|------------------------------------|----------|------------------|------|---|-------|---|-----------|-----------|-----------------------------------|

### CONNECTICUT

|                                      |          |                         |       |   |       |   |   |             |                            |
|--------------------------------------|----------|-------------------------|-------|---|-------|---|---|-------------|----------------------------|
| <b>Michael Logue</b><br>Woodbury, CT | 290.9603 | Channel<br>210-46STXRIB | SSRib | — | 33600 | — | — | 250/180/125 | Kinze 2500<br>Case IH 2388 |
| <b>Jim Logue</b><br>Woodbury, CT     | 246.9413 | Channel<br>210-79STXRIB | SSRIB | — | 33600 | — | — | 250/125/180 | Kinze 2500<br>Case IH 2388 |

### FLORIDA

|   |          |                      |                          |                         |       |   |  |            |                                     |
|---|----------|----------------------|--------------------------|-------------------------|-------|---|--|------------|-------------------------------------|
| <b>Russell McLeod</b><br>Ochlocknee, GA | 233.5263 | Pioneer<br>P1847VYHR | AVBL,YGCB,<br>HX1,LL,RR2 | ApronMax+<br>Poncho 250 | 27400 | — | Atrazine 4L<br>Generic Roundup<br>Pendimax 3.3 | 200/50/300 | Monosem Twin Row<br>John Deere 9570 |
|---|----------|----------------------|--------------------------|-------------------------|-------|---|--|------------|-------------------------------------|

### GEORGIA

|  |          |                     |                     |                           |       |   |                     |             |   |
|--|----------|---------------------|---------------------|---------------------------|-------|---|---------------------|-------------|---|
| <b>Wallace Anderson</b><br>Ellijay, GA | 273.2308 | Pioneer<br>P1870YHR | YGCB,HX1,<br>LL,RR2 | Amplify D+<br>Poncho 1250 | 34000 | — | Atrazine+Glyphosate | 419/235/328 | John Deere 7000 Conservation<br>John Deere 4420 |
|--|----------|---------------------|---------------------|---------------------------|-------|---|---------------------|-------------|---|

### KANSAS

|  |          |                           |            |                          |       |   |   |             |                                      |
|--|----------|---------------------------|------------|--------------------------|-------|---|---|-------------|--------------------------------------|
| <b>Jason Taylor</b><br>White Cloud, KS | 302.3150 | Taylor Seed<br>Farms 9913 | VT2Pro RIB | Cruiser MAX              | 34000 | — | — | 260/150/125 | John Deere 1775NT<br>Case IH 8250    |
| <b>Traci Noll</b><br>Winchester, KS    | 265.4743 | DEKALB<br>DKC70-27RIB     | VT2PRIB    | Acceleron+<br>Poncho 250 | 32000 | — | — | 0/0/0       | John Deere 1775 Flex<br>Case IH 9240 |
| <b>Dale Shirley</b><br>Vermillion, KS  | 238.5867 | Pioneer<br>P1563AM™*      | AM,LL,RR2  | —                        | 27000 | — | — | 176/37/0    | John Deere 1760<br>John Deere 9760   |

### KENTUCKY

|   |          |                           |              |            |       |       |   |                    |             |                                       |
|---|----------|---------------------------|--------------|------------|-------|-------|---|--------------------|-------------|---------------------------------------|
| <b>Jason Greenwell</b><br>Waverly, KY       | 296.4587 | Channel<br>214-78DGV2PRIB | DGV2P RIB    | Acceleron  | 39000 | Steed | 2,4-D, Atrazine 90 DF<br>Roundup PowerMax<br>Verdict, Zidua | Priaxor<br>Veltyma | 300/92/120  | John Deere 1775NT<br>John Deere S780  |
| <b>Tom Goetz</b><br>Owensboro, KY           | 284.5194 | Dyna-Gro<br>D55VC80RIB    | VT2P-RIB     | Poncho 500 | 36000 | —     | Acuron<br>Atrazine 4L, Roundup                              | —                  | 220/0/0     | John Deere 1770NT<br>Case IH 8250     |
| <b>John &amp; Mark Mitchell</b><br>Clay, KY | 281.7140 | DEKALB<br>DKC65-99RIB     | Trecepta Rib | —          | 32000 | —     | —   | —                  | 300/200/200 | John Deere 1775 NT<br>John Deere S780 |

### LOUISIANA

|  |          |                    |     |   |       |   |   |   |           |   |
|--|----------|--------------------|-----|---|-------|---|---|---|-----------|---|
| <b>Ray Schexnayder</b><br>Ventress, LA | 255.3166 | DEKALB<br>DKC65-99 | TRE | — | 34500 | — | — | — | 220/30/60 | John Deere 1720 MaxEmerge XP<br>John Deere S680 |
|--|----------|--------------------|-----|---|-------|---|---|---|-----------|---|

### MASSACHUSETTS

|                                       |          |                         |          |                          |       |        |   |   |            |  |
|---------------------------------------|----------|-------------------------|----------|--------------------------|-------|--------|---|---|------------|--|
| <b>Matt Parsons</b><br>Hadley, MA     | 261.9618 | Pioneer<br>P0035Q™      | Q,LL,RR2 | PPST 250                 | 32000 | Sniper | Atrazine 90 WDG<br>Keystone LA<br>Makaze, Realm Q | — | 200/0/0    | Kinze 2500<br>John Deere 9550                          |
| <b>Dan Llewelyn</b><br>Northfield, MA | 260.2505 | Channel<br>199-29STXRIB | SSRIB    | Acceleron+<br>Poncho 250 | 40000 | —      | Capreno   | — | 220/37/230 | John Deere 7200 MaxEmerge<br>2 Vacuum, John Deere 9500 |

### MARYLAND

|   |          |                    |      |                          |       |   |   |   |       |  |
|---|----------|--------------------|------|--------------------------|-------|---|---|---|-------|--|
| <b>John Rigdon</b><br>Jarrettsville, MD | 323.7604 | DEKALB<br>DKC65-95 | VT2P | Acceleron+<br>Poncho 250 | 38000 | — | — | — | 0/0/0 | John Deere 1770NT CCS ProXP<br>John Deere 9670 STS |
|---|----------|--------------------|------|--------------------------|-------|---|---|---|-------|--|

|   | Yield    | Hybrid Brand/ No.        | Traits                | Seed Treatment                              | Harvest Population | Insecticide | Herbicide                                   | Fungicide | N/P/K      | Planter/ Harvester                                       |
|---|----------|--------------------------|-----------------------|---|--------------------|-------------|---|-----------|------------|--|
| <b>A: CONVENTIONAL NON-IRRIGATED</b>        |          |                          |                       |   |                    |             |   |           |            |  |
| <b>William Riggs</b><br>Church Hill, MD     | 296.7797 | Axis 64B28               | VT2PRIB               | Acceleron                                   | 31000              | Tombstone   | Halex, Lexar Princep 4L                     | –         | 150/0/0    | John Deere 1750<br>John Deere S680                       |
| <b>Reagan Riggs</b><br>Church Hill, MD      | 275.4687 | DEKALB DKC65-95RIB       | VT2PRIB               | Acceleron                                   | 31000              | Tombstone   | Halex, Lexar Princep 4L                     | –         | 150/0/0    | John Deere 1750<br>John Deere S680                       |
| <b>MAINE</b>                                |          |                          |                       |   |                    |             |   |           |            |  |
| <b>Tyler Bartlett</b><br>New Gloucester, ME | 205.4089 | Channel 185-30VT2PRIB    | VT2PRIB               | –   | 38000              | –           | –   | –         | 210/0/50   | White 6100<br>John Deere 9510                            |
| <b>MICHIGAN</b>                             |          |                          |                       |   |                    |             |   |           |            |  |
| <b>Randy Eschenburg</b><br>Almont, MI       | 283.4718 | DEKALB DKC52-35RIB       | VT2PRIB               | B500  | 32000              | –           | Capreno Roundup PowerMax                    | –         | 200/50/150 | Kinze 3500<br>Case IH 8120                               |
| <b>Mike Opificus</b><br>Capac, MI           | 277.7609 | DEKALB DKC51-25RIB       | VT2RIB                | B250  | 31800              | –           | Callisto, Harness Xtra 6.0 Roundup PowerMax | –         | 190/80/200 | Kinze 3600<br>John Deere S660                            |
| <b>William Fein</b><br>Hopkins, MI          | 275.1682 | Pioneer P0720Q™          | Q,LL,RR2              | LumiGEN™ 2020 High Rate; Poncho 1250+Votivo | 34000              | –           | –   | –         | 180/0/100  | John Deere 1775NT<br>John Deere S790                     |
| <b>MISSISSIPPI</b>                          |          |                          |                       |   |                    |             |   |           |            |  |
| <b>Daniel Brooks</b><br>Coldwater, MS       | 238.0794 | AgriGold A6659VT2PRO     | VT2PRO                | Poncho 500                                  | 38000              | –           | –   | –         | 210/50/120 | Great Plains YP-1225<br>John Deere S670                  |
| <b>Adam Hurt</b><br>Senatobia, MS           | 228.9640 | AgriGold A6544 VT2PRO    | VT2PRO                | Poncho 500                                  | 37500              | –           | –   | –         | 221/0/0    | Monosem Twin Row<br>John Deere S770                      |
| <b>Kenny Hurt</b><br>Coldwater, MS          | 228.8599 | AgriGold A6544 VT2PRO    | VT2PRO                | Poncho 500                                  | 37500              | –           | –   | –         | 221/0/0    | Monosem Twin Row<br>John Deere S770                      |
| <b>NORTH CAROLINA</b>                       |          |                          |                       |   |                    |             |   |           |            |  |
| <b>Wesley Johnson</b><br>Dobson, NC         | 286.9551 | Pioneer P1718VYHR        | AVBL,YGCB, HX1,LL,RR2 | Poncho 1250                                 | 30000              | –           | Bicep II Magnum Halex GT                    | –         | 150/0/0    | John Deere 1770NT<br>John Deere S770                     |
| <b>Talmadge Mathis</b><br>Roaring River, NC | 261.7001 | Pioneer P1903YHR         | YGCB,HX1, LL,RR2      | Poncho 1250+ VOTIVO                         | 33000              | –           | –   | Delaro    | 160/80/50  | Kinze 3600<br>Gleaner S67                                |
| <b>Mark Johnson</b><br>Dobson, NC           | 247.4386 | Dyna-Gro D57TC29         | Trecepta              | Poncho 1250                                 | 30000              | –           | –   | –         | 150/0/0    | John Deere 1770 NT CCS<br>John Deere S770                |
| <b>NORTH DAKOTA</b>                         |          |                          |                       |   |                    |             |   |           |            |  |
| <b>Bruce Huber</b><br>Berlin, ND            | 299.8435 | DEKALB DKC45-66RIB       | VT2PRIB               | –   | 34000              | –           | –   | –         | 140/70/30  | John Deere 1770 NT CCS<br>John Deere S780                |
| <b>Robert Huber</b><br>Edgeley, ND          | 297.8377 | DEKALB DKC45-66RIB       | VT2PRIB               | –   | 34000              | –           | –   | –         | 140/70/30  | John Deere 1770 NT CCS<br>John Deere S780                |
| <b>Riley Jordahl</b><br>Berlin, ND          | 291.8633 | DEKALB DKC45-66RIB       | VT2PRIB               | –   | 34000              | –           | –   | –         | 140/70/30  | John Deere 1770 NT CCS<br>John Deere S780                |
| <b>NEBRASKA</b>                             |          |                          |                       |   |                    |             |   |           |            |  |
| <b>Gerald Steffensmeier</b><br>Howells, NE  | 261.4357 | DEKALB DKC59-82RIB       | VT2PRIB               | –   | 30000              | –           | Verdict                                     | –         | 220/60/50  | John Deere 1770 NT CCS<br>John Deere S660                |
| <b>Cole Baker</b><br>Ashton, NE             | 208.8882 | Golden Harvest G10L16-DV | Duracade 5222A        | –   | 24500              | –           | –   | –         | 250/120/50 | John Deere 1720<br>John Deere S780                       |
| <b>NEW HAMPSHIRE</b>                        |          |                          |                       |   |                    |             |   |           |            |  |
| <b>Frederick Llewelyn</b><br>Northfield, MA | 306.8347 | Channel 199-29STXRIB     | SSRIB                 | Acceleron+ Poncho 250                       | 50000              | –           | Capreno                                     | –         | 220/37/230 | John Deere 7200<br>MaxEmerge 2 Vacuum<br>John Deere 9500 |
| <b>NEW JERSEY</b>                           |          |                          |                       |   |                    |             |   |           |            |  |
| <b>Sam Santini</b><br>Stewartsville, NJ     | 312.5506 | DEKALB DKC67-94RIB       | TRE                   | Acceleron                                   | 37000              | –           | Lumax                                       | –         | 300/50/50  | John Deere 1780 MaxEmerge Plus Vacuum, John Deere S760   |

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JOHN DEERE

|  | Yield | Hybrid Brand/ No. | Traits | Seed Treatment | Harvest Population | Insecticide | Herbicide | Fungicide | N/P/K | Planter/ Harvester |
|--|-------|-------------------|--------|----------------|--------------------|-------------|-----------|-----------|-------|--------------------|
|--|-------|-------------------|--------|----------------|--------------------|-------------|-----------|-----------|-------|--------------------|

## A: CONVENTIONAL NON-IRRIGATED

|   |          |                             |           |  |       |   |   |          |             |   |
|---|----------|-----------------------------|-----------|--|-------|---|---|----------|-------------|---|
| <b>Donna Truskowski</b><br>Stewartsville, NJ    | 223.6688 | Dyna-Gro<br>D54SS34RIB      | SS-RIB    | Acceleron  | 38000 | – | Makaze  | –        | 225/100/150 | John Deere 1770NT<br>Claas Lexion 570                   |
| <b>Kelly Truskowski</b><br>Stewartsville, NJ    | 196.9002 | DEKALB<br>DKC63-91          | VT2P      | Acceleron  | 38000 | – | Makaze  | –        | 225/150/100 | John Deere 1770NT<br>Claas Lexion 570                   |
| <b>NEW YORK</b>                                 |          |                             |           |  |       |   |   |          |             |   |
| <b>Matthew Swede</b><br>Piffard, NY             | 284.0365 | DEKALB<br>DKC58-64RIB       | SS        | –  | 35000 | – | Roundup WeatherMax<br>Yukon                               | –        | 220/108/150 | John Deere 1775 NT<br>John Deere S680                   |
| <b>Logan Beck</b><br>Palatine Bridge, NY        | 270.2729 | Pioneer<br>P0035Q™          | Q,LL,RR2  | LumiGEN™ 2020<br>High Rate; Poncho 1250+<br>Votivo | 32000 | – | –   | –        | 315/25/90   | Case IH 2150 Early Riser<br>Front Fold<br>Case IH 8250  |
| <b>Henry Everman</b><br>Dansville, NY           | 265.3495 | DEKALB<br>DKC60-67RIB       | SSRIB     | Poncho 500   | 31000 | – | Resolve Q, Status<br>Roundup PowerMax                     | –        | 200/160/60  | John Deere 1770NT<br>John Deere 9770 STS                |
| <b>OKLAHOMA</b>                                 |          |                             |           |  |       |   |   |          |             |   |
| <b>Lauren Foutch</b><br>Okmulgee, OK            | 125.3337 | DEKALB<br>DKC69-99RIB       | TRE RIB   | Amplify D+<br>Poncho 250                           | 32000 | – | AAtrex DF<br>Cinch ATZ, Glyphos                           | –        | 200/30/30   | John Deere 1770<br>John Deere S770                      |
| <b>Zachary Rendel</b><br>Miami, OK              | 102.3972 | AgriGold<br>A6572VT2RIB     | VT2RIB    | Acceleron+<br>Poncho 250                           | 27500 | – | –   | –        | 160/160/240 | John Deere 1770 NT CCS<br>John Deere S780               |
| <b>PENNSYLVANIA</b>                             |          |                             |           |  |       |   |   |          |             |   |
| <b>Jess A Powell</b><br>Greenville, PA          | 270.9700 | Pioneer<br>P0487Q™          | Q,LL,RR2  | –  | 34000 | – | –   | –        | 230/100/150 | John Deere 1770NT<br>John Deere S780                    |
| <b>Glen Krall</b><br>Lebanon, PA                | 261.2312 | Pioneer<br>P1136AM™         | AM,LL,RR2 | –  | 35000 | – | Atrazine<br>Halex   | –        | 150/0/200   | Kinze 3500<br>Gleaner S68                               |
| <b>Seth Ulmer</b><br>Lock Haven, PA             | 255.0187 | DEKALB<br>DKC59-82RIB       | VT2PRIB   | Acceleron  | 36000 | – | –   | –        | 200/50/200  | John Deere 1750<br>John Deere 9500 SideHill             |
| <b>SOUTH CAROLINA</b>                           |          |                             |           |  |       |   |   |          |             |   |
| <b>Jeff Dawson</b><br>Beaufort, SC              | 250.3624 | AgriGold<br>A647-42TRC      | TRC       | –  | 33000 | – | –   | –        | 350/80/300  | John Deere 1700 MaxEmerge XP<br>John Deere 9500         |
| <b>SOUTH DAKOTA</b>                             |          |                             |           |  |       |   |   |          |             |   |
| <b>David Waldner</b><br>Clark, SD               | 308.9586 | Pioneer<br>P9772AM™         | AM,LL,RR2 | –  | 34000 | – | –   | –        | 0/0/0       | John Deere 1770 Drawn CCS<br>MaxEmerge, John Deere S670 |
| <b>Robert Swisher</b><br>Groton, SD             | 265.0579 | Croplan Seed<br>4188VT2PRIB | VT2PRIB   | Amplify D+<br>Poncho 250                           | 36500 | – | Atrazine, Class Act NG<br>Harness Ultra, Roundup Max      | –        | 165/10/7    | John Deere 1770 NT CCS<br>John Deere 9770 STS           |
| <b>Taylor &amp; Renee Swisher</b><br>Groton, SD | 255.4696 | DEKALB<br>DKC43-75RIB       | VT2PRIB   | Amplify D+<br>Poncho 250                           | 36000 | – | Atrazine, Class Act NG<br>Harness Ultra, Roundup PowerMax | –        | 165/10/7    | John Deere 1770 NT CCS<br>John Deere 9770 STS           |
| <b>TENNESSEE</b>                                |          |                             |           |  |       |   |   |          |             |   |
| <b>Joshua Watson</b><br>Sweetwater, TN          | 319.3608 | DEKALB<br>DKC67-44RIB       | VT2PRIB   | Amplify D+<br>Poncho 1250                          | 37000 | – | Halex GT  | Trivapro | 350/200/200 | John Deere 1770<br>John Deere 9760 STS                  |
| <b>Justin Woodall</b><br>Decherd, TN            | 258.2481 | AgriGold<br>A643-52VT2RIB   | VT2RIB    | Poncho 500   | 36000 | – | –   | –        | 260/120/120 | John Deere 1770NT<br>Claas Lexion 750                   |
| <b>Madison Reed</b><br>Elora, TN                | 224.9215 | DEKALB<br>DKC65-99          | TRE       | –  | 37000 | – | –   | –        | 0/0/0       | John Deere 1775 NT<br>John Deere S660                   |
| <b>TEXAS</b>                                    |          |                             |           |  |       |   |   |          |             |   |
| <b>William Goodwin</b><br>Alvarado, TX          | 161.7025 | Dyna-Gro<br>D58SS65         | SS        | Poncho 500   | 24000 | – | –   | –        | 0/0/0       | John Deere 1770NT<br>John Deere S690                    |



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**JOHN DEERE**



| Yield | Hybrid Brand/ No. | Traits | Seed Treatment | Harvest Population | Insecticide | Herbicide | Fungicide | N/P/K | Planter/ Harvester |
|-------|-------------------|--------|----------------|--------------------|-------------|-----------|-----------|-------|--------------------|
|-------|-------------------|--------|----------------|--------------------|-------------|-----------|-----------|-------|--------------------|

## A: CONVENTIONAL NON-IRRIGATED

### VIRGINIA

|   |          |                       |           |             |       |   |                        |   |             |  |
|---|----------|-----------------------|-----------|-------------|-------|---|------------------------|---|-------------|--|
| <b>Heath Cutrell</b><br>Chesapeake, VA      | 394.0485 | DEKALB<br>DKC66-18RIB | VT2PRIB   | Poncho 1250 | 38000 | - | Atrazine<br>Roundup II | - | 270/80/150  | Case IH 2130<br>Case IH 8240           |
| <b>Ryan Horsley</b><br>Virginia Beach, VA   | 283.9189 | DEKALB<br>DKC70-27    | VT2P      | Poncho 1250 | 35000 | - | -                      | - | 300/200/220 | John Deere 1795<br>John Deere S790     |
| <b>Brad Rosenberger</b><br>Jeffersonton, VA | 282.4531 | Pioneer<br>P1222AM™   | AM,LL,RR2 | -           | 34000 | - | -                      | - | 147/0/80    | John Deere 1790 CCS<br>John Deere S780 |

### VERMONT

|   |          |                         |          |  |       |             |                       |   |            |   |
|---|----------|-------------------------|----------|--|-------|-------------|-----------------------|---|------------|---|
| <b>Rene Bourdeau</b><br>Swanton, VT               | 282.0389 | Pioneer<br>P0035Q™      | Q,LL,RR2 | LumiGEN™ 2020<br>High Rate; Poncho 1250<br>+Votivo | 36000 | -           | -                     | - | 241/45/170 | John Deere 1775NT<br>Case IH Axial Flow 7250          |
| <b>Brian Vandeweert</b><br>Ferrisburgh, VT        | 223.6207 | Channel<br>193-91STXRIB | SSRib    | Acceleron  | 32000 | -           | Atrazine+Lumax        | - | 150/25/125 | Kinze 3800<br>John Deere S680                         |
| <b>Theodore Grembowicz</b><br>North Clarendon, VT | 209.5281 | DEKALB<br>DKC44-97RIB   | SS       | Acceleron  | 32550 | Capture LFR | AAtrex 4L<br>Resicore | - | 130/20/70  | John Deere 1750 Drawn<br>Conservation<br>Case IH 2388 |

### WEST VIRGINIA

|   |          |                       |         |                          |       |                       |   |   |         |                                      |
|---|----------|-----------------------|---------|--------------------------|-------|-----------------------|---|---|---------|--------------------------------------|
| <b>Paul Miltenberger</b><br>Keyser, WV  | 246.3039 | DEKALB<br>DKC68-48RIB | SS      | Acceleron+<br>Poncho 250 | 32000 | Capture LFR<br>Lamcap | Atrazine 4L, Dicamba<br>Explorer, Glyphosate<br>Resolve Q | - | 125/0/0 | John Deere 1770NT<br>John Deere S760 |
| <b>Louis Miltenberger</b><br>Keyser, WV | 225.1496 | DEKALB<br>DKC70-27RIB | VT2PRIB | Acceleron+<br>Poncho 250 | 32000 | Capture LFR<br>Lamcap | Atrazine 4L, Dicamba<br>Explorer, Glyphosate<br>Resolve Q | - | 125/0/0 | John Deere 1770NT<br>John Deere S760 |





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## First Place



**CORY ATLEY**  
Cedarville, OH

**366.3266 bu./acre**  
**DEKALB DKC63-91RIB**  
**Harvest Population: 42,300**  
**Harvester: Claas Lexion 8600**

### SUPERVISORS

**Don Leeds:** Conservationist, Soil & Water Conservation District

**David Campbell:** Crop Insurance Agent, David Campbell Insurance

Sometimes, you just have to be patient. In each of the last two years, Cory Atley had come within one-half bushel of placing in the national yield contest. This year, he not only cracked the winners' circle for the first time, he nabbed top honors in this class with a yield of over 366 bu./acre. "I could hardly believe it when I got the phone call telling me I had won," says Atley. "I was tickled. It felt great."

To prep his contest field, Atley made two broadcast fertilizer applications—one in the fall; the other a few weeks ahead of planting—of MAP, potash and elemental sulfate. Application rates were based on grid sampling data.

For his contest entry, Atley planted DEKALB DKC63-91RIB in 20-inch rows. "We won our state contest with it three years in a row," he says. "It's just a great all-around corn. It has good kernel size and kernel depth, and very good standability. And it can handle stress."

"The short, upright leaves are also a good fit with our 20-inch rows," continues Atley. "The plants are able to respire at night. And you can keep the heat of the canopy but still get good sunlight penetration."

For a starter fertilizer, Atley ran a 4 gallon per acre mix of water, biologicals and fulvic acid in the furrow. The water helps lower salt levels in the soil, while the overall mixture is more economical than traditional starter blends like 10-24-0 or 6-24-6, "This year, we did a side-by-side comparison of our contest entry field and a plot where we didn't use any starter," he notes.

"We saw a significant yield advantage where we used the starter."

With one exception, the weather remained favorable after corn emergence. "In June, we went for 22 straight days without a measurable rainfall," Atley says. "And it was hot. The temperatures stayed in the 90s the entire time. I was starting to get concerned."

A Fourth of July rainfall broke the dry spell. "For the rest of July and all of August, we didn't have any really big rain events, but we had plenty of moisture," he points out.

Atley's nutrient management relied on results from tissue samples taken five times during the season to determine application timing and rates. At V5, he used a sprayer for a foliar feeding with micronutrients, stress relievers and fungicide. At R1 and R3, he used an airplane for additional foliar feedings. At the same time, he also flew on BASF's Veltima fungicide at full label rates. "I basically don't treat our contest fields any differently than the rest of the farm," he says. "I want to show we can achieve high yields economically by building on what we already have in place."

### Bushel Builders

- Use grid sampling and tissue tests to determine nutrient needs.
- Get crop off to a good start with a starter fertilizer.
- Focus on what you're already doing well.

## Second Place

**CARL ATLEY**  
Xenia, OH

**365.5673 bu./acre**  
**DEKALB DKC63-91**  
**Harvest Population: 42,250**  
**Harvester: Claas Lexion 8600**

### SUPERVISORS

**Don Leeds:** Conservationist, Soil & Water Conservation District

**David Campbell:** Crop Insurance Agent, David Campbell Insurance

Carl Atley (Cory's dad) makes his first-ever appearance in the national contest winners' circle this year. His yield of 365 bu./acre is an all-time personal best.

Getting his entry off to a good start was a focal point of Atley's contest winning game plan. "You have to get everything just right at planting," he says. "If you make mistakes at the get-go, you'll have to live with it for the rest of the season. With farming, you can't ever go back and have a re-do."

Ahead of the season, Atley spent hours in the farm shop doing maintenance on his 36-row John Deere DB60 planter. "We go over everything and anything on the planter that moves, looking for things that might need to be repaired or replaced.

"Once you start in on planting, it's all about being as accurate as possible," he adds. "If my crop plan calls for dropping 42,000 seeds per acre, I want to know without any doubt I have a planter that is going to drop 42,000 seeds per acre."

When he walked his contest field a few days after emergence, Atley knew immediately his efforts had paid off. "It had that nice picket fence look that you're always striving for," he says. "The corn was up in five days and all of the plants emerged within 24 hours of each other. There were no skips, no doubles. We were pretty happy. We felt like we had done a good job of setting ourselves up for success."

## Third Place

**EMMERSEN KALB**  
Dubois, IN

**340.0538 bu./acre**  
**DEKALB DKC67-94RIB**  
**Harvest Population: 38,000**  
**Harvester: CaseIH 8230**

### SUPERVISORS

**Kenny Eck:** Extension Educator, Purdue University Extension

**Nick Stevens:** Ag Loan Officer, Old National Bank

Emmersen Kalb is now officially two for two in the national contest. In 2021, as a 14 year-old, Kalb entered the contest for the first time and picked up a second place award. This year, she earns third place honors with a yield of just over 340 bu./acre.

"Taking part in the contest has been a great experience," says Kalb. "You learn so much from other growers about the things they're doing to improve yields. You get a lot of ideas about things you might want to try with your own entry."

Kalb's entire family gets involved in the contest. Her mom and dad, Shawn and Kevin, and her sisters, Nikia and Rhylan, all had entries this year. "It brings us closer together as a family," she says. "We can get competitive with each other at times, but we help each other out and encourage each other. We have a lot of fun doing it."

Looking back, Kalb is convinced her yield could have been even better. "We had great conditions at planting," she relates. "But right after that, it turned dry. Between V1 and tassel, we went 44 days and got less than one-half inch of rain."

Then the weather turned again. "We had lots of rain between the first part of July and mid-September," Kalb says. "But the crop couldn't catch up. That's how it goes with growing corn. You can do everything just right, but if the weather doesn't cooperate, you won't get the yield."

| Yield | Hybrid Brand/ No. | Traits | Seed Treatment | Harvest Population | Insecticide | Herbicide | Fungicide | N/P/K | Planter/Harvester |
|-------|-------------------|--------|----------------|--------------------|-------------|-----------|-----------|-------|-------------------|
|-------|-------------------|--------|----------------|--------------------|-------------|-----------|-----------|-------|-------------------|

## B: CONVENTIONAL NON-IRRIGATED\*

### IOWA

|                                     |          |                            |           |  |       |   |                     |          |             |   |
|-------------------------------------|----------|----------------------------|-----------|--|-------|---|---------------------|----------|-------------|---|
| <b>Leslie Lindner</b><br>Keokuk, IA | 313.6548 | Beck's Hybrids<br>6481AM™* | AM        | Acceleron+<br>Poncho 250                           | 36000 | – | Lexar+Roundup       | –        | 300/100/250 | John Deere 1770 NT CCS<br>John Deere S780 |
| <b>Ralph Trumm</b><br>Cascade, IA   | 307.7042 | Pioneer<br>P0924Q™         | Q,LL,RR2  | –  | 34000 | – | –                   | –        | 0/0/0       | John Deere 1775 NT<br>John Deere S780     |
| <b>Jim Gregory</b><br>Tabor, IA     | 305.8602 | Pioneer<br>P1222AM™        | AM,LL,RR2 | LumiGEN™ 2020<br>High Rate; Poncho 1250<br>+Votivo | 34000 | – | Keystone<br>Realm Q | Trivapro | 220/0/0     | John Deere 1790<br>John Deere 5770        |

### ILLINOIS

|  |          |                       |           |                          |       |   |   |   |             |   |
|--|----------|-----------------------|-----------|--------------------------|-------|---|---|---|-------------|---|
| <b>Braden Short</b><br>Norris City, IL | 315.1086 | DEKALB<br>DKC66-18RIB | VT2PRIB   | –                        | 36000 | – | – | – | 300/250/250 | Case IH 1250 Front-Fold Early Riser<br>Case IH 8250 |
| <b>Jim King</b><br>Ohio, IL            | 314.7848 | Pioneer<br>P1222AM™   | AM,LL,RR2 | –                        | 32000 | – | – | – | 0/0/0       | John Deere 1770<br>John Deere S760                  |
| <b>Eric Heaton</b><br>Ohio, IL         | 311.5296 | Pioneer<br>P1108Q™    | Q,LL,RR2  | LumiGEN™<br>2020 Premium | 34000 | – | – | – | 190/100/220 | John Deere 1770NT<br>John Deere S670                |

### INDIANA

|                                       |          |                           |              |                          |       |   |   |   |         |   |
|---------------------------------------|----------|---------------------------|--------------|--------------------------|-------|---|---|---|---------|---|
| <b>Rhylan Kalb</b><br>Dubois, IN      | 350.9272 | DEKALB<br>DKC65-99RIB     | Trecepta Rib | Acceleron+<br>Poncho 250 | 38000 | – | – | – | 0/0/0   | Case IH 1250 Front-Fold Early Riser<br>Case IH 8230 |
| <b>Emmersen Kalb</b><br>Dubois, IN    | 340.0538 | DEKALB<br>DKC67-94RIB     | TRE          | Acceleron+<br>Poncho 250 | 38000 | – | – | – | 0/0/0   | Case IH 1250 Front-Fold<br>Case IH 8230             |
| <b>Justin Campbell</b><br>Pimento, IN | 295.9157 | Channel<br>214-78DGV2PRIB | DGVT2P RIB   | Acceleron                | 40000 | – | – | – | 240/0/0 | Case IH 2160<br>Case IH 8250                        |

### MINNESOTA

|                                     |          |                       |           |                          |       |   |                                |   |            |  |
|-------------------------------------|----------|-----------------------|-----------|--------------------------|-------|---|--------------------------------|---|------------|--|
| <b>Jenna Sobeck</b><br>Winona, MN   | 302.9568 | DEKALB<br>DKC63-91RIB | VT2PRIB   | Acceleron                | 38000 | – | AAtrex, Glyphosate<br>Resicore | – | 200/48/150 | Kinze 3600<br>Case IH 5088                                 |
| <b>Daniel Erickson</b><br>Alden, MN | 301.5154 | DEKALB<br>DKC63-90RIB | SSRIB     | –                        | 34500 | – | Acuron<br>Dual II              | – | 210/80/120 | John Deere 1770 Conservation<br>John Deere 9560            |
| <b>Kevin Zimmer</b><br>Fairmont, MN | 289.4166 | Pioneer<br>P0953AM™   | AM,LL,RR2 | LumiGEN™<br>2020 Premium | 37000 | – | Callisto+AAtrex<br>Harness     | – | 160/60/120 | John Deere 1700 MaxEmerge<br>Vacuum<br>John Deere 9770 STS |

### MISSOURI

|                                      |          |                       |           |           |       |   |                          |   |         |  |
|--------------------------------------|----------|-----------------------|-----------|-----------|-------|---|--------------------------|---|---------|--|
| <b>Jeff Westcott</b><br>Chula, MO    | 322.5291 | DEKALB<br>DKC66-18RIB | VT2PRIB   | Acceleron | 32000 | – | 2,4-D, Bicep<br>Callisto | – | 0/0/0   | John Deere 1795<br>John Deere S770     |
| <b>Mike Daniels</b><br>Hale, MO      | 319.2029 | Pioneer<br>P1359AM™   | AM,LL,RR2 | –         | 37000 | – | –                        | – | 0/0/0   | John Deere 1990 CCS<br>John Deere S670 |
| <b>Aaron Landes</b><br>Jamesport, MO | 313.0000 | Pioneer<br>P1359AM™   | AM,LL,RR2 | –         | 31000 | – | –                        | – | 240/0/0 | John Deere 1790 CCS<br>John Deere 9770 |

### OHIO

|                                     |          |                             |         |                          |       |                     |                       |                         |            |   |
|-------------------------------------|----------|-----------------------------|---------|--------------------------|-------|---------------------|-----------------------|-------------------------|------------|---|
| <b>Cory Atley</b><br>Cedarville, OH | 366.3266 | DEKALB<br>DKC63-91RIB       | VT2PRIB | LumiGEN™<br>2020 Premium | 42300 | Sniper<br>Tombstone | Atrazine 4L<br>Corvus | Stratego YLD<br>Veltyma | 260/78/120 | John Deere DB60<br>Claas Lexion 8600                |
| <b>Carl Atley</b><br>Xenia, OH      | 365.5673 | DEKALB<br>DKC63-91          | VT2P    | LumiGEN™<br>2020 Premium | 42250 | Sniper<br>Tombstone | Atrazine 4L<br>Corvus | Stratego YLD<br>Veltyma | 260/78/120 | John Deere DB60<br>Claas Lexion 8600                |
| <b>Ken Gerten</b><br>Leipsic, OH    | 302.8884 | FS InVISION<br>FS 6017V RIB | VT2PRIB | Poncho 250               | 32000 | –                   | –                     | –                       | 210/60/60  | Case IH 2150 Early Riser Front Fold<br>Case IH 6140 |

### WISCONSIN

|  |          |                       |           |            |       |   |       |   |            |   |
|--|----------|-----------------------|-----------|------------|-------|---|-------|---|------------|---|
| <b>Jared Ripp</b><br>Dane, WI                | 324.0202 | DEKALB<br>DKC59-81RIB | SSRIB     | –          | 35000 | – | –     | – | 0/0/0      | John Deere 1770 NT CCS<br>John Deere S670 |
| <b>Ron Digman</b><br>Mount Hope, WI          | 319.3328 | Pioneer<br>P1185AM™   | AM,LL,RR2 | Lumivia    | 35000 | – | Halex | – | 0/0/0      | John Deere 1770 NT CCS<br>Case 2388       |
| <b>Kenneth Van Bogaert</b><br>Darlington, WI | 310.7675 | DEKALB<br>DKC63-91RIB | VT2PRIB   | Poncho 250 | 40000 | – | –     | – | 240/90/190 | Kinze 4900<br>John Deere S670             |

## First Place



### DREW HAINES

Middletown, MD

384.8359 bu./acre  
DEKALB DKC68-69RIB  
Harvest Population: 38,000  
Harvester: John Deere S660

#### SUPERVISORS

**Kellie Wilson:** Ag Loan Officer, Mid-Atlantic Farm Credit

**Ashley Wiles:** Ag Loan Officer, Horizon Farm Credit

The start of another contest winning streak for Drew Haines? Could be.

Between 2015 and 2020, he captured first place honors each year. Last year, drought conditions in his area crimped yields and kept him out of the national contest winners' circle. This year, he's back with a class-topping yield of nearly 385 bu./acre.

Haines set the stage for this year's winning entry by focusing on building nutrient levels on his contest field. Three weeks prior to planting, he applied 3 gallons per acre of humic acid coupled with an application of phosphorus, potash and ammonium sulfate. Two weeks later, he applied ESN nitrogen.

On May 14, Haines planted 40,000 seeds/acre of DEKALB DKC68-69RIB, the same hybrid that delivered a yield of 422 bu./acre and a first-place national contest award in 2019. "We have it in our on-farm test plots, and it always seems to outperform everything else," he says. "It delivers very large kernels. That translates into very good test weights."

To help with rapid emergence, Haines placed 3 gallons per acre of a "home-built" starter fertilizer directly into the furrow while planting. He also made it a point to slow down the planter. "My top speed is 4 mph," he notes. "I don't want that planter jerking and bouncing around because that will interfere with nice, even emergence. It sounds like a little thing, but you only have one chance to get everything right. It's the most important part of the game."

Following planting, the weather continued to cooperate. "We had one dry spell right after pollination

in July," Haines notes. "We didn't get any rain for three weeks. But other than that, we had good temperatures, and we got rain when we needed it."

Haines zeroed in on timely nutrient applications following crop emergence.

At V4 and V6, he foliar fed the crop with micronutrients and growth promoter products. In between, he top-dressed with nitrogen and potash. From V6 onward, he used a drone to fly on weekly applications of potassium, sulfur, essential oils, nectar and micronutrients. In all, he made 11 drone applications.

"We used to take tissue samples and use the results to determine timing and amounts of our nutrients," he says. "But if a sample showed anything out of line, it was already too late to do anything about it."

Pre- and post-tassel fly-on applications of **BASF Headline Amp** fungicide were part of Haines' game plan as well. "I'm convinced the fungicide helps ward off diseases," he says. "But we're able to back off to half-rates for our applications because we're already doing a good job of keeping of plants green, lush and healthy with our nutrient management."

### Bushel Builders

- Match hybrids to your soil and management.
- Use a starter fertilizer.
- Keep plants green, lush and healthy.

## Second Place

### MIKE SCHOLTING

Louisville, NE

322.4631 bu./acre  
AGRIGOLD A645-16VT2RIB  
Harvest Population: 30,500  
Harvester: John Deere 680

#### SUPERVISOR

**Dustin Hartwell:** Agronomist, Flatwater Agronomy

Mike Scholting continues building on his long, impressive track record in the national yield contest. From 1996 through 2015, he made an appearance in the national winners' circle seven times. This year, he returns with a yield topping 322 bu./acre, earning a second place award.

The contest field was planted to AgriGold A645-16VT2RIB, a hybrid Scholting tried for the first time in 2021. "It has great ear flex and standability," he says. "And it can handle drought stress. In eastern Nebraska, you can always expect it to be dry at some point during the season."

Scholting planted the field at 30,000 seeds/acre. "Somewhere between 28,000 and 30,000 has always been our sweet spot," he says. "On our contest fields over the years, we've gone as high as 33,000 seeds/acre. But it has never worked out. We're better off putting fewer plants out there and feeding the nutrients to what we have."

Three weeks ahead of his April 30 planting date, Scholting knifed in 245 pounds per acre of anhydrous ammonia. Two weeks later, he came back with a broadcast application of 200 pounds of MAP plus zinc and sulfur. At V10, he used a high-pressure rolling cutter to apply 30 gallons per acre of 28% liquid nitrogen.

A love for competition motivates him to enter the contest each year. "It's always fun to compete. It's even more fun to win. Also, the contest allows us to push the envelope with some new things. When we find something that works, we can carry it over to the rest of our acres."

## Third Place

### MARVIN & GLENN WILES

Plattsmouth, NE

313.0475 bu./acre  
DEKALB DKC64-65RIB  
Harvest Population: 42,000  
Harvester: John Deere S780

#### SUPERVISOR

**Tim Mundorf:** Agronomist, Midwest Laboratories

Challenging weather had the Wiles brothers, Marvin and Glenn, wondering at times whether they should enter the contest this year. "It was dry throughout the season," says Marvin, noting that he and Glenn were especially concerned about their entry's prospects in July and August. "Typically, the rains in those months are what make our corn. But this year, we had just 3 inches total for the two months. The year before, we had 10 inches.

"And it was hot," he continues. "We had long stretches of 95 degrees plus temps in the daytime and a lot of nights where it didn't get down to 80 degrees."

The crop came through, though. A yield of just over 313 bu./acre earned the Wiles a third place award.

The brothers laid the groundwork for fertility management on their contest ground the previous winter with an application of phosphorus, potash and micronutrients. They followed up with a surface application of 180 pounds of nitrogen and 20 pounds of sulfur a week ahead of planting. At planting, they ran 3 gallons per acre of NutriTriological starter fertilizer in the furrow, along with 4 ounces of FMC's Ethos insecticide/fungicide. Five weeks after planting, they side-dressed 200 pounds of nitrogen.

The Wiles made two, 10-ounce aerial applications of Delaro Complete fungicide—one in mid-May, the other just after pollination. "With the dry conditions, disease wasn't much of a problem," says Marvin. "But there are other benefits to fungicides like water use efficiency, carbon dioxide insemination and improved stalk quality. I'm sold on their value."

| Yield   | Hybrid Brand/ No. | Traits                      | Seed Treatment           | Harvest Population       | Insecticide | Herbicide            | Fungicide   | N/P/K                           | Planter/ Harvester |  |
|---|-------------------|-----------------------------|--------------------------|--------------------------|-------------|----------------------|---|---------------------------------|--------------------|--|
| <b>C: NO-TILL NON-IRRIGATED</b>               |                   |                             |                          |                          |             |                      |   |                                 |                    |  |
| <b>ALABAMA</b>                                |                   |                             |                          |                          |             |                      |   |                                 |                    |  |
| <b>Jamie Roberts</b><br>Fort Payne, AL        | 275.1997          | Pioneer<br>P2089VYHR        | AVBL,YGCB,<br>HX1,LL,RR2 | LumiGEN™<br>2020 Premium | 29450       | Grizzley,<br>Sharpen | Armezon Pro<br>Atrazine 90 DF<br>Roundup PowerMax         | –                               | 185/0/0            | Kinze 3500<br>John Deere S670                                  |
| <b>Adam Dyer</b><br>Arab, AL                  | 203.4053          | DEKALB<br>DKC64-35          | VT2P                     | –                        | 39000       | –                    | Atrazine<br>Roundup, Verdict                              | –                               | 0/0/150            | Kinze 3500<br>Case IH 7010                                     |
| <b>John Bevel</b><br>Albertville, AL          | 187.1915          | DEKALB<br>DKC67-44          | VT2P                     | Acceleron+<br>Poncho 250 | 27360       | –                    | Atrazine 4L<br>Laudis, Sterling Blue<br>Roundup PowerMax  | –                               | 107/0/12           | Kinze 3600<br>John Deere 9660                                  |
| <b>COLORADO</b>                               |                   |                             |                          |                          |             |                      |   |                                 |                    |  |
| <b>Justin Livingston</b><br>Stratton, CO      | 88.4946           | DEKALB<br>DKC55-85RIB       | VT2PRIB                  | Acceleron                | 12500       | –                    | –   | –                               | 55/35/1            | John Deere 1770 NT CCS<br>John Deere S670                      |
| <b>Tom Halde</b><br>Cheyenne Wells, CO        | 53.3516           | Pioneer<br>P0622AML™        | AML,LL,RR2               | –                        | 10000       | –                    | Atrazine, Callisto<br>Roundup                             | –                               | 50/20/0            | John Deere 1775NT<br>John Deere S670                           |
| <b>Jerry Stahlecker</b><br>Bethune, CO        | 50.0348           | DEKALB<br>DKC47-55RIB       | VT2PRIB                  | Acceleron                | 14000       | –                    | Atrazine 4L, Dicamba<br>Balance Flexx<br>Cornerstone Plus | –                               | 60/20/0            | John Deere 1760 MaxEmerge<br>Plus Vacuum<br>New Holland TR98   |
| <b>CONNECTICUT</b>                            |                   |                             |                          |                          |             |                      |   |                                 |                    |  |
| <b>Louis Lipton</b><br>Somers, CT             | 270.7590          | Channel<br>207-27           | CONV                     | Acceleron+<br>Poncho 250 | 33400       | –                    | Atrazine 90 DF<br>Realm Q                                 | XywayLFR                        | 350/150/245        | Kinze 2500<br>John Deere S670                                  |
| <b>DELAWARE</b>                               |                   |                             |                          |                          |             |                      |   |                                 |                    |  |
| <b>Robert Emerson</b><br>Middletown, DE       | 267.3036          | DEKALB<br>DKC65-95RIB       | VT2PRIB                  | –                        | 31500       | –                    | –   | –                               | 200/31/250         | John Deere 1790 CCS<br>John Deere S680                         |
| <b>Aaron R Thompson</b><br>Hartly, DE         | 266.1890          | Channel<br>218-44VT2PRIB    | VT2P-RIB                 | Cruiser+Poncho           | 26000       | –                    | –   | –                               | 140/0/60           | Kinze 2600<br>Gleaner R75                                      |
| <b>FLORIDA</b>                                |                   |                             |                          |                          |             |                      |   |                                 |                    |  |
| <b>Sam Jones</b><br>Jasper, FL                | 227.9078          | Pioneer<br>P1847VYHR        | AVBL,YGCB,<br>HX1,LL,RR2 | ApronMax+<br>Poncho 250  | 27520       | –                    | Atrazine 4L, Gly Star Plus<br>Prowl 3.3 EC                | –                               | 225/45/300         | Monosem Twin Row<br>John Deere 9570                            |
| <b>GEORGIA</b>                                |                   |                             |                          |                          |             |                      |   |                                 |                    |  |
| <b>Jackson Courson</b><br>Baxley, GA          | 194.2440          | Dyna-Gro<br>D58VC65         | VT2P                     | –                        | 22000       | –                    | –   | –                               | 145/30/125         | John Deere 1720 MaxEmerge XP<br>John Deere 9670 STS            |
| <b>Jerry Smith</b><br>Dawsonville, GA         | 193.2516          | Pioneer<br>P1870YHR         | YGCB,HX1,<br>LL,RR2      | –                        | 32000       | –                    | Atrazine<br>Glyphosate                                    | –                               | 10/10/10           | John Deere 7000 Conservation<br>John Deere 9510                |
| <b>KANSAS</b>                                 |                   |                             |                          |                          |             |                      |   |                                 |                    |  |
| <b>Brandon Geiger</b><br>Highland, KS         | 285.4232          | AgriGold<br>A645-16VT2RIB   | VT2RIB                   | –                        | 36000       | –                    | –   | –                               | 210/120/90         | John Deere 1795<br>Case IH Axial Flow 7240                     |
| <b>Blair Geiger</b><br>Highland, KS           | 284.1686          | AgriGold<br>A645-16VT2RIB   | VT2RIB                   | –                        | 36000       | –                    | –   | –                               | 210/120/90         | John Deere 1795<br>Case IH Axial Flow 7240                     |
| <b>Dean and Victor Menold</b><br>Hiawatha, KS | 283.3850          | Beck's Hybrids<br>6374V2P   | V2P                      | Escalate                 | 34000       | –                    | –   | –                               | 0/0/0              | John Deere 1790 CCS<br>John Deere S770                         |
| <b>KENTUCKY</b>                               |                   |                             |                          |                          |             |                      |   |                                 |                    |  |
| <b>Ethan Straney</b><br>Vine Grove, KY        | 294.8644          | DEKALB<br>DKC69-99RIB       | TRERIB                   | Acceleron+<br>Poncho 250 | 40000       | –                    | –   | –                               | 230/20/25          | Harvest International Ultra Plant<br>Series 40, Case IH 8010   |
| <b>Jacob Cecil</b><br>Owensboro, KY           | 285.5610          | FS InVISION<br>FS 6306T RIB | TRE RIB                  | Acceleron+<br>Poncho 250 | 36000       | –                    | –   | –                               | 283/69/120         | Case IH 1245 Pivot-Transport<br>Early Riser<br>John Deere 9670 |
| <b>Garret Igleheart</b><br>Centertown, KY     | 278.8520          | AgriGold<br>A642-59 VT2PRO  | VT2PRO                   | Poncho 500               | 38000       | –                    | Halex GT<br>Verdict                                       | Priaxor<br>Trivapro<br>Veltyrna | 325/120/120        | White 9816<br>Gleaner S78                                      |
| <b>MASSACHUSETTS</b>                          |                   |                             |                          |                          |             |                      |   |                                 |                    |  |
| <b>Matthew Llewelyn</b><br>Greenfield, MA     | 252.9813          | Channel<br>199-11STXRIB     | SSRIB                    | Acceleron+<br>Poncho 250 | 37000       | –                    | Capreno   | –                               | 220/37/230         | John Deere 7200 MaxEmerge 2<br>Vacuum<br>John Deere 9500       |
| <b>MARYLAND</b>                               |                   |                             |                          |                          |             |                      |   |                                 |                    |  |
| <b>Drew Haines</b><br>Middletown, MD          | 384.8359          | DEKALB<br>DKC68-69RIB       | VT2PRIB                  | –                        | 38000       | –                    | –   | –                               | 400/100/550        | John Deere 7200<br>John Deere S660                             |



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| Yield | Hybrid Brand/ No. | Traits | Seed Treatment | Harvest Population | Insecticide | Herbicide | Fungicide | N/P/K | Planter/Harvester |
|-------|-------------------|--------|----------------|--------------------|-------------|-----------|-----------|-------|-------------------|
|-------|-------------------|--------|----------------|--------------------|-------------|-----------|-----------|-------|-------------------|

## C: NO-TILL NON-IRRIGATED

|  |          |                            |                          |   |       |                |  |              |             |   |
|--|----------|----------------------------|--------------------------|---|-------|----------------|--|--------------|-------------|---|
| <b>Brad Rill</b><br>Hampstead, MD                | 273.9881 | DEKALB<br>DKC70-27RIB      | VT2PRIB                  | –   | 33000 | –              | –  | –            | 80/150/150  | Fendt Momentum FTPM24-30<br>Case IH 8250                    |
| <b>Isaac Riggs</b><br>Lothian, MD                | 266.0821 | Axis<br>63H27              | VT2PRIB                  | Acceleron   | 34000 | Bifenthrin 2EC | Atrazine 4L<br>Roundup PowerMax<br>Zidua                   | Trivapro     | 180/80/120  | Kinze 3100<br>John Deere 9550                               |
| <b>MICHIGAN</b>                                  |          |                            |                          |   |       |                |  |              |             |   |
| <b>Jay Ferguson</b><br>Yale, MI                  | 277.1027 | Pioneer<br>P0035AM™        | AM,LL,RR2                | PPST 250  | 33700 | –              | Callisto, Durango<br>Cinch ATZ                             | –            | 200/75/150  | Case IH 2160<br>Case IH Axial Flow 9250                     |
| <b>Brad Love</b><br>Coldwater, MI                | 273.0875 | Channel<br>209-15VT2PRIB   | VT2PRIB                  | –   | 31700 | –              | Lumax EZ   | –            | 180/13/0    | Kinze 3600<br>Case IH 1666                                  |
| <b>Alvin Ferguson</b><br>Allenton, MI            | 261.7493 | Pioneer<br>P0075AM™        | AM,LL,RR2                | PPST 250  | 33200 | –              | Callisto, Cinch ATZ<br>Durango                             | –            | 200/75/150  | Kinze 3600<br>Case IH Axial Flow 9250                       |
| <b>MISSISSIPPI</b>                               |          |                            |                          |   |       |                |  |              |             |   |
| <b>Justin Hurt</b><br>Senatobia, MS              | 238.6452 | AgriGold<br>A6659VT2PRO    | VT2PRO                   | Poncho 250  | 37000 | –              | –  | –            | 221/0/0     | Monosem Twin Row<br>John Deere S770                         |
| <b>Michael Williams</b><br>Coldwater, MS         | 232.0156 | AgriGold<br>A6544 VT2PRO   | VT2PRO                   | Poncho 500  | 38000 | –              | –  | –            | 210/50/120  | Great Plains YP-1225<br>John Deere S670                     |
| <b>NORTH CAROLINA</b>                            |          |                            |                          |   |       |                |  |              |             |   |
| <b>Ed Wood</b><br>Andrews, NC                    | 288.6636 | Dyna-Gro<br>D54VC14        | VT2P                     | Poncho 1250                                       | 32600 | Sniper         | Atrazine 4L, Peak<br>Brawl II ATZ, Dicamba<br>Credit Extra | Veltyrna     | 216/2/91    | John Deere 1780 Drawn Rigid<br>Gleaner R52                  |
| <b>Keith Wood</b><br>Andrews, NC                 | 274.0871 | DEKALB<br>DKC63-57         | VT2P                     | Poncho 1250                                       | 32400 | Sniper         | Atrazine 4L, Peak<br>Brawl II ATZ, Dicamba<br>Credit Extra | Veltyrna     | 216/2/91    | John Deere 1780 Drawn Rigid<br>Gleaner R52                  |
| <b>Matthew Wood</b><br>Andrews, NC               | 271.4126 | MorCorn<br>MC 4311-TRE     | TRE                      | Poncho 1250                                       | 33500 | Sniper         | Atrazine 4L, Peak<br>Brawl II ATZ, Dicamba<br>Credit Extra | Veltyrna     | 216/2/91    | John Deere 1780 Drawn Rigid<br>Gleaner R52                  |
| <b>NORTH DAKOTA</b>                              |          |                            |                          |   |       |                |  |              |             |   |
| <b>Cara Myers</b><br>Colfax, ND                  | 234.1643 | Pioneer<br>P9998AM™        | AM,LL,RR2                | Amplify L   | 34000 | –              | AAtrax 4L<br>Generic Roundup<br>Resicore                   | –            | 300/60/80   | White 9824<br>Case IH 8250                                  |
| <b>Jamie Edwards</b><br>Adrian, ND               | 231.5320 | Pioneer<br>P9540AM™        | AM,LL,RR2                | –   | 32000 | –              | –  | –            | 0/0/0       | John Deere DB60<br>John Deere 9770 STS                      |
| <b>Murray Pfau</b><br>Upham, ND                  | 167.7520 | Golden Harvest<br>G80Q01-V | Viptera<br>3220A         | –   | 28000 | –              | –  | –            | 130/80/20   | John Deere 1770NT<br>John Deere 9870                        |
| <b>NEBRASKA</b>                                  |          |                            |                          |   |       |                |  |              |             |   |
| <b>Mike Scholting</b><br>Louisville, NE          | 322.4631 | AgriGold<br>A645-16VT2RIB  | VT2RIB                   | Acceleron+<br>Poncho 250                          | 30500 | –              | –  | –            | 250/150/120 | John Deere 1775 NT<br>John Deere S680                       |
| <b>Marvin and Glenn Wiles</b><br>Plattsmouth, NE | 313.0475 | DEKALB<br>DKC64-65RIB      | VT2P                     | Acceleron+<br>Poncho 250                          | 42000 | –              | Harness Xtra 5.6L  | –            | 275/50/25   | John Deere 1795<br>John Deere S780                          |
| <b>Jeff Baker</b><br>Pender, NE                  | 291.0903 | DEKALB<br>DKC64-65RIB      | VT2P                     | Acceleron Elite                                   | 32000 | –              | 2,4-D, Callisto<br>Generic Roundup<br>Keystone LA          | –            | 180/100/100 | John Deere 1795<br>John Deere S770                          |
| <b>NEW JERSEY</b>                                |          |                            |                          |   |       |                |  |              |             |   |
| <b>Sharon Santini</b><br>Phillipsburg, NJ        | 301.9098 | Pioneer<br>P1136AM™        | AM,LL,RR2                | –   | 38000 | –              | Acuron<br>Roundup PowerMax                                 | Headline AMP | 0/0/0       | John Deere 1795<br>John Deere S760                          |
| <b>Leonard Truszkowski</b><br>Stewartsville, NJ  | 244.1149 | DEKALB<br>DKC61-41RIB      | VT2PRIB                  | Acceleron   | 38000 | –              | Makaze   | –            | 225/150/100 | John Deere 1770NT<br>Claas Lexion 570                       |
| <b>Chris Santini</b><br>Stewartsville, NJ        | 232.3789 | Pioneer<br>P1718AML™       | AML,LL,RR2               | LumiGEN™<br>2020 Premium                          | 38000 | –              | Lumax  | –            | 220/150/200 | John Deere 1780 MaxEmerge<br>Plus Vacuum<br>John Deere S670 |
| <b>NEW YORK</b>                                  |          |                            |                          |   |       |                |  |              |             |   |
| <b>Lance Rovers</b><br>Chazy, NY                 | 265.3069 | Pioneer<br>P0035Q™         | Q,LL,RR2                 | LumiGEN™ 2020<br>High Rate; Poncho<br>1250+Votivo | 37000 | –              | –  | –            | 50/0/0      | John Deere 1775 NT<br>John Deere S790                       |
| <b>John Macauley</b><br>Mount Morris, NY         | 242.6139 | AgriGold<br>A629-12 VT2RIB | VT2RIB                   | Acceleron   | 35000 | –              | Atrazine+Drexel  | –            | 300/100/100 | John Deere 1770NT<br>John Deere 9500                        |
| <b>OKLAHOMA</b>                                  |          |                            |                          |   |       |                |  |              |             |   |
| <b>Cody Sloan</b><br>Gore, OK                    | 211.2787 | Pioneer<br>P1718VYHR       | AVBL,YGCB,<br>HX1,LL,RR2 | –   | 28000 | –              | Anthem MAXX<br>Atrazine+Roundup                            | Trivapro     | 200/0/0     | John Deere 1770 NT CCS<br>John Deere S780                   |

| Yield | Hybrid Brand/ No. | Traits | Seed Treatment | Harvest Population | Insecticide | Herbicide | Fungicide | N/P/K | Planter/ Harvester |
|-------|-------------------|--------|----------------|--------------------|-------------|-----------|-----------|-------|--------------------|
|-------|-------------------|--------|----------------|--------------------|-------------|-----------|-----------|-------|--------------------|

## C: NO-TILL NON-IRRIGATED

### PENNSYLVANIA

|  |          |                       |           |   |       |         |  |       |           |   |
|--|----------|-----------------------|-----------|---|-------|---------|--|-------|-----------|---|
| <b>Conrad King</b><br>Atglen, PA           | 305.4311 | Pioneer<br>P1136AM™   | AM,LL,RR2 | Lumisena,<br>Poncho 250                           | 37000 | –       | –  | –     | 275/0/0   | Kinze 3650<br>John Deere S670                             |
| <b>David Wolfskill</b><br>Wernersville, PA | 300.8601 | Pioneer<br>P1136AM™   | AM,LL,RR2 | LumiGEN™ 2020<br>High Rate; Poncho<br>1250+Votivo | 35258 | Calvary | 2,4-D Ester<br>Corvus, Infantry 4L<br>Roundup PowerMax | Xyway | 275/0/0   | Fendt Momentum FTPM24-30<br>Case IH 2388                  |
| <b>Matthew Beam</b><br>Elverson, PA        | 297.7339 | DEKALB<br>DKC62-70RIB | VT2P      | Acceleron   | 40000 | –       | Anthem MAXX<br>Gramoxone<br>Halex GT                   | –     | 170/0/100 | John Deere 1770 Drawn CCS<br>MaxEmerge<br>John Deere S680 |

### SOUTH DAKOTA

|                                    |          |                           |       |                          |       |   |   |   |            |   |
|------------------------------------|----------|---------------------------|-------|--------------------------|-------|---|---|---|------------|---|
| <b>Joey Waldner</b><br>Huron, SD   | 264.9245 | Beck's Hybrids<br>5393V2P | V2P   | –                        | 32000 | – | –   | – | 220/0/0    | John Deere 1760 MaxEmerge<br>Plus Vacuum<br>John Deere S670 |
| <b>Jeffery Flihs</b><br>Groton, SD | 240.6272 | Hefty Seed<br>H4734       | SMSTX | Acceleron+<br>Poncho 250 | 33000 | – | AAtrex 4L, DiFlexx<br>Harness<br>Roundup WeatherMax | – | 195/120/60 | John Deere DB60<br>John Deere S780                          |

### TENNESSEE

|                                       |          |                        |          |            |       |   |   |   |             |                                       |
|---------------------------------------|----------|------------------------|----------|------------|-------|---|---|---|-------------|---------------------------------------|
| <b>Don Willis</b><br>Hillsboro, TN    | 282.1123 | Dyna-Gro<br>D54VC34RIB | VT2P-RIB | Poncho 500 | 40000 | – | – | – | 230/120/110 | Case IH 1255<br>Case IH 5140          |
| <b>Robert Henley</b><br>Hillsboro, TN | 279.7190 | Dyna-Gro<br>D54VC34RIB | VT2P-RIB | Poncho 500 | 40000 | – | – | – | 230/120/110 | Case IH 1255<br>Case IH 5140          |
| <b>Owen Reed</b><br>Elora, TN         | 263.0485 | DEKALB<br>DKC67-44     | VT2P     | –          | 37000 | – | – | – | 0/0/0       | John Deere 1775 NT<br>John Deere S660 |

### TEXAS

|                               |         |                     |                     |   |       |   |         |   |         |  |
|-------------------------------|---------|---------------------|---------------------|---|-------|---|---------|---|---------|--|
| <b>Brian Fink</b><br>Cost, TX | 89.5284 | Pioneer<br>P1759YHR | YGCB,HX1,<br>LL,RR2 | – | 27500 | – | Leadoff | – | 150/0/0 | John Deere 1720<br>MaxEmerge XP<br>John Deere S670 |
|-------------------------------|---------|---------------------|---------------------|---|-------|---|---------|---|---------|--|

### VIRGINIA

|   |          |                       |            |         |       |                         |   |         |          |  |
|---|----------|-----------------------|------------|---------|-------|-------------------------|---|---------|----------|--|
| <b>Ben Williams</b><br>Greenville, VA   | 311.6950 | DEKALB<br>DKC65-20RIB | DG-VT2PRIB | –       | 32500 | –                       | –   | –       | 0/0/0    | John Deere 1750 MaxEmerge Plus<br>Case IH 2188 |
| <b>Guy Gochenour</b><br>Woodstock, VA   | 290.0160 | DEKALB<br>DKC70-27RIB | VT2PRIB    | –       | 34910 | –                       | –   | –       | 250/0/40 | Kinze 3600<br>John Deere S670                  |
| <b>Joe Zimmerman</b><br>Bridgewater, VA | 289.8490 | Pioneer<br>P1197AM™   | AM,LL,RR2  | Lumivia | 36000 | Lambda-Cy<br>Warrior II | AAtrex<br>AAtrex + Princep<br>Acuron Flexi<br>Gly Star Plus | Miravis | 310/0/0  | Kinze 3500<br>John Deere 9560                  |

### VERMONT

|                                      |          |                    |          |   |       |   |   |   |            |                                       |
|--------------------------------------|----------|--------------------|----------|---|-------|---|---|---|------------|---------------------------------------|
| <b>Jason Bourdeau</b><br>Sheldon, VT | 211.0013 | Pioneer<br>P0306Q™ | Q,LL,RR2 | LumiGEN™<br>2020 High Rate;<br>Poncho 1250+Votivo | 36200 | – | – | – | 195/20/180 | Kinze 3665<br>Case IH Axial Flow 7240 |
|--------------------------------------|----------|--------------------|----------|---|-------|---|---|---|------------|---------------------------------------|

### WASHINGTON

|                                      |         |                       |         |   |       |   |   |   |         |  |
|--------------------------------------|---------|-----------------------|---------|---|-------|---|---|---|---------|--|
| <b>John Aeschliman</b><br>Colfax, WA | 86.6670 | DEKALB<br>DKC33-78RIB | VT2PRIB | – | 32000 | – | – | – | 50/0/25 | John Deere 7000<br>Case IH Axial Flow 7088 |
|--------------------------------------|---------|-----------------------|---------|---|-------|---|---|---|---------|--|

### WEST VIRGINIA

|   |          |                       |         |           |       |   |  |                     |            |  |
|---|----------|-----------------------|---------|-----------|-------|---|--|---------------------|------------|--|
| <b>Jeanne Bailey</b><br>Hurricane, WV   | 278.9752 | DEKALB<br>DKC70-27RIB | VT2PRIB | Acceleron | 32000 | – | Brawl ATZ, Rifle<br>Clethodim 2E, Status<br>Roundup PowerMax | Helmstar<br>Plus SC | 220/75/100 | John Deere 1790 CCS<br>John Deere 9670 STS |
| <b>Michael Wolpert</b><br>Hurricane, WV | 261.3904 | DEKALB<br>DKC67-44RIB | VT2PRIB | Acceleron | 32000 | – | Brawl ATZ, Rifle<br>Clethodim 2E, Status<br>Roundup PowerMax | Helmstar<br>Plus SC | 220/50/100 | John Deere 1790 CCS<br>John Deere 9670 STS |
| <b>Bailey Wolpert</b><br>Hurricane, WV  | 256.8495 | DEKALB<br>DKC70-27RIB | VT2PRIB | Acceleron | 32000 | – | Brawl ATZ, Rifle<br>Clethodim 2E, Status<br>Roundup PowerMax | Helmstar<br>Plus SC | 220/50/100 | John Deere 1790 CCS<br>John Deere 9670 STS |

### WYOMING

|  |         |                       |           |             |       |   |                                      |   |          |   |
|--|---------|-----------------------|-----------|-------------|-------|---|--------------------------------------|---|----------|---|
| <b>Lee Peterson</b><br>Albin, WY           | 58.7241 | DEKALB<br>DKC43-75RIB | VT2PRIB   | Cruiser 250 | 14500 | – | Armezon Pro<br>Atrazine, Durango DMA | – | 60/30/10 | John Deere 1770NT CCS ProXP<br>John Deere S780      |
| <b>Travis Eisenbarth</b><br>Torrington, WY | 21.8206 | Pioneer<br>P9492AM™*  | AM,LL,RR2 | –           | 11000 | – | –                                    | – | 0/0/0    | John Deere 1770 Conservation<br>John Deere 9670 STS |

## First Place



### NIKIA KALB

Dubois, IN

355.7383 bu./acre  
DEKALB DKC67-94RIB  
Harvest Population: 38,000  
Harvester: CaseIH 8250

#### SUPERVISORS

**Nick Stevens:** Ag Loan Officer,  
Old National Bank

**Tim Robinette:** Ag Loan Officer,  
First Financial Bank

Nikia Kalb just keeps moving onward and upward in the national corn yield contest. She entered for the first time in 2018 and earned a third place award. In 2019 and 2021, she captured second place honors each year. This year, she climbs to the top of this class with a yield of nearly 356 bu./acre.

As a starting point for building this year's class-topping yield, Kalb focused on selecting a hybrid that matched up with the soil makeup of her contest field and her nutrient management program. She planted DEKALB DKC67-94RIB, the same hybrid her step-dad, Kevin Kalb, had in place last year when he won the Strip-Till, Non-Irrigated Class with a yield of 409 bu./acre. "It has big heavy kernels which lead to good test weights," she says. "It's a yielder for sure."

Kalb planted at a seeding rate of 38,000 seeds/acre. "We used to push the populations a little more," she says, noting that the plants don't cool at night later in the season with a thicker rate. "At a thinner rate, the plants can release more heat through the canopy. The upright leaves you get with this hybrid helps with that. That was important this year. We had a lot of nights where the temperatures never got down to 70 degrees."

At planting, Kalb made an in-furrow application of 1 gallon humic acid and 2 gallon Agri-Sweet from Monty's Plant Food Company. FMC's Capture insecticide and zinc also went into the furrow. She laid a micronutrient package 2 inches deep and 2 inches

to both sides of the seed trench. "It's something we started doing in last year's contest as a replacement for a more traditional starter fertilizer," Kalb explains. "We've done a very good job of building soil fertility levels over the years. We wanted to see if we might be able to gain a little more early on by focusing on biological activity in the soil."

In her nutrient management program, Kalb took weekly tissue samples starting at 300 GDUs (around V3) and continuing through black layer. Based on sampling results, she used Y-drops on a Miller sprayer to apply varying amounts of nitrogen and other nutrients at critical growth stages. She mixed humic acid with the liquid fertilizers for applications at V6 and V10 with the goal of promoting biological activity in the soil.

"We've been learning more and more about the relationship between soil microbes and yield," Kalb says. "You can put all kinds of nutrients out there for the plants. But if you don't have bugs working to convert those nutrients into food, you aren't really gaining anything."

### Bushel Builders

- Don't overdo on seeding rates.
- Use tissue samples to determine nutrient needs and application timing.
- Promote biological activity in the soil.

## Second Place

### SHAWN KALB

Dubois, IN

350.0314 bu./acre  
DEKALB DKC70-27RIB  
Harvest Population: 37,996  
Harvester: CaseIH 8250

#### SUPERVISORS

**Nick Stevens:** Ag Loan Officer,  
Old National Bank

**Tim Robinette:** Ag Loan Officer,  
First Financial Bank

Shawn Kalb is a familiar face in the contest winners' circle. Since 2017, she's won four first place awards and two second place honors. This year, her contest entry yield was 350 bu./acre and a second place finish.

Ahead of planting, Kalb worked with other family members to get their CaseIH 2150 planter in tip-top shape. "We want everything working just right once we get to the field," she says. "Our goal is getting every seed placed just so. If you can get a uniform stand, you'll be well on your way to a high yield."

With "very favorable" conditions at planting, Kalb got her contest entry into the ground in early May. "We want the soil temperature to be at least 55 degrees on average," she says. "If you try to push it and plant before the soil warms, you run the risk of poor germination. That can set you behind for the rest of the season."

Kalb selected DEKALB DKC70-27RIB, planted at 36,000 seeds/acre. "It scores high on plant health," she says. "It gives you a heavy kernel and heavy test weights. And it gives you the long grain fill you need for chasing high yields."

"Wonderful" is the word Kalb uses to describe her experiences in the national yield contest over the years. "We like competition and seeing how we measure up compared to other top corn growers," she says. "But there's a social part of it too. We've made friends with so many great people from all over the country."

## Third Place

### RHYLAN KALB

Dubois, IN

350.0301 bu./acre  
DEKALB DKC65-99RIB  
Harvest Population: 36,200 (planted at 37,000)  
Harvester: CaseIH 8230

#### SUPERVISORS

**Nick Stevens:** Ag Loan Officer,  
Old National Bank

**Kenny Eck:** Extension Educator,  
Purdue University Extension

Call it a contest three-peat for Rhylan Kalb. She earned second place honors in 2020 and again in 2021. This year, she captures the third place award with a yield topping 350 bu./acre.

Kalb believes spending time with the corn is one of the keys to crafting a top-flight contest yield. Throughout the season, she walked her contest field at least once a week to check on developments with crop growth, plant stress, insect pressure, disease and more. "Things change a lot from week to week," she says. "You want to stay on top of things so you can catch any little problems before they become big problems."

When it came to selecting a hybrid for her entry, Kalb worked closely with local DeKalb representative Matt Parmer. "There are so many great varieties out there and more are coming along all the time," she says. "It's really kind of mind boggling. Matt helped me sort through the varieties that looked like they would work well with our soils, management and weather. He also had some great tips for me on what would work for planting populations."

Kalb planted DEKALB DKC65-99RIB at a seeding rate of 37,000 seeds/acre. "It emerges quickly, and it has good southern rust tolerance," she notes. "Also, we've been having more problems every year with earworm in our later planted corn. This variety has DeKalb's trecepta technology which offers some control for that."

|   | Yield    | Hybrid Brand/ No.              | Traits       | Seed Treatment            | Harvest Population | Insecticide | Herbicide  | Fungicide     | N/P/K       | Planter/ Harvester   |
|---|----------|--------------------------------|--------------|---------------------------|--------------------|-------------|--|---------------|-------------|--|
| <b>D: NO-TILL NON-IRRIGATED*</b>        |          |                                |              |                           |                    |             |  |               |             |  |
| <b>IOWA</b>                             |          |                                |              |                           |                    |             |  |               |             |  |
| <b>Taber Andersen</b><br>Marne, IA      | 310.0835 | Beck's Hybrids<br>6374V2P      | V2P          | Escalate                  | 36000              | -           | -  | -             | 165/100/100 | Kinze 4705<br>John Deere S780                                  |
| <b>Kirk Hartman</b><br>Cumberland, IA   | 299.2449 | DEKALB<br>DKC62-89RIB          | TRE          | -                         | 32400              | -           | -  | -             | 220/50/60   | Kinze 3600<br>Case IH 7230                                     |
| <b>Galt Porter</b><br>Mercer, MO        | 295.1006 | Pioneer<br>P1587Q™             | Q,LL,RR2     | -                         | 34000              | -           | -  | -             | 270/80/100  | John Deere 1775 NT<br>John Deere S770                          |
| <b>ILLINOIS</b>                         |          |                                |              |                           |                    |             |  |               |             |  |
| <b>Lucas Lilja</b><br>Pecatonica, IL    | 312.1397 | Pioneer<br>P1278Q™             | Q,LL,RR2     | -                         | 35500              | -           | -  | -             | 220/0/0     | John Deere 1775 NT<br>John Deere 9770 STS                      |
| <b>Kolby Haars</b><br>Geneseo, IL       | 308.6991 | DEKALB<br>DKC64-35RIB          | VT2PRIB      | Acceleron+<br>Poncho 250  | 36000              | -           | -  | -             | 225/150/100 | John Deere 1775NT<br>John Deere S770                           |
| <b>Jack Shissler</b><br>Canton, IL      | 302.2672 | Golden Harvest<br>G15J91-V     | Viptera 3220 | -                         | 36000              | -           | -  | -             | 0/0/0       | John Deere 1790 CCS<br>John Deere S680                         |
| <b>INDIANA</b>                          |          |                                |              |                           |                    |             |  |               |             |  |
| <b>Nikia Kalb</b><br>Dubois, IN         | 355.7383 | DEKALB<br>DKC67-94RIB          | TRE          | Acceleron+<br>Poncho 250  | 38000              | -           | -  | -             | 0/0/0       | Case IH 1250 Front-Fold<br>Early Riser, Case IH 8230           |
| <b>Shawn Kalb</b><br>Dubois, IN         | 350.0314 | DEKALB<br>DKC70-27RIB          | VT2PRIB      | Acceleron+<br>Poncho 250  | 37996              | -           | -  | -             | 0/0/0       | Case IH 1250 Front-Fold<br>Early Riser, Case IH 8230           |
| <b>Cody Hendershot</b><br>Vincennes, IN | 349.2134 | Pioneer<br>P1222AM™            | AM,LL,RR2    | Amplify D+<br>Poncho 1250 | 40000              | Sniper      | 2,4-D LV4, Callisto<br>Atrazine 4L<br>Corvus, Makaze | -             | 200/75/100  | John Deere 1795<br>John Deere S780                             |
| <b>MINNESOTA</b>                        |          |                                |              |                           |                    |             |  |               |             |  |
| <b>Chris Sobeck</b><br>Winona, MN       | 293.8061 | DEKALB<br>DKC60-80RIB          | VT2P         | Acceleron                 | 38000              | -           | AAtrex, Resicore<br>Glyphosate                       | -             | 200/48/150  | Kinze 3600<br>Case IH 5088                                     |
| <b>Dan Fohrman</b><br>Dover, MN         | 280.5187 | DEKALB<br>DKC51-25RIB          | VT2RIB       | -                         | 35500              | -           | Buccaneer Plus<br>Resicore, Surpass                  | -             | 200/90/80   | John Deere 7200 MaxEmerge<br>2 Vacuum, Case IH 2588            |
| <b>Suzanne LeVan</b><br>Elgin, MN       | 263.8123 | Gold Country<br>Seed, 104-11   | Conventional | Poncho 250                | 28000              | -           | Atrazine 90 DF<br>Dicamba, Laudis<br>SureStart       | Headline AMP  | 106/78/130  | Kinze 3600<br>John Deere S660                                  |
| <b>Jason LeVan</b><br>Elgin, MN         | 272.9500 | Gold Country Seed<br>106-96RSS | SSRIB        | Acceleron                 | 34000              | -           | -  | -             | 130/0/179   | Kinze 3600<br>John Deere S660                                  |
| <b>MISSOURI</b>                         |          |                                |              |                           |                    |             |  |               |             |  |
| <b>Jonathan Borges</b><br>Marshall, MO  | 302.4921 | AgriGold<br>A645-16VT2RIB      | VT2RIB       | -                         | 33500              | -           | -  | -             | 270/0/0     | John Deere 1795<br>Case IH 5140                                |
| <b>Brandon Salladay</b><br>Columbia, MO | 292.8810 | DEKALB<br>DKC65-95RIB          | VT2PRIB      | Acceleron                 | 32000              | -           | -  | -             | 180/80/80   | Kinze 3600<br>Case IH 8010                                     |
| <b>Justin Borges</b><br>Marshall, MO    | 292.8236 | AgriGold<br>A647-42TRCRIB      | TRCRIB       | Yes                       | 33500              | -           | -  | -             | 275/0/0     | John Deere 1795<br>Case IH 5140                                |
| <b>OHIO</b>                             |          |                                |              |                           |                    |             |  |               |             |  |
| <b>Jim Dauch</b><br>Bellevue, OH        | 300.9277 | Pioneer<br>P1197AM™            | AM,LL,RR2    | LumiGEN™<br>2020 Premium  | 33500              | -           | FulTime  | -             | 220/50/100  | Kinze 3600<br>Case IH Axial Flow 9250                          |
| <b>Carol Miller</b><br>Bucyrus, OH      | 295.4223 | Pioneer<br>P0995AM™            | AM,LL,RR2    | LumiGEN™<br>2020 Premium  | 34000              | -           | Volley   | Aproach Prima | 185/60/120  | Kinze 3800<br>Case IH 8230                                     |
| <b>Steve Snider</b><br>Piqua, OH        | 291.3432 | DEKALB<br>DKC63-57RIB          | VT2PRIB      | Acceleron+<br>Poncho 250  | 34500              | Perm-Up     | Callisto<br>Harness Xtra 5.6L<br>Roundup PowerMax    | -             | 0/0/0       | Kinze 4905<br>New Holland CR7.90                               |
| <b>WISCONSIN</b>                        |          |                                |              |                           |                    |             |  |               |             |  |
| <b>Tim Appell</b><br>Shullsburg, WI     | 318.5752 | DEKALB<br>DKC64-35RIB          | VT2PRIB      | Poncho 250                | 38000              | -           | -  | -             | 240/80/150  | Case IH 2150 Early Riser Front Fold<br>Case IH Axial Flow 8240 |
| <b>Caleb Wolters</b><br>Cuba City, WI   | 313.8555 | Pioneer<br>P0953AM™            | AM,LL,RR2    | LumiGEN™<br>2020 Premium  | 33000              | -           | -  | Veltyma       | 225/100/150 | John Deere 1775NT<br>John Deere S770                           |
| <b>Steve Van Bogaert</b><br>Belmont, WI | 312.1674 | DEKALB<br>DKC64-35RIB          | VT2PRIB      | Poncho 250                | 38500              | -           | -  | -             | 240/90/150  | Kinze 4900<br>John Deere S670                                  |

## First Place



### ANDREA RIGDON

Jarrettsville, MD

324.9897 bu./acre  
DEKALB DKC63-91  
Harvest Population: 38,000  
Harvester: John Deere 9670 STS

#### SUPERVISOR

**Roy Norris:** Retired Ag Instructor,  
Edgewood High School

The Rigdon family has been entrenched in the NCGA National Corn Yield Contest for more than 25 years, all to help them boost yields and profits. Year 2022 was no exception with Andrea Rigdon achieving a first place finish with nearly 325 bu./acre. This was their fifth year in the strip-till category.

For the past 10 years, DeKalb has been their seed of choice, mostly because they run hybrid trials for the company. “Those trials and the contest plots have been a big help for us in deciding what hybrids to select for the NCGA contest the following year,” she explains

Rigdon says they’ve used cover crops for 15 years to improve soil health and provide nutrients for the crop. She estimates that as much as 5 to 10 percent of fertilizer costs are saved by using different cover crop mixes of radish, oats, winter peas, wheat and rye.

Cattle from their 125-head Angus herd graze the crop until about 1½ months before planting, then they’re moved off to allow the cover to regenerate before burndown, about two weeks prior to planting.

“March 1 is the earliest we can spread fertilizer because of Chesapeake Bay watershed regulations, but trying to get it all done at that time can be challenging,” Rigdon says. “Often, being able to apply sooner, even during winter with good weather, would be helpful.”

Rigdon’s crop nutrient program begins with a dry fertilizer application of 60-140-270 in the spring, then

a burndown of 30 percent UAN and Syngenta Lexar herbicide and Gramoxone one week before planting. That’s followed with a starter fertilizer at planting and then three sidedress applications with 50 units each of nitrogen at V4, V10 and V12.

Tar spot reared its head for the first time this year and other disease pressure picked up, too. At planting, she applied FMC Xyway LFR fungicide and then came back at V5, V10 and R1 with Syngenta Miravis Neo at 13.7 ounces per acre. “That seemed to work well compared to our neighbors who still had tar spot pressure. Those fungicides helped us keep the plant healthy and green,” she says.

In addition, Loveland Products Sniper FLR was applied in-furrow with the starter fertilizer to fight off mostly grubs and rootworms, and that worked well. At R1 they applied more insecticide—and fungicide—by helicopter.

“We had timely rains all summer with a streak of dry weather in late July,” Rigdon says. “Harvest conditions were nearly ideal, too, except for a few days of rain that delayed us.”

### Bushel Builders

- Get soil pH right.
- Wait for perfect planting conditions.
- Keep plants healthy and green.

## Second Place

### JOHN RIGDON

Jarrettsville, MD

324.7322 bu./acre  
DEKALB DKC59-82RIB  
Harvest Population: 38,000  
Harvester: John Deere 9670 STS

#### SUPERVISOR

**Roy Norris:** Retired Ag  
Instructor, Edgewood High  
School

Paying attention, even to the littlest things, helps squeeze every bushel out of an acre for John Rigdon who earned second place in this category with nearly 325 bu./acre.

Near-ideal planting conditions started at the beginning of May and good, timely rains led to some of his best stands ever.

Rigdon uses a John Deere 1770 16-row center-fill planter that he goes through meticulously every year. “I check the meters, bearings, bushings and replace the double-disk openers annually,” he says.

“Some farmers let their openers go longer, but we shim them to make them more accurate and provide a good seed trench. I change the coulters as needed throughout planting, but they’re all new by the end.”

Rigdon also believes in planting deeper, 2¼ to 2½ inches. He slows down on the contest plots to 2 mph to make sure there’s good seed-to-soil contact. “I want to get that singulation at 100 percent, too, because it gives me more uniformity and better emergence.

“I also wait for conditions to be ideal before I start planting, and wait for soil temps to hit 58 to 60 degrees,” he adds. “I’ll even delay an extra day or two to let the soil dry out to reduce compaction.”

Rigdon relies on agronomists from DeKalb and his local co-op and often takes them along when he’s scouting fields—about every 10 days. “Sometimes they notice something I don’t.”

Usually, he worries about storms during harvest that can lead to yield loss and soil compaction. But this year his John Deere 9670 got to run in perfect harvest conditions.

## Third Place

### CHRIS MILTENBERGER

Keyser, WV

323.9324 bu./acre  
DEKALB DKC70-27RIB  
Harvest Population: 35,000  
Harvester: John Deere S760

#### SUPERVISOR

**Dave Workman:**  
Associate Professor,  
West Virginia Extension

His third time on the national stage since 2007, Chris Miltenberger came in with a nearly 324 bu./acre yield to land third place in this category. “I learn a lot from this contest that often we can incorporate large scale on our farm,” he says.

Miltenberger plants with a John Deere 1770NT 16-row finger-pickup planter, all GPS controlled. “We try to do our absolute best at planting because that’s not the time to cut corners,” he says. “We calibrate meters every year and install new chains. This year we also added plastic-spoked closing wheels to get better seed-to-soil contact.”

Poultry litter remains his primary fertilizer, sourcing it from local operations. “We apply 3 tons per acre and like that it’s slow-release. Still, we sometimes come back with 50 pounds of UAN during the growing season.” He’s also using pop-up fertilizer with zinc, sulfur, boron and manganese. Tissue samples are taken three times during the growing season at V5, V10 and VT.

Besides his herbicide regimen, Miltenberger applies 5 ounces of BASF Headline Amp to help plants stay healthy and will continue with an earlier application in 2023. This year, he’ll also add more granular fertilizer over the top at V5 and V7 and continue using biologicals to stimulate soil microbes.

His best advice after years of entering yield contests? “Get out of the pickup and scout your crops; you’re bound to learn something.”



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

If you don't plan your fungicide application, plan on missing out at harvest. Disease is present weeks before it can be seen with the naked eye, which means the wait-and-see spray approach is waiting too long. But Veltyma® fungicide's proven Plant Health benefits and revolutionary application flexibility improve yield potential even in the absence of disease.

**Veltyma**<sup>®</sup>  
Fungicide

**BASF**  
We create chemistry

| 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

|                                      |          |                         |        |   |       |   |   |   |             |  |
|--------------------------------------|----------|-------------------------|--------|---|-------|---|---|---|-------------|--|
| <b>Doug Lipscomb</b><br>Foley, AL    | 247.2187 | Dyna-Gro<br>D58VC65     | VT2P   | – | 31500 | – | – | – | 270/120/200 | John Deere 1700<br>MaxEmergePlus Vacuum<br>John Deere 9770 STS |
| <b>Mike Henderson</b><br>Madison, AL | 216.2515 | AgriGold<br>A6659VT2PRO | VT2PRO | – | 26600 | – | – | – | 180/0/0     | John Deere 1775 NT<br>John Deere S690                          |
| <b>Carter Lipscomb</b><br>Foley, AL  | 205.1566 | Dyna-Gro<br>D58VC65     | VT2P   | – | 31500 | – | – | – | 270/120/200 | John Deere 1700<br>MaxEmergePlus Vacuum<br>John Deere 9770 STS |

### COLORADO

|  |         |                        |              |           |       |   |   |   |         |  |
|--|---------|------------------------|--------------|-----------|-------|---|---|---|---------|--|
| <b>Travis Daves</b><br>Pleasant View, CO | 72.9776 | Channel<br>195-85 Conv | Conventional | Acceleron | 10000 | – | – | – | 10/10/0 | John Deere 1710 Vertical-Fold<br>John Deere S680 |
|--|---------|------------------------|--------------|-----------|-------|---|---|---|---------|--|

### CONNECTICUT

|                                   |          |                         |       |   |       |   |   |   |             |                               |
|-----------------------------------|----------|-------------------------|-------|---|-------|---|---|---|-------------|-------------------------------|
| <b>Jacob Lipton</b><br>Somers, CT | 264.0429 | Channel<br>192-10STXRIB | SSRIB | – | 33400 | – | – | – | 350/150/245 | Kinze 2500<br>John Deere S670 |
|-----------------------------------|----------|-------------------------|-------|---|-------|---|---|---|-------------|-------------------------------|

### FLORIDA

|                                       |          |                      |                          |   |       |   |   |   |            |                                  |
|---------------------------------------|----------|----------------------|--------------------------|---|-------|---|---|---|------------|----------------------------------|
| <b>Samantha Jones</b><br>Wellborn, FL | 235.0460 | Pioneer<br>P1847VYHR | AVBL,YGCB,<br>HX1,LL,RR2 | – | 27000 | – | Atrazine 4L<br>Glyphomax Plus<br>Prowl 3.3 EC | – | 225/60/300 | Monosem Twin Row<br>Case IH 5140 |
|---------------------------------------|----------|----------------------|--------------------------|---|-------|---|---|---|------------|----------------------------------|

### GEORGIA

|                                     |          |                         |        |            |       |             |  |          |            |   |
|-------------------------------------|----------|-------------------------|--------|------------|-------|-------------|--|----------|------------|---|
| <b>James Courson</b><br>Baxley, GA  | 202.9518 | Dyna-Gro<br>D58VC65     | VT2P   | –          | 24000 | –           | –  | –        | 145/40/125 | John Deere 1720 MaxEmerge XP<br>John Deere 9760 STS |
| <b>Aubrey Courson</b><br>Baxley, GA | 196.7181 | Dyna-Gro<br>D58VC65     | VT2P   | –          | 23750 | –           | –  | –        | 145/40/125 | John Deere 1720 MaxEmerge XP<br>John Deere 9760 STS |
| <b>Logan Poppell</b><br>Jesup, GA   | 155.1139 | AgriGold<br>A6659VT2PRO | VT2PRO | Poncho 500 | 24000 | Mustang MAX | Atrazine, Paraquat<br>Dual II Magnum<br>Roundup PowerMax | Trivapro | 154/0/0    | John Deere 1700 Twin Row<br>John Deere 9770 STS     |

### KANSAS

|  |          |                           |        |            |       |   |   |   |            |   |
|--|----------|---------------------------|--------|------------|-------|---|---|---|------------|---|
| <b>Jeff Koelzer</b><br>Onaga, KS         | 308.9600 | DEKALB<br>DKC65-84RIB     | SS     | Poncho 500 | 36000 | – | – | – | 346/80/60  | Case IH 2150 Early Riser<br>Front Fold<br>Case IH Axial Flow 8250 |
| <b>Joe Elias</b><br>Atchison, KS         | 289.7753 | AgriGold<br>A643-52VT2RIB | VT2RIB | –          | 38000 | – | – | – | 0/0/0      | John Deere 1790 CCS<br>Case IH 7240                               |
| <b>Douglas Armstrong</b><br>Atchison, KS | 275.9653 | AgriGold<br>A645-16VT2RIB | VT2RIB | –          | 34000 | – | – | – | 250/100/80 | John Deere 1770NT<br>John Deere 9670 STS                          |

### KENTUCKY

|   |          |                            |         |                          |       |   |   |   |             |   |
|---|----------|----------------------------|---------|--------------------------|-------|---|---|---|-------------|---|
| <b>Kevin Hayden</b><br>Mayfield, KY           | 288.3571 | DEKALB<br>DKC65-95RIB      | VT2PRIB | Acceleron+<br>Poncho 250 | 39000 | – | – | – | 270/270/300 | John Deere 1770 NT CCS<br>John Deere S790 |
| <b>Scott Goetz</b><br>Philpot, KY             | 269.6566 | AgriGold<br>A645-15 VT2RIB | VT2RIB  | –                        | 36000 | – | – | – | 220/0/0     | John Deere 1770NT<br>Case IH 8250         |
| <b>Stephen Hendrickson</b><br>Morganfield, KY | 266.5214 | AgriGold<br>A645-16VT2RIB  | VT2RIB  | –                        | 34000 | – | – | – | 285/95/150  | John Deere 1770 NT CCS<br>Case IH 8240    |

### LOUISIANA

|  |          |                      |                      |            |       |   |                  |   |           |                                      |
|--|----------|----------------------|----------------------|------------|-------|---|------------------|---|-----------|--------------------------------------|
| <b>Nathan Lee</b><br>Tallulah, LA      | 239.5052 | Pioneer<br>P2042VYHR | AVBL,YGCB,<br>HX1,LL | –          | 34000 | – | –                | – | 270/30/60 | John Deere 1775NT<br>John Deere S780 |
| <b>Gloria Gaspard</b><br>Batchelor, LA | 238.7872 | DEKALB<br>DKC65-99   | TRE                  | Poncho 500 | 36000 | – | Roundup PowerMax | – | 220/30/60 | John Deere 1730<br>John Deere S680   |
| <b>Marty Gaspard</b><br>Lettsworth, LA | 230.6469 | DEKALB<br>DKC65-99   | TRE                  | Poncho 500 | 35500 | – | Roundup PowerMax | – | 220/30/60 | John Deere 1730<br>John Deere S680   |

|  | 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

| MASSACHUSETTS                             |          |                          |              |                                     |       |                         |   |               |            |  |
|---|----------|--------------------------|--------------|-------------------------------------|-------|-------------------------|---|---------------|------------|--|
| <b>Wanda Llewelyn</b><br>Northfield, MA   | 297.2366 | Channel<br>199-11STXRIB  | SSRIB        | Acceleron+<br>Poncho 250            | 45000 | –                       | Capreno   | –             | 220/37/230 | John Deere 7200 MaxEmerge<br>2 Vacuum<br>John Deere 9500 |
| <b>Chris Parsons</b><br>Hadley, MA        | 226.4956 | Pioneer<br>P9489Q™       | Q,LL,RR2     | PPST 250                            | 32000 | Sniper                  | Atrazine 90 WDG<br>Keystone LA<br>Makaze, Realm Q           | –             | 200/0/0    | Kinze 2500<br>John Deere 9550                            |
| <b>Gene Kosinski</b><br>Westfield, MA     | 226.3270 | Channel<br>193-91STXRIB  | SSRib        | Acceleron+<br>Poncho 250            | 35400 | –                       | Capreno<br>Roundup PowerMax                                 | –             | 240/70/150 | Kinze 2500<br>John Deere S770                            |
| MARYLAND                                  |          |                          |              |                                     |       |                         |   |               |            |  |
| <b>Andrea Rigdon</b><br>Jarrettsville, MD | 324.9897 | DEKALB<br>DKC63-91       | VT2P         | Acceleron+<br>Poncho 250            | 37997 | –                       | –   | –             | 0/0/0      | John Deere 1770NT CCS ProXP<br>John Deere 9670 STS       |
| <b>David Hill</b><br>Kennedyville, MD     | 270.8847 | Pioneer<br>P1170AM™      | AM,LL,RR2    | Cruiser Extreme 250+<br>Poncho 1250 | 32000 | Ethos XB<br>Mustang MAX | 2,4-D LV<br>AAAtrex 4L<br>Abundit Edge<br>Cinch ATZ, Status | Aproach Prima | 180/52/60  | Kinze 3600<br>John Deere 9660 STS                        |
| <b>Michael Harrison</b><br>Woodbine, MD   | 270.6270 | DEKALB<br>DKC63-91RIB    | VT2PRIB      | Acceleron                           | 35000 | –                       | –   | –             | 260/80/150 | John Deere 1770NT<br>John Deere 9500 SideHill            |
| MAINE                                     |          |                          |              |                                     |       |                         |   |               |            |  |
| <b>James Hilton</b><br>Norridgewock, ME   | 211.7242 | Channel<br>185-30STXRIB  | STX RIB      | –                                   | 30000 | –                       | –   | –             | 150/40/120 | Case IH 1200 Pivot<br>Claas Lexion 450                   |
| MICHIGAN                                  |          |                          |              |                                     |       |                         |   |               |            |  |
| <b>Eric Jager</b><br>Shelbyville, MI      | 290.0958 | AgriGold<br>A636-16      | –            | Amplify L+<br>Poncho 250            | 35400 | –                       | Acuron  | –             | 300/50/100 | Kinze 3600<br>John Deere S690                            |
| <b>James Isley</b><br>Palmyra, MI         | 274.7640 | DEKALB<br>DKC57-23RIB    | Trecepta Rib | Amplify D+<br>Poncho 250            | 32000 | –                       | 2,4-D+Roundup<br>Atrazine, Capreno<br>Roundup               | –             | 215/60/100 | Kinze 3120<br>Case IH 8240                               |
| <b>Robert A Schlicker</b><br>Bay City, MI | 266.4201 | DEKALB<br>DKC50-84RIB    | VT2PRIB      | –                                   | 33000 | –                       | –   | –             | 0/0/0      | White 8342<br>John Deere 9770 STS                        |
| MISSISSIPPI                               |          |                          |              |                                     |       |                         |   |               |            |  |
| <b>Anna Hurt</b><br>Senatobia, MS         | 227.1901 | AgriGold<br>A6659VT2PRO  | VT2PRO       | Poncho 250                          | 37500 | –                       | –   | –             | 246/0/0    | Monosem Twin Row<br>John Deere S770                      |
| <b>Jaycelyn Brooks</b><br>Coldwater, MS   | 198.2352 | AgriGold<br>A6544 VT2PRO | VT2PRO       | Poncho 500                          | 39000 | –                       | –   | –             | 210/50/120 | Great Plains YP-1225<br>John Deere S670                  |
| NORTH CAROLINA                            |          |                          |              |                                     |       |                         |   |               |            |  |
| <b>Delbert Armstrong</b><br>Belhaven, NC  | 273.5452 | DEKALB<br>DKC68-95       | SS           | Acceleron                           | 37000 | –                       | –   | –             | 183/23/163 | John Deere 1700<br>John Deere S790                       |
| <b>Chris Smith</b><br>Pantego, NC         | 273.2261 | DEKALB<br>DKC68-95       | SS           | Acceleron                           | 37000 | –                       | –   | –             | 183/23/163 | John Deere 1700<br>John Deere S790                       |
| <b>Joseph Oliver</b><br>Pantego, NC       | 249.5099 | AgriGold<br>A643-52VT2   | VT2          | Poncho 1250                         | 34000 | –                       | –   | –             | 160/0/80   | John Deere 1775 NT<br>John Deere S680                    |
| NORTH DAKOTA                              |          |                          |              |                                     |       |                         |   |               |            |  |
| <b>Steve Huber</b><br>Berlin, ND          | 299.5593 | DEKALB<br>DKC44-98RIB    | VT2P         | –                                   | 34000 | –                       | –   | –             | 140/70/30  | John Deere 1770 NT CCS<br>John Deere S780                |
| <b>Betty Huber</b><br>Berlin, ND          | 298.8983 | DEKALB<br>DKC44-98RIB    | VT2P         | –                                   | 34000 | –                       | –   | –             | 140/70/30  | John Deere 1770 NT CCS<br>John Deere S780                |
| <b>Alexis Nogosek</b><br>Berlin, ND       | 298.0232 | DEKALB<br>DKC44-98RIB    | VT2P         | –                                   | 34000 | –                       | –   | –             | 140/70/30  | John Deere 1770 NT CCS<br>John Deere S780                |

| 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**

|                                       |          |                             |           |            |       |   |  |            |             |   |
|---------------------------------------|----------|-----------------------------|-----------|------------|-------|---|--|------------|-------------|---|
| <b>Galen Grimm</b><br>Hiawatha, KS    | 309.3028 | Pioneer<br>P1185AM™         | AM,LL,RR2 | —          | 32000 | — | —  | —          | 0/0/0       | John Deere 1790<br>John Deere S780                                |
| <b>Bradley Zierott</b><br>Murdock, NE | 296.1018 | Wyffels Hybrids<br>W7878RIB | SS        | Poncho 500 | 36500 | — | Atrazine 4L<br>Callisto, Charger Max<br>Roundup PowerMax | TeperaPlus | 250/125/100 | Case IH 2150 Early Riser<br>Front Fold<br>Case IH 7140            |
| <b>James Frederick</b><br>Rulo, NE    | 289.1631 | DEKALB<br>DKC70-27RIB       | VT2PRIB   | —          | 33500 | — | —  | —          | 150/30/30   | Harvest International Ultra<br>Plant Series 40<br>John Deere S770 |

**NEW HAMPSHIRE**

|   |          |                         |         |                          |       |   |         |   |            |  |
|---|----------|-------------------------|---------|--------------------------|-------|---|---------|---|------------|--|
| <b>William Llewelyn</b><br>Northfield, MA | 260.9281 | Channel<br>199-60STXRIB | STX RIB | Acceleron+<br>Poncho 250 | 40000 | — | Capreno | — | 220/37/230 | John Deere 7200 MaxEmerge<br>2 Vacuum<br>John Deere 9500 |
|---|----------|-------------------------|---------|--------------------------|-------|---|---------|---|------------|--|

**NEW JERSEY**

|  |          |                       |           |   |       |   |        |   |             |   |
|--|----------|-----------------------|-----------|---|-------|---|--------|---|-------------|---|
| <b>Jeffrey Barlieb</b><br>Stewartsville, NJ  | 296.6647 | Pioneer<br>P1222AM™   | AM,LL,RR2 | LumiGEN™<br>2020 High Rate;<br>Poncho 1250+Votivo | 36000 | — | Lumax  | — | 300/50/50   | John Deere 1780 MaxEmerge<br>Plus Vacuum<br>John Deere S760 |
| <b>Scott Clucas</b><br>Califon, NJ           | 262.6508 | DEKALB<br>DKC64-65RIB | VT2P      | —   | 35000 | — | —      | — | 0/0/0       | Case IH 2150 Early Riser Front Fold<br>Case IH 71           |
| <b>Scott Truskowski</b><br>Stewartsville, NJ | 246.8562 | DEKALB<br>DKC64-35RIB | VT2PRIB   | Acceleron   | 38000 | — | Makaze | — | 225/150/100 | John Deere 1770NT<br>Claas Lexion 570                       |

**NEW YORK**

|                                    |          |                       |         |   |       |   |                             |   |             |                                       |
|------------------------------------|----------|-----------------------|---------|---|-------|---|-----------------------------|---|-------------|---------------------------------------|
| <b>Ryan Swede</b><br>Pavilion, NY  | 282.1798 | DEKALB<br>DKC63-91RIB | VT2PRIB | — | 35000 | — | Roundup WeatherMax<br>Yukon | — | 220/110/150 | John Deere 1775 NT<br>John Deere S680 |
| <b>Gary Swede</b><br>Pavilion, NY  | 259.5303 | DEKALB<br>DKC50-87RIB | SS      | — | 34500 | — | Roundup WeatherMax<br>Yukon | — | 215/104/145 | John Deere 1775 NT<br>John Deere S680 |
| <b>Jason Swede</b><br>Pavilion, NY | 257.1158 | DEKALB<br>DKC59-82RIB | VT2PRIB | — | 34500 | — | Roundup WeatherMax<br>Yukon | — | 215/104/145 | John Deere 1775 NT<br>John Deere S680 |

**OKLAHOMA**

|  |          |                      |                          |                          |       |   |                         |          |           |   |
|--|----------|----------------------|--------------------------|--------------------------|-------|---|-------------------------|----------|-----------|---|
| <b>Steve Sloan</b><br>Gore, OK           | 202.4377 | Pioneer<br>P1718VYHR | AVBL,YGCB,<br>HX1,LL,RR2 | Cruiser+<br>Poncho 250   | 28000 | — | Atrazine+Roundup        | Trivapro | 200/0/0   | John Deere 1770 NT CCS<br>John Deere S780 |
| <b>Dakota Arthur</b><br>Pauls Valley, OK | 200.4964 | Pioneer<br>P2089VYHR | AVBL,YGCB,<br>HX1,LL,RR2 | LumiGEN™<br>2020 Premium | 24000 | — | FulTime<br>Glyphosate 4 | —        | 120/40/40 | John Deere 1770NT<br>John Deere 9770 STS  |

**PENNSYLVANIA**

|   |          |                       |           |            |       |          |                             |   |            |   |
|---|----------|-----------------------|-----------|------------|-------|----------|-----------------------------|---|------------|---|
| <b>Rhoda Mast</b><br>Morgantown, PA     | 295.5308 | Pioneer<br>P1077AM™   | AM,LL,RR2 | Poncho 250 | 35000 | Lambda T | Balance Flexx<br>Trizmet    | — | 280/70/237 | John Deere 1750 MaxEmerge<br>Plus Vacuum<br>John Deere 9870 STS |
| <b>Jeffrey Zimmerman</b><br>Lebanon, PA | 286.0891 | Pioneer<br>P1380Q™    | Q,LL,RR2  | —          | 35000 | —        | —                           | — | 0/0/0      | John Deere 1770 Front-Fold Flex<br>Case IH 5130                 |
| <b>Steve Walton</b><br>Cochranville, PA | 269.6481 | DEKALB<br>DKC65-95RIB | VT2PRIB   | Poncho 500 | 35000 | —        | Helmquat 3SL<br>Keystone LA | — | 0/0/0      | John Deere 1770NT<br>John Deere S670                            |

**SOUTH CAROLINA**

|   |          |                      |                          |                          |       |              |                              |   |         |                                 |
|---|----------|----------------------|--------------------------|--------------------------|-------|--------------|------------------------------|---|---------|---------------------------------|
| <b>Thomas Jameson</b><br>Orangeburg, SC | 177.0365 | Pioneer<br>P1847VYHR | AVBL,YGCB,<br>HX1,LL,RR2 | Amplify L<br>+Poncho 250 | 25600 | Counter 20 G | Atrazine<br>Roundup PowerMax | — | 140/0/0 | John Deere 1705<br>Case IH 7140 |
|---|----------|----------------------|--------------------------|--------------------------|-------|--------------|------------------------------|---|---------|---------------------------------|

**SOUTH DAKOTA**

|                                       |          |                          |       |         |       |        |   |        |             |                                    |
|---------------------------------------|----------|--------------------------|-------|---------|-------|--------|---|--------|-------------|------------------------------------|
| <b>Rory McKinney</b><br>Larchwood, IA | 274.3225 | Brevant Seeds<br>B06Y18Q | QROME | Lumivia | 39000 | Tundra | Atrazine<br>Callisto, Verdict<br>Roundup PowerMax | Delaro | 195/100/100 | John Deere DB60<br>John Deere S780 |
|---------------------------------------|----------|--------------------------|-------|---------|-------|--------|---|--------|-------------|------------------------------------|

|  | 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

**Travis Swisher** 263.2150 Croplan Seed 4188VT2PRIB VT2PRIB Amplify D+ Poncho 250 36000 – Atrazine, Class Act NG Harness Xtra Roundup PowerMax – 165/10/7 John Deere 1770 NT CCS John Deere 9770 STS

**Robert Holzwarth** 256.0928 Hefty Seed H4922 VT2 PRO – 32000 – – – 190/100/78 John Deere 24 Row 1595 John Deere 9870 STS

### TENNESSEE

**Whitney Watson** 271.9016 DEKALB DKC67-44RIB VT2PRIB Amplify D+ Poncho 1250 34000 – Halex GT Trivapro 200/100/100 John Deere 1770 John Deere 9760 STS

**Sam Bonner** 267.6999 Dyna-Gro D55VC80 VT2P – 38000 – – – 260/120/100 Kinze 3600 Case IH 7140

**Paul Williamson** 266.6244 Dyna-Gro D55VC80 VT2P Poncho 500 38000 – – – 260/110/100 Kinze 3600 Case IH 7140

### TEXAS

**Justin Hansen** 171.9677 Dyna-Gro D58SS65 SS Poncho 500 26000 – – – 0/0/0 John Deere 1770 NT CCS John Deere S780

### VIRGINIA

**Ryan Stephenson** 284.0356 DEKALB DKC67-44 VT2P Acceleron+ Poncho 250 33000 – – – 235/60/80 John Deere 1720 Stack-Fold MaxEmerge Plus Case IH 8240

**Christopher Warner** 255.8398 Pioneer P1222AM™ AM,LL,RR2 Acceleron+ Poncho 250 35000 – – – 235/60/80 John Deere 1720 Stack-Fold MaxEmerge Plus Case IH 8240

**John Mills** 250.9651 Pioneer P0843AM™ AM,LL,RR2 – 27000 – AAtrex, Gramoxone Keystone, Realm Q Roundup – 250/30/240 Kinze 3660 John Deere S770

### VERMONT

**Jacob Bourdeau** 232.4891 Pioneer P0035Q™ Q,LL,RR2 LumiGEN™ 2020 High Rate; Poncho 1250+Votivo 37000 – – – 194/19/180 Kinze 3665 Case IH Axial Flow 7250

**Jack Kennett** 224.2731 Pioneer P9998Q™ Q,LL,RR2 LumiGEN™ 2020 Premium 34000 – Anthem MAXX Atrazine 90 DF Capreno – 0/0/0 Kinze 3400 Case IH 2588

**Jeffrey Grembowicz** 183.8245 DEKALB DKC44-97RIB SS Acceleron 32280 Capture LFR AAtrex 4L Resicore – 130/20/70 John Deere 1750 Drawn Conservation Case IH 2388

### WEST VIRGINIA

**Chris Miitenberger** 323.9324 DEKALB DKC70-27RIB VT2PRIB Acceleron+ Poncho 250 33000 Capture LFR Lamcap Atrazine 4L Dicamba, Explorer Glyphosate Resolve Q – 125/0/0 John Deere 1770NT John Deere S760

**Lynn Widmyer** 229.9342 Pioneer P1077AM™ AM,LL,RR2 – 28000 – Lexar Princep 4L Roundup PowerMax – 200/80/80 John Deere 1770 Conservation Case IH 1660

## First Place



### KEVIN KALB

Dubois, IN

360.1445 bu./acre  
DEKALB DKC65-99RIB  
Harvest Population: 41,000  
Harvester: CaseIH 8230

#### SUPERVISORS

**Tom Krodel:** Vice President,  
Old National Bank (retired)

**Tim Robinette:** Ag Loan Officer,  
First Financial Bank

Kevin Kalb's national yield contest win streak remains intact. He has now registered a first place finish in one of the classes seven years in a row.

But even with this year's winning yield of 360 bu./acre, Kalb admits to being a little disappointed when he looks back at the growing season. "For the last few years, we've become used to seeing our top end yields improve every year," he says. Last year in this class, he posted 409 bushels. "Being down almost 50 bushels this year was, to say the least, a little disheartening."

The growing season started on a high note. "Conditions at planting were very good," he says. "We planted on May 8. That's the earliest we've planted in the last six years. Right after the crop emerged, we had a 2-inch rain. We thought we were on our way."

But the weather intervened. "Right after that rain, it turned dry. Over the next 44 days, we had a total of 1/2-inch rain," he relates. "And it was hot. The daytime temperatures weren't really that high. But at night, it never got down to 70 degrees. When the corn can't cool down, you lose bushels."

It started raining again, big time, on July 7. "Over the next two months, we had record rainfall," Kalb notes. "But it came too late. We could see from the tissue samples we were taking that the corn wasn't catching up."

To manage this year's entry, Kevin relied on practices that have served him well in the past. Prior to planting, he used a Soil Warrior strip tillage machine to prep the

seed bed. "With the large blades on it, we can go into the ground a little deeper and fracture any hardpan we might have," he says. "We had a nice clean seed trench and good root growth."

Kalb planted DEKALB DKC65-99RIB at 40,000 seeds/acre. "We like it for plant health," he says. "It's a medium-short variety, with kind of a Christmas tree look to it. That helps with releasing more heat at night. It also is southern rust tolerant."

He used Y-drops on a new, Miller spray rig to make applications of **BASF Headline Amp** fungicide at V10, brown silk and three weeks after brown silk. "We don't have tar spot here yet, but it has started showing up in some neighboring fields," Kalb relates. "The early application helped us stave it off. The later applications help us keep plants healthy through harvest, maximizing kernel weights. When you're going for high yields, you can't be thinking that the job is done when the corn tassels. You have to stick with it through the entire season and finish up strong."

### Bushel Builders

- Plant a hybrid that will help plants release heat at night.
- Keep plants healthy later into the season with fungicides.
- Strive for a clean seed bed at planting.

## Second Place

### DALE HADDEN

Jacksonville, IL

335.7916 bu./acre  
PIONEER P1136AM  
Harvest Population: 36,000  
Harvester: John Deere S780

#### SUPERVISORS

**Aaron Dufelmeier:** County Executive Director, University of Illinois Extension

**Ken John:** Horticulture Educator, University of Illinois Extension

Dale Hadden is no stranger to the national corn yield contest awards stage. Dating back to the early 1990s, he and other family members have appeared in the winners' circle numerous times. This year, Hadden is back with a yield of nearly 336 bu./acre, earning a second place award.

Weather conditions were "optimum" when he planted **Pioneer 1136AM** on April 28. "It's a real racehorse," he says. "It's a medium stature corn with a fairly wide leaf which is good for capturing sunlight. And it has the ability to flex and add kernels even at high planting populations."

He planted at 37,000 seeds/acre. "We tend to push populations on our contest ground," says Hadden. "I'm a firm believer that you can't have high yields if the plants aren't out there."

Hadden used soil test results along with previous crop removal calculations to shape the nutrient management strategy for his contest field. Following soybean harvest the previous fall, he applied 25 units nitrogen, 110 units phosphorus and 120 units potash. A few weeks later, he used a **John Deere** strip-till applicator to apply 145 units anhydrous. Right after planting, he applied 8 gallons per acre of ATS and 5 gallons per acre of 28% nitrogen. He side-dressed 15 gallons nitrogen at V6 and V8.

Being in the contest, Hadden says, is a way to gather information about things other growers are doing to improve their yields. "I also like having the ability to measure how I'm doing compared to other corn growers around the country."

## Third Place

### REGINALD KAMPS

Darlington, WI

324.0593 bu./acre  
PIONEER P0421Q  
Harvest Population: 34,300  
Harvester: CaseIH 2377

#### SUPERVISOR

**Tim White:**  
Ag Loan Officer, First National Bank

Cold and wet conditions forced Reginald Kamps to delay planting his contest entry for several weeks. In the end though, being patient paid off. His yield of just over 324 bu./acre was an all-time, personal best and earns a third place award in this class.

"Normally, we like to plant in early- to mid-April," explains Kamps, who makes his first appearance in the national contest winners' circle this year. "But if conditions aren't just right, we don't push it. We were into May before we could get the crop in the ground."

From planting time on, weather was favorable. "It warmed up just like that and stayed that way," he says. "Overall, it was a little on the dry side. But we did get good, timely rains."

To get the entry off to a good start, Kamps used a 2x2-inch band of liquid starter fertilizer at planting. "It's something we started doing four years ago," he says. "It has really made a big difference for us."

Kamps planted **Pioneer P0421Q** at 36,500 seeds/acre. "This is the third year we've planted it," he notes. "We can have problems with rootworm and tar spot here. This variety handles that. It also performs well in average weather years."

Having an opportunity to connect with other top-flight corn growers is one of the things Kamps likes about the yield contest. "You see what other people are doing to improve, and that gives you ideas for things you might want to try on your farm."

|  | Yield    | Hybrid Brand/ No.      | Traits       | Seed Treatment                               | Harvest Population | Insecticide | Herbicide   | Fungicide | N/P/K       | Planter/ Harvester                                  |
|--|----------|------------------------|--------------|--|--------------------|-------------|---|-----------|-------------|---|
| <b>IOWA</b>                                  |          |                        |              |  |                    |             |   |           |             |   |
| <b>Grey Porter</b><br>Mercer, MO             | 321.9956 | Pioneer P1222AM™       | AM,LL,RR2    | –  | 34000              | –           | –   | –         | 270/80/100  | John Deere 1775NT<br>John Deere S770                |
| <b>Shane Vogeler</b><br>Clutier, IA          | 308.3180 | Pioneer P0953AM™       | AM,LL,RR2    | –  | 33500              | –           | –   | –         | 257/80/55   | John Deere 1775NT<br>John Deere S770                |
| <b>Terry Carlson</b><br>Blanchard, IA        | 301.6728 | DEKALB DKC62-89RIB     | TRE          | –  | 33000              | –           | –   | –         | 220/0/0     | John Deere 1770 NT CCS<br>John Deere S780           |
| <b>ILLINOIS</b>                              |          |                        |              |  |                    |             |   |           |             |   |
| <b>Dale Hadden</b><br>Jacksonville, IL       | 335.7916 | Pioneer P1136AM™       | AM,LL,RR2    | LumiGEN™ 2020 Premium                        | 36000              | –           | Atrazine+Roundup Resicore                                   | –         | 200/100/125 | John Deere 1775 NT<br>John Deere S780               |
| <b>Tony Uphoff</b><br>Findlay, IL            | 323.5985 | DEKALB DKC64-64RIB     | SS           | Awaken CoFlow                                | 38000              | –           | –   | Delaro    | 300/300/300 | Kinze 3600<br>John Deere S780                       |
| <b>Doyle Short</b><br>Broughton, IL          | 317.6220 | AgriGold A645-16VT2RIB | VT2RIB       | –  | 36000              | –           | –   | –         | 300/250/250 | Case IH 1250 Front-Fold Early Riser<br>Case IH 8250 |
| <b>INDIANA</b>                               |          |                        |              |  |                    |             |   |           |             |   |
| <b>Kevin Kalb</b><br>Dubois, IN              | 360.1445 | DEKALB DKC65-99RIB     | Trecepta Rib | Acceleron+ Poncho 250                        | 41000              | –           | –   | –         | 0/0/0       | Case IH 1250 Front-Fold Early Riser<br>Case IH 8230 |
| <b>Mark Hardy</b><br>Huntington, IN          | 303.7355 | DEKALB DKC63-57RIB     | VT2PRIB      | Acceleron+ Poncho 250                        | 40000              | –           | Degree Xtra Roundup PowerMax                                | –         | 260/70/140  | John Deere 1770NT<br>Challenger 540c                |
| <b>Brian Warpup</b><br>Warren, IN            | 296.4299 | DEKALB DKC64-64RIB     | SS           | Acceleron                                    | 35000              | –           | Atrazine 4L Corvus, Roundup                                 | –         | 180/120/200 | John Deere 1775NT<br>John Deere S770                |
| <b>MINNESOTA</b>                             |          |                        |              |  |                    |             |   |           |             |   |
| <b>Mark Fendrich</b><br>Wells, MN            | 313.5275 | Pioneer P0953AM™       | AM,LL,RR2    | –  | 30500              | –           | Keystone  | –         | 180/78/48   | Case IH 1255<br>Case IH 7088                        |
| <b>Logan Fendrich</b><br>Wells, MN           | 295.6803 | Pioneer P1366AM™       | AM,LL,RR2    | –  | 30500              | –           | Keystone  | –         | 180/78/48   | Case IH 1255 Front-Fold Early Riser<br>Case IH 7088 |
| <b>Gary Sobeck</b><br>Winona, MN             | 284.5530 | DEKALB DKC60-80RIB     | VT2P         | Acceleron                                    | 38000              | –           | AAtrax, Glyphosate Resicore                                 | –         | 200/48/150  | Kinze 3600<br>Case IH 5088                          |
| <b>MISSOURI</b>                              |          |                        |              |  |                    |             |   |           |             |   |
| <b>Jeff O'Bannon</b><br>Hallsville, MO       | 293.7529 | Dyna-Gro D55VC80RIB    | VT2P-RIB     | –  | 33500              | –           | –   | –         | 230/0/0     | John Deere 1700<br>John Deere 9770                  |
| <b>Brad Schmidt</b><br>Portage Des Sioux, MO | 291.2158 | DEKALB DKC67-94RIB     | TRE          | –  | 37000              | –           | Degree Xtra Laudis  | Veltyrna  | 250/100/100 | John Deere 1770NT<br>Case IH Axial Flow 9250        |
| <b>Lane Aldrich</b><br>Excelsior Springs, MO | 286.4525 | Lewis Hybrids 15CV899  | Conventional | –  | 34000              | –           | –   | –         | 210/40/80   | Kinze 4900<br>John Deere S670                       |
| <b>OHIO</b>                                  |          |                        |              |  |                    |             |   |           |             |   |
| <b>Don Jackson</b><br>Camden, OH             | 315.6142 | DEKALB DKC63-91RIB     | VT2PRIB      | –  | 37500              | –           | Capreno, Class Act NG Degree Xtra, Destiny Roundup PowerMax | –         | 100/0/0     | Kinze 3650<br>John Deere 9570 STS                   |
| <b>Alan Borton</b><br>Wilmington, OH         | 308.3881 | DEKALB DKC70-27RIB     | VT2PRIB      | Poncho 500                                   | 36000              | –           | –   | –         | 0/0/0       | John Deere 1775 NT<br>John Deere S780               |
| <b>Andrew Bond</b><br>New Vienna, OH         | 303.9203 | Pioneer P1383AM™       | AM,LL,RR2    | LumiGEN™ 2020 High Rate; Poncho 1250 +Votivo | 37500              | –           | Atrazine 4L Callisto Keystone                               | –         | 285/92/95   | John Deere 1755<br>John Deere S770                  |
| <b>WISCONSIN</b>                             |          |                        |              |  |                    |             |   |           |             |   |
| <b>Reginald Kamps</b><br>Darlington, WI      | 324.0593 | Pioneer P0421Q™        | Q,LL,RR2     | LumiGEN™ 2020 High Rate; Poncho 1250+Votivo  | 34300              | –           | –   | –         | 208/39/160  | Kinze 3200<br>Case IH 2377                          |
| <b>Mike Berget</b><br>Darlington, WI         | 303.8079 | DEKALB DKC63-91RIB     | VT2PRIB      | Poncho 250                                   | 36000              | –           | –   | –         | 220/60/120  | John Deere 1775NT<br>John Deere X9                  |
| <b>Matt Berget</b><br>Gratiot, WI            | 299.4829 | DEKALB DKC63-91RIB     | VT2PRIB      | Poncho 500                                   | 36000              | –           | –   | –         | 220/60/120  | John Deere 1760NT MaxEmerge XP<br>John Deere X9     |

## First Place



### JOHN PANOWICZ

Cairo, NE

325.5161 bu./acre

Pioneer P1742Q

Harvest Population: 35,000

Harvester: CaseIH 8250

#### SUPERVISORS

**Matt Mundorf:** Ag Loan Officer, State Bank of Hildreth

**Kerwyn Stewart:** Crop Adjuster, self-employed

John Panowicz says he's always trying new things to stay progressive and that sure paid off with his first place yield of 325 bu./acre using Pioneer P1742Q. "I want great standability, excellent plant health and a high stay-green score so the plant can perform like it should," he says.

Panowicz plants with a customized 16-row John Deere planter with Precision Planting components that his brother does a bang-up job of tuning every year so it's ready to roll in the spring.

"I make sure to get off the tractor and check seed depth, spacing and sidewall compaction during planting," Panowicz says. "I don't completely rely on the monitor. I also do all my own scouting because I enjoy it and it's how I learn."

Fall soil testing helps him build his fertilization program for the coming year. As part of that, he plants triticale as a cover crop and grazes it in the spring.

At planting, he uses starter fertilizer placed in a 2x2x2 band and consisting of nitrogen, phosphorus and sulfur plus zinc, boron and humic acid to get the crop off to a good start. In addition, he applies Genesis ag biologicals, zinc, manganese, a plant growth regulator and an energy source in-furrow to feed the soil biology.

During the growing season, he soil tests every two to three weeks and spoon feeds nutrients as needed

starting at V5 to R3, applied Y-drop, foliar and with pivots. In total, he uses 270 pounds of nitrogen.

Weekly tissue sampling using Next Level Ag lab and testing services begins from V3 to R4. "This really helps me be proactive on plans for this year and next," Panowicz says. "Soil health is my No. 1 goal. I want to ensure my soil fertility is balanced which leads to the soil biology releasing the right amount of nutrients into the plant."

Besides Corteva's Resicore herbicide at V3 for weed control, Panowicz is a big believer in fungicides and applies BASF Veltima at V10 and again at R2.

Conditions were so dry in his area that for the first time ever he ran the pivot before planting. "Despite it being a long, hot summer, we had lots of sunlight and good pollination," he explains. Dry weather continued right up through fall which made for good harvest conditions.

"I try to push my test crop to the limit so I can use what I learn on the rest of my farm's acres. I guess that's what excites me about entering the contest."

### Bushel Builders

- Focus on soil health, my No. 1 goal.
- Balance plant nutrients.
- Tissue and soil test in-season.

## Second Place

### CHAD RIGDON

Jarrettsville, MD

324.0123 bu./acre

DEKALB DKC62-70

Harvest Population: 37,998

Harvester: John Deere 9670 STS

Farming in the Chesapeake Bay watershed takes an astute grower who knows the regulation ropes. Chad Rigdon proves he's shrewd enough to comply with all the certifications and has a 324 bu./acre second place winning yield to prove it.

A big part of his success relies on using cover crops, which he's been planting for 15 years. Rigdon says they hold the moisture when it gets drier and also slow-releases nutrients throughout the growing season. "It's good conservation, but we also get a financial incentive from the state to do it."

Planting went smoothly this year and they had good rains during the growing season. Temperatures were warmer than normal, although it got a little hot during pollination.

Rigdon tissue samples three times on contest acres, at V4, V10 and R1. "It helps us pick up something plants may need and then we spoon feed them along the way," he says. "We've learned that multiple applications of fungicide help keep plants healthy. In fact, this coming year we'll make at least one more fungicide application later because we think it pays off." They're also planning to use more biologicals on their fields.

With several wins over the years under the Rigdons' family belt, it's not unusual for people to want to know how they reach those high yields. "We're wide open to having anyone come and look at our fields and talk to us whenever they want," he says. "We're always trying to challenge ourselves and push to the next level to see if our hard work pays off."

#### SUPERVISOR

**Roy Norris:** Retired Ag Instructor, Edgewood High School

## Third Place

### SPENCER SANDERSON

Madison, AL

323.8221 bu./acre

AgriGold A643-52VT2

Harvest Population: 36,100

Harvester: John Deere S690

Third place winner Spencer Sanderson is convinced he was made for farming. "I'm passionate about agriculture and enjoy talking about it to others. I even make YouTube videos to help educate and inspire the next generation."

Sanderson's family has been regular entrants in the national corn yield contest since the late 1990s and have placed in the last four years. All that helps provide him a good foundation for learning.

"We have a high-moisture red clay that compacts easily, especially along the river bottoms," says the fifth-generation farmer. "That's a big reason we use an agronomist to help us with not only hybrid selection but also overall crop practices."

Sanderson says their biggest issue at planting is making sure all the electronics are tuned to perfection on their John Deere 1775NT 24-row planter.

The contest acres were fertilized with a custom plan based on yearly soil samples. Special applications were made during the growing season to prevent deficiencies in boron, zinc, phosphorus and sulfur. Tissue sampling every two weeks starting at V3 and ending at black layer helped identify plant needs. In addition, he applied BASF Veltima fungicide to help push yields.

"We had hot, dry growing conditions this year with 10 days of temperatures over 100 degrees—and it all hit during pollination." A bright spot, however, was near-perfect harvest conditions.

"Next year we plan to apply fungicide earlier to get better stalk strength and will adjust down pressure on the planter for better seed placement," he says.

#### SUPERVISOR

**Eddie McGriff:** Regional Extension Agent, Alabama Cooperative Extension



**COMMIT**



**CONTRIBUTE**



**COMPETE**



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ASSOCIATION

|  | Yield    | Hybrid Brand/ No.       | Traits     | Seed Treatment        | Harvest Population | Insecticide     | Herbicide   | Fungicide | N/P/K       | Planter/Harvester  |
|--|----------|-------------------------|------------|-----------------------|--------------------|-----------------|---|-----------|-------------|--|
| <b>G: NO-TILL IRRIGATED</b>                      |          |                         |            |                       |                    |                 |   |           |             |  |
| <b>ALABAMA</b>                                   |          |                         |            |                       |                    |                 |   |           |             |  |
| <b>Spencer Sanderson</b><br>Madison, AL          | 323.8221 | AgriGold A643-52VT2     | VT2        | –                     | 36100              | –               | –   | –         | 350/0/44    | John Deere 1775 NT<br>John Deere S690                                  |
| <b>J Howard Hobbs</b><br>Elkmont, AL             | 267.6778 | DEKALB DKC68-69         | VT2P       | Poncho+ Roundup       | 36000              | –               | AAtrex, Glyphosate Undercover                         | –         | 400/0/0     | John Deere 1795<br>John Deere S670                                     |
| <b>Angela Dee</b><br>Aliceville, AL              | 263.7049 | DEKALB DKC68-69 VT2PRIB | VT2PRIB    | Acceleron+ Poncho 250 | 33180              | –               | Atrazine, Capreno Leadoff, Roundup                    | Veltyma   | 300/64/117  | John Deere 1720 CCS Stack-Fold<br>John Deere S780                      |
| <b>ARKANSAS</b>                                  |          |                         |            |                       |                    |                 |   |           |             |  |
| <b>Aaron Garner</b><br>Lake City, AR             | 272.1684 | Dyna-Gro D57CC51        | CONV       | Acceleron             | 35000              | Besiege Holster | Atrazine 4L, Lexar Me-Too Lachlor II Roundup PowerMax | Trivapro  | 270/90/110  | John Deere 1725 CCS Stack-Fold<br>John Deere S790                      |
| <b>Gregg Garner</b><br>Lake City, AR             | 257.2565 | Dyna-Gro D57CC51        | CONV       | Acceleron             | 36000              | Besiege Holster | Atrazine 4L, Lexar Me-Too Lachlor II Roundup PowerMax | Trivapro  | 282/107/128 | John Deere 1725 CCS Stack-Fold<br>John Deere S790                      |
| <b>Len Nall</b><br>Lake City, AR                 | 252.6369 | Dyna-Gro D57CC51        | CONV       | Acceleron             | 36500              | Besiege Holster | Atrazine 4L, Lexar Me-Too Lachlor II Roundup PowerMax | Trivapro  | 250/82/54   | John Deere 1725 CCS Stack-Fold<br>John Deere S790                      |
| <b>COLORADO</b>                                  |          |                         |            |                       |                    |                 |   |           |             |  |
| <b>Aaron Waitman</b><br>Wray, CO                 | 296.7530 | Pioneer P1366AML™       | AML,LL,RR2 | LumiGEN™ 2020 Premium | 32000              | –               | –   | –         | 300/60/25   | John Deere 1770 NT CCS<br>John Deere S670                              |
| <b>Clay Smith</b><br>Burlington, CO              | 191.2426 | LG Seeds LG5494VT2RIB   | VT2RIB     | Acceleron             | 26000              | –               | –   | –         | 220/30/10   | John Deere 1720 CCS Stack-Fold<br>Massey Ferguson 9795 Axial           |
| <b>DELAWARE</b>                                  |          |                         |            |                       |                    |                 |   |           |             |  |
| <b>Gary Ockels</b><br>Milton, DE                 | 306.3800 | DEKALB DKC61-41RIB      | VT2PRIB    | Acceleron             | 40000              | Ethos XB        | Gramoxone, Harness Plus Herbimax, Princep 4L Roundup  | –         | 200/0/0     | Case IH 1255 Front-Fold Early Riser<br>Case IH Axial Flow 7230         |
| <b>Alan Garey</b><br>Felton, DE                  | 296.8553 | Channel 213-19VT2PRIB   | VT2PRIB    | Poncho 250            | 33000              | –               | Atrazine+Roundup Halex GT                             | –         | 200/30/80   | Harvest International Ultra Plant Series 40<br>Case IH Axial Flow 7250 |
| <b>Joshua Messick</b><br>Lincoln, DE             | 281.7543 | Pioneer P1718           | Conv       | –                     | 37000              | –               | –   | –         | 265/0/150   | Kinze 3500<br>John Deere 9610  |
| <b>FLORIDA</b>                                   |          |                         |            |                       |                    |                 |   |           |             |  |
| <b>Ethan Cone</b><br>Jennings, FL                | 272.8188 | AgriGold A6659VT2PRO    | VT2PRO     | Acceleron+ Poncho 250 | 31400              | –               | Atrazine Roundup PowerMax                             | –         | 260/90/400  | Monosem Twin Row<br>John Deere S9570                                   |
| <b>Christopher Dietrich</b><br>Graceville, FL    | 250.6952 | DEKALB DKC62-08         | SS         | –                     | 34000              | Counter 20 G    | Atrazine Roundup                                      | Trivapro  | 300/70/300  | John Deere 1700 MaxEmerge XP<br>Case IH 2388                           |
| <b>GEORGIA</b>                                   |          |                         |            |                       |                    |                 |   |           |             |  |
| <b>Stephen Wischmeier</b><br>Brownstown, IN      | 306.4515 | DEKALB DKC67-44RIB      | VT2PRIB    | –                     | 36000              | –               | –   | –         | 300/300/300 | John Deere 1775NT<br>John Deere S780                                   |
| <b>IOWA</b>                                      |          |                         |            |                       |                    |                 |   |           |             |  |
| <b>Todd Folkerts</b><br>Inwood, IA               | 275.9909 | Pioneer P0953AM™        | AM,LL,RR2  | LumiGEN™ 2020 Premium | 34000              | –               | Durango DMA Keystone LA Resicore                      | Headline  | 250/0/0     | John Deere 1770 NT CCS<br>John Deere 9560 STS                          |
| <b>Roy Folkerts</b><br>Inwood, IA                | 273.6030 | Pioneer P0953AM™        | AM,LL,RR2  | LumiGEN™ 2020 Premium | 34000              | –               | Durango DMA Keystone LA, Resicore                     | Headline  | 250/0/0     | John Deere 1770 NT CCS<br>John Deere 9560 STS                          |
| <b>Dave Klocke</b><br>Templeton, IA              | 263.2036 | AgriGold A641-85TRCRIB  | TRCRIB     | Poncho 250            | 33100              | –               | –   | –         | 150/0/0     | John Deere DB60<br>Claas Lexion 740                                    |
| <b>IDAHO</b>                                     |          |                         |            |                       |                    |                 |   |           |             |  |
| <b>Loren McIntyre</b><br>Marsing, ID             | 269.6726 | Pioneer P9998           | CONV       | –                     | 36000              | –               | Armezon Helena Atrazine 4L                            | –         | 222/35/16   | John Deere 1730<br>Gleaner S67   |
| <b>ILLINOIS</b>                                  |          |                         |            |                       |                    |                 |   |           |             |  |
| <b>Greg McClure</b><br>Saint Francisville, IL    | 304.0826 | AgriGold A645-16VT2RIB  | VT2RIB     | Poncho 250            | 36000              | –               | Acuron, Atrazine Roundup, Verdict                     | Veltyma   | 0/0/0       | Kinze 3650<br>Case IH 8240   |
| <b>Cameron McClure</b><br>Saint Francisville, IL | 304.0346 | AgriGold A645-16VT2RIB  | VT2RIB     | Poncho 250            | 36000              | –               | Acuron, Atrazine, Verdict Roundup PowerMax            | –         | 0/0/0       | Kinze 3650<br>Case IH 8240   |

|  | Yield | Hybrid Brand/ No. | Traits | Seed Treatment | Harvest Population | Insecticide | Herbicide | Fungicide | N/P/K | Planter/Harvester |
|--|-------|-------------------|--------|----------------|--------------------|-------------|-----------|-----------|-------|-------------------|
|--|-------|-------------------|--------|----------------|--------------------|-------------|-----------|-----------|-------|-------------------|

## G: NO-TILL IRRIGATED

**David Luepkes** 299.1703 AgriGold A6499STXRIB STXRIB Acceleron+ Poncho 250 35500 – – – 330/92/124 John Deere 1770 NT CCS  
Oregon, IL John Deere 9770 STS

### INDIANA

**Brandon Cardinal** 307.5487 AgriGold A6659VT2PRO VT2PRO Poncho 500 36000 – – – 280/160/160 John Deere 1775NT  
Oaktown, IN John Deere S780

**Jerry Wischmeier** 307.2239 DEKALB DKC67-94RIB TRE Acceleron+ Poncho 500 37000 – – – 280/92/250 John Deere 1770NT  
Brownstown, IN John Deere S660

**Colton Wischmeier** 300.1977 DEKALB DKC67-94RIB TRE Acceleron+ Poncho 500 37000 – – – 280/92/250 John Deere 1770NT  
Brownstown, IN John Deere S660

### KANSAS

**Brett Oelke** 296.7856 Pioneer P1366AML™ AML,LL,RR2 LumiGEN™ 2020 Premium 33000 – – – 1330/30/5 John Deere 1770 NT CCS  
Hoxie, KS John Deere S770

**Chris & Myreon Menold** 288.3682 Pioneer P1828AM™ AM,LL,RR2 – 32000 – – – 0/0/0 John Deere 1795  
Sabetha, KS John Deere S680

**Cordell Cyr** 285.2027 Pioneer P1718AML™ AML,LL,RR2 LumiGEN™ 2020 High Rate; Poncho 1250+Votivo 32000 – – – 0/0/0 John Deere 1760NT  
Clyde, KS MaxEmerge XP  
John Deere S680

### KENTUCKY

**Meredith Halcomb** 285.3660 Pioneer P1442 CONV PPST 250 36000 Lamcap Abundit Edge Atrazine 4L, Diablo Leadoff, Status 300/0/0 John Deere 1795  
Adairville, KY John Deere S780

**Russel Schwenke** 274.6732 Pioneer P1222AM™ AM,LL,RR2 Lumivia 35500 Capture LFR AAtrex 4L, Verdict Armezon Pro 242/46/120 Kinze 3600  
Union, KY Case IH 6140

**Paul Howlett** 269.5682 AgriGold A647-42TRCRIB TRCRIB – 34000 – – – 240/50/175 Kinze 2000  
Glendale, KY John Deere 9410

### MASSACHUSETTS

**Sarah Henry** 263.9241 Channel 205-70STXRIB STX RIB Acceleron+ Poncho 250 37500 – Resicore Roundup PowerMax 150/60/130 Kinze 2500  
Southampton, MA John Deere S770

### MARYLAND

**Chad Rigdon** 324.0123 DEKALB DKC62-70 VT2P Acceleron+ Poncho 250 37998 – – – 0/0/0 John Deere 1770NT CCS ProXP  
Jarrettsville, MD John Deere 9670 STS

**Dan Dulin** 286.6672 Pioneer P0953AM™ AM,LL,RR2 LumiGEN™ 2020 High Rate; Poncho 1250+Votivo 32000 – AAtrex, AAtrex 4L Acuron Flexi, Princep 4L Generic Roundup 240/52/140 John Deere 1770 NT CCS  
Queen Anne, MD John Deere S670

**David & Ronnie Andrews** 272.6429 Pioneer P1622AML™ AML,LL,RR2 Poncho 250 34000 Baythroid 2,4-D, Atra-V 4L Anthem MAXX Capreno, Paraquat 275/30/150 John Deere 1770 NT CCS  
Hurlock, MD John Deere S780

### MAINE

**Matthew Blodget** 214.4378 Channel 189-64VT2PRIB VT2PRIB – 37000 – – – 210/0/150 White 6100  
New Gloucester, ME John Deere 9510

### MICHIGAN

**Brian McKeown** 275.5198 Dyna-Gro D45TC55RIB TRE Poncho 250 35189 – Acuron 250/60/60 John Deere 1775NT  
Middleville, MI John Deere S660

**Evan Landis** 269.7127 DEKALB DKC63-91RIB VT2PRIB – 34000 Bifenture Corvus Degree Xtra **Headline AMP** 300/100/100 John Deere 1775 NT  
Three Rivers, MI John Deere 1775 NT

**Scott McKeown** 265.9036 Pioneer P0825AM™ AM,LL,RR2 LumiGEN™ 2020 Premium 35000 – Acuron Atrazine 4L 200/50/80 John Deere 1775 NT  
Middleville, MI John Deere S660

### MINNESOTA

**Janneke Sobek** 293.0522 DEKALB DKC63-91RIB VT2PRIB Acceleron 38000 – AAtrex, Glyphosate Resicore 200/48/150 Kinze 3600  
Winona, MN Case IH 5088

**Fred Bauer** 285.2798 Pioneer P1185Q Q,LL,RR2 LumiGEN™ 2020 High Rate; Poncho 1250+Votivo 34500 – AAtrex 4L, Callisto Dual II, Durango Veltyma 250/50/100 John Deere DB60  
Hastings, MN John Deere S780

### MISSOURI

**Matthew Cox** 291.5171 Pioneer P1847VYHR AVBL,YGCB, HX1,LL,RR2 TPST 500 33000 – AAtrex 4L, Acuron Roundup Ultra 280/30/120 John Deere 1720 MaxEmerge XP  
Scott City, MO John Deere 9670 STS

| Yield | Hybrid Brand/ No. | Traits | Seed Treatment | Harvest Population | Insecticide | Herbicide | Fungicide | N/P/K | Planter/ Harvester |
|-------|-------------------|--------|----------------|--------------------|-------------|-----------|-----------|-------|--------------------|
|-------|-------------------|--------|----------------|--------------------|-------------|-----------|-----------|-------|--------------------|

## G: NO-TILL IRRIGATED

### MISSISSIPPI

|                                       |          |                                   |                  |                       |       |   |                                    |         |             |   |
|---------------------------------------|----------|-----------------------------------|------------------|-----------------------|-------|---|------------------------------------|---------|-------------|---|
| <b>Seth More</b><br>Aliceville, AL    | 264.5174 | Mission Seed Solutions A1548DGV2P | DGV2P            | Acceleron+ Poncho 250 | 33200 | – | Atrazine, Capreno Leadoff, Roundup | Veltyma | 300/64/117  | John Deere 1720 CCS Stack-Fold<br>John Deere S780 |
| <b>Jason Hunter</b><br>Glen Allan, MS | 238.8521 | Pioneer P1870YHR                  | YGCB,HX1, LL,RR2 | Cruiser 250           | 36000 | – | –                                  | –       | 240/120/200 | John Deere 1720 MaxEmerge XP<br>John Deere X9     |

### MONTANA

|                                     |          |                 |          |   |       |   |   |   |       |  |
|-------------------------------------|----------|-----------------|----------|---|-------|---|---|---|-------|--|
| <b>Lane Lowell</b><br>Park City, MT | 265.3112 | Pioneer P9193Q™ | Q,LL,RR2 | – | 38000 | – | – | – | 0/0/0 | John Deere 7300 MaxEmerge 2<br>John Deere 9600 |
|-------------------------------------|----------|-----------------|----------|---|-------|---|---|---|-------|--|

### NORTH CAROLINA

|  |          |                  |                  |          |       |   |  |                       |             |   |
|--|----------|------------------|------------------|----------|-------|---|--|-----------------------|-------------|---|
| <b>Kevin Matthews</b><br>East Bend, NC | 290.7297 | Pioneer P1870YHR | YGCB,HX1, LL,RR2 | Invigor8 | 33000 | – | Atrazine 4L Clarity, Roundup Steadfast | Aproach Prima Veltyma | 220/140/200 | John Deere DB44<br>John Deere S690                |
| <b>Charles Grantham</b><br>Raleigh, NC | 265.1801 | DEKALB DKC62-70  | VT2P             | ELT 500  | 35000 | – | Leadoff, Roundup Sharpen               | –                     | 272/78/63   | John Deere 1770NT<br>John Deere 9770 STS          |
| <b>Austin Bryant</b><br>Jackson, NC    | 252.8311 | Dyna-Gro D58VC65 | VT2P             | P250     | 27100 | – | Generic Roundup Laudis, Zidua          | –                     | 300/45/120  | John Deere 1725 CCS Stack-Fold<br>John Deere S770 |

### NORTH DAKOTA

|  |          |                         |               |                        |       |   |        |   |             |   |
|--|----------|-------------------------|---------------|------------------------|-------|---|--------|---|-------------|---|
| <b>Cody Frauenberg</b><br>Lamoure, ND      | 289.1263 | DEKALB DKC47-27RIB      | DG-VT2PRIB    | Amplify D+ Poncho 1250 | 38000 | – | Laudis | – | 300/250/300 | John Deere DB66<br>Case IH 9230                           |
| <b>Lance and Kemp MaKeeff</b><br>Minot, ND | 185.6179 | Golden Harvest G80Q01-V | Viptera 3220A | –                      | 32000 | – | –      | – | 150/80/20   | Case IH 1255 Front-Fold Early Riser<br>New Holland CR9070 |

### NEBRASKA

|   |          |                   |            |   |       |   |                |          |          |  |
|---|----------|-------------------|------------|---|-------|---|----------------|----------|----------|--|
| <b>John Panowicz</b><br>Cairo, NE           | 325.5161 | Pioneer P1742Q™   | Q,LL,RR2   | LumiGEN™ 2020 High Rate; Poncho 1250+Votivo | 35000 | – | Resicore       | –        | 260/30/0 | John Deere 1770 NT CCS<br>Case IH 8250 |
| <b>Creighton Peterson</b><br>Smithfield, NE | 319.5407 | Pioneer P1185AM™  | AM,LL,RR2  | –   | 35000 | – | Acuron FulTime | Trivapro | 225/45/0 | John Deere DR16<br>John Deere X9       |
| <b>Brad Williams</b><br>Cedar Bluffs, NE    | 317.3405 | Pioneer P2042AML™ | AML,LL,RR2 | –   | 34000 | – | –              | –        | 260/0/0  | Case IH 1200<br>John Deere S760        |

### NEW JERSEY

|   |          |                     |           |   |       |   |        |   |          |  |
|---|----------|---------------------|-----------|---|-------|---|--------|---|----------|--|
| <b>Garrett Woolf</b><br>Monroe Township, NJ | 318.4638 | Dyna-Gro D58VC65RIB | VT2P-RIB  | Poncho 250                                  | 32000 | – | Corvus | – | 260/0/90 | Kinze 3600<br>Case IH CIH 2388                           |
| <b>Carly Barlieb</b><br>Stewartsville, NJ   | 176.6836 | Pioneer P1222AM™    | AM,LL,RR2 | LumiGEN™ 2020 High Rate; Poncho 1250+Votivo | 30000 | – | Lumax  | – | 250/0/0  | John Deere 1780 MaxEmerge Plus Vacuum<br>John Deere S760 |

### NEW MEXICO

|                                       |          |                   |            |                       |       |   |   |   |          |   |
|---------------------------------------|----------|-------------------|------------|-----------------------|-------|---|---|---|----------|---|
| <b>Angilene Jim</b><br>Farmington, NM | 245.5062 | Pioneer P1122AML™ | AML,LL,RR2 | LumiGEN™ 2020 Premium | 34750 | – | – | – | 250/40/0 | John Deere 1700 MaxEmerge Vacuum, John Deere S670 |
|---------------------------------------|----------|-------------------|------------|-----------------------|-------|---|---|---|----------|---|

### NEVADA

|                                      |          |                  |           |   |       |   |        |   |       |                                    |
|--------------------------------------|----------|------------------|-----------|---|-------|---|--------|---|-------|------------------------------------|
| <b>James Wadsworth</b><br>Fallon, NV | 144.1703 | Pioneer P0046AM™ | AM,LL,RR2 | – | 34000 | – | Honcho | – | 0/0/0 | John Deere 7000<br>John Deere 9600 |
|--------------------------------------|----------|------------------|-----------|---|-------|---|--------|---|-------|------------------------------------|

### OHIO

|  |          |                    |      |           |       |                         |   |         |       |                                      |
|--|----------|--------------------|------|-----------|-------|-------------------------|---|---------|-------|--------------------------------------|
| <b>Marc Colburn</b><br>Chillicothe, OH | 272.0037 | DEKALB DKC64-65RIB | VT2P | Acceleron | 34000 | Sniper Tombstone Helios | Atrazine 4L, Callisto Salvo, Verdict Roundup PowerMax | Veltyma | 0/0/0 | John Deere 1775NT<br>John Deere S780 |
|--|----------|--------------------|------|-----------|-------|-------------------------|---|---------|-------|--------------------------------------|

### OKLAHOMA

|                                |          |                 |          |   |       |   |   |   |          |  |
|--------------------------------|----------|-----------------|----------|---|-------|---|---|---|----------|--|
| <b>Abel DeBoer</b><br>Felt, OK | 281.9399 | Pioneer P1108Q™ | Q,LL,RR2 | – | 28000 | – | – | – | 280/50/0 | John Deere 1720 Stack-Fold MaxEmerge Plus<br>John Deere S770 |
|--------------------------------|----------|-----------------|----------|---|-------|---|---|---|----------|--|

### PENNSYLVANIA

|                                      |          |                  |           |            |       |          |                                |   |            |  |
|--------------------------------------|----------|------------------|-----------|------------|-------|----------|--------------------------------|---|------------|--|
| <b>Dawson Mast</b><br>Morgantown, PA | 281.7212 | Pioneer P1077AM™ | AM,LL,RR2 | Poncho 250 | 35000 | Lambda T | Balance Flexx Paraquat Trizmet | – | 280/70/237 | John Deere 1750 MaxEmerge Plus Vacuum<br>John Deere 9870 STS |
|--------------------------------------|----------|------------------|-----------|------------|-------|----------|--------------------------------|---|------------|--|

### SOUTH CAROLINA

|                                   |          |                 |      |                       |       |                                |  |               |             |  |
|-----------------------------------|----------|-----------------|------|-----------------------|-------|--------------------------------|--|---------------|-------------|--|
| <b>Daniel Garrick</b><br>Cope, SC | 288.5946 | DEKALB DKC63-91 | VT2P | Amplify D+ Poncho 250 | 33500 | Counter 20 G Permethrin Sniper | Atrazine, Barrage Impact, Roundup Roundup PowerMax | Aproach Prima | 250/120/200 | John Deere 1705<br>Case IH Axial Flow 7250 |
|-----------------------------------|----------|-----------------|------|-----------------------|-------|--------------------------------|--|---------------|-------------|--|

| Yield                                    | Hybrid Brand/ No. | Traits                   | Seed Treatment        | Harvest Population    | Insecticide | Herbicide                      | Fungicide  | N/P/K          | Planter/Harvester |   |
|--|-------------------|--------------------------|-----------------------|-----------------------|-------------|--------------------------------|--|----------------|-------------------|---|
| <b>G: NO-TILL IRRIGATED</b>              |                   |                          |                       |                       |             |                                |  |                |                   |   |
| <b>Daniel Garrick</b><br>Cope, SC        | 281.3246          | Dyna-Gro D58VC65         | VT2P                  | Amplify L+ Poncho 250 | 33000       | Counter 20 G Permethrin Sniper | Atrazine, Barrage Impact, Roundup Roundup PowerMax             | Approach Prima | 250/120/100       | John Deere 1705<br>Case IH Axial Flow 7250            |
| <b>SOUTH DAKOTA</b>                      |                   |                          |                       |                       |             |                                |  |                |                   |   |
| <b>Tom &amp; Don Logue</b><br>Volin, SD  | 246.0934          | Pioneer P1366AM™         | AM,LL,RR2             | Lumivia               | 33000       | –                              | Callisto Keystone LA   | –              | 240/80/60         | John Deere 1770NT<br>John Deere 9660 STS              |
| <b>Sam Arens</b><br>Yankton, SD          | 231.5925          | Pioneer P1366Q™          | Q,LL,RR2              | Lumivia               | 34000       | –                              | Callisto, Dicamba DMA Keystone LA                              | –              | 200/40/30         | Case IH 1250 Pivot<br>Case IH 8250                    |
| <b>TENNESSEE</b>                         |                   |                          |                       |                       |             |                                |  |                |                   |   |
| <b>Jimmy Latham</b><br>Belvidere, TN     | 294.3729          | Dyna-Gro D55VC80         | VT2P                  | Poncho 500            | 40000       | –                              | Halex GT   | –              | 300/200/200       | Kinze 3800<br>New Holland CR6090                      |
| <b>Seth Taylor</b><br>Rives, TN          | 289.0264          | DEKALB DKC67-44          | VT2P                  | Accelaron+ Poncho 250 | 35000       | –                              | Lexar Roundup PowerMax   | Trivapro       | 330/200/200       | John Deere 1770NT CCS ProXP<br>John Deere 5770        |
| <b>William Latham</b><br>Belvidere, TN   | 288.2529          | DEKALB DKC69-99          | TRE                   | Poncho 500            | 38000       | –                              | Halex GT   | –              | 300/200/200       | Kinze 3800<br>New Holland CR9090                      |
| <b>UTAH</b>                              |                   |                          |                       |                       |             |                                |  |                |                   |   |
| <b>Lee Hanberg</b><br>Randlett, UT       | 272.1479          | DEKALB DKC48-68RIB       | SS                    | –                     | 36000       | –                              | –  | –              | 0/0/0             | John Deere 1775NT<br>John Deere S670                  |
| <b>VIRGINIA</b>                          |                   |                          |                       |                       |             |                                |  |                |                   |   |
| <b>Keith Brankley</b><br>Skipwith, VA    | 298.2928          | Dyna-Gro D58VC65RIB      | VT2P-RIB              | Accelaron+ Poncho 250 | 34000       | Besiege                        | Bicep II Magnum Gramoxone SL Halex GT, <a href="#">Sharpen</a> | Trivapro       | 300/75/150        | John Deere 1790 CCS<br>John Deere 9770 STS            |
| <b>Mark Brankley</b><br>Skipwith, VA     | 278.1164          | Pioneer P1718VYHR        | AVBL,YGCB, HX1,LL,RR2 | LumiGEN™ 2020 Premium | 38000       | Besiege                        | Bicep II Magnum Gramoxone SL Halex GT, <a href="#">Sharpen</a> | Trivapro       | 300/75/150        | John Deere 1790 CCS<br>John Deere 9770 STS            |
| <b>Cindy Newcomb</b><br>Hanover, VA      | 274.8174          | Pioneer P1464AML™*       | AML,LL,RR2            | Poncho 1250           | 32000       | –                              | Bicep II Magnum Halex GT, Princep 4L                           | –              | 300/60/300        | Kinze 3600<br>Case IH 8240                            |
| <b>WASHINGTON</b>                        |                   |                          |                       |                       |             |                                |  |                |                   |   |
| <b>Shawn Clausen</b><br>Warden, WA       | 300.5748          | DEKALB DKC49-72RIB       | SSRIB                 | –                     | 38000       | –                              | DiFlexx, Laudis Roundup PowerMax                               | –              | 20/4/8            | John Deere 1720 MaxEmerge XP<br>John Deere S680       |
| <b>Phillip Gross</b><br>Warden, WA       | 296.6629          | DEKALB DKC54-38RIB       | SSRIB                 | –                     | 37000       | –                              | Atrazine+Roundup   | –              | 225/65/50         | John Deere 1720 CCS Stack-Fold<br>John Deere S780     |
| <b>Nathan Cox</b><br>Moses Lake, WA      | 270.7855          | Pioneer P0421AM™         | AM,LL,RR2             | –                     | 37000       | –                              | Roundup PowerMax   | –              | 300/60/150        | John Deere 7200 MaxEmerge 2 Vacuum<br>John Deere S680 |
| <b>WISCONSIN</b>                         |                   |                          |                       |                       |             |                                |  |                |                   |   |
| <b>Ben Turzinski</b><br>Almond, WI       | 263.0799          | Golden Harvest G02K39-AA | 3120                  | Avicta                | 37000       | –                              | Atrazine Glyphosate Roundup+ <a href="#">Status</a>            | Veltyma        | 230/24/160        | John Deere 1760<br>Case IH 6130                       |
| <b>Ben Dowdell</b><br>Pardeeville, WI    | 251.2060          | Pioneer P0035AM™         | AM,LL,RR2             | LumiGEN™ 2020 Premium | 34500       | –                              | Aim, Atrazine Callisto, Glyphosate Dual II Magnum              | Trivapro       | 240/150/150       | John Deere 1750 MaxEmerge Plus<br>John Deere 9560     |
| <b>Ken &amp; Gerard Kau</b><br>Eagle, WI | 245.0246          | Pioneer P0720Q™          | Q,LL,RR2              | Accelaron             | 34000       | –                              | Dicamba DMA Durango DMA, Staunch                               | –              | 190/26/86         | John Deere 1770 NT CCS<br>John Deere S780             |
| <b>WEST VIRGINIA</b>                     |                   |                          |                       |                       |             |                                |  |                |                   |   |
| <b>Adam Long</b><br>New Market, VA       | 262.8982          | DEKALB DKC70-27RIB       | VT2PRIB               | –                     | 31000       | –                              | –  | –              | 225/0/100         | John Deere 1795<br>John Deere S770                    |
| <b>Todd Widmyer</b><br>Charles Town, WV  | 258.1966          | Pioneer P1587Q™          | Q,LL,RR2              | –                     | 33000       | –                              | Lexar, Princep 4L Roundup PowerMax                             | –              | 200/80/80         | John Deere 1770 Conservation<br>Case IH 1660          |
| <b>WYOMING</b>                           |                   |                          |                       |                       |             |                                |  |                |                   |   |
| <b>Joe Umble</b><br>Torrington, WY       | 229.5925          | Channel 197-66VT2PRIB    | VT2PRIB               | –                     | 32500       | –                              | –  | –              | 200/50/0          | John Deere 1760 Conservation<br>John Deere S670       |
| <b>Rick Cook</b><br>Lingle, WY           | 183.6521          | Pioneer P0446Q           | Q,LL,RR2              | –                     | 36500       | –                              | –  | –              | 250/100/50        | John Deere 1700 MaxEmerge XP<br>John Deere 9660 STS   |

### First Place



#### MILES PETERSON

Bertrand, NE

357.9817 bu./acre

Pioneer P1718AML

Harvest Population: 34,000

Harvester: Claas Lexion 8600

#### SUPERVISORS

**Eric Titus:** Ag Loan Officer, First National Bank

**Brent Samuelson:** Ag Loan Officer, First State Bank

First time out of the chute for trying strip-till landed Miles Peterson a first place win with nearly 358 bu./acre. “We decided to try it based on the success producers in our area were having with it,” he says.

The minute he’s out of the combine, Peterson says he’s thinking about hybrids for the next year. Right away he looks at test plot data with his local Pioneer team to select hybrids for the next season.

“It was one of the driest years we’ve had, so we even ran our pivots about a week before planting,” he says. “It stayed hot and dry all summer so it surprises me how we were able to pull out the yields we did. I guess it’s just a testament to the value of irrigation.”

He uses a John Deere 1770 NT 24-row planter that’s in tip-top shape before it’s pulled into the field. A long-time user of Precision Planting, last year Peterson added its FurrowForce closing system that improved seed-to-soil contact.

His foray into strip-till started in the fall before planting with 125 pounds per acre of nitrogen. Then at planting, he went with a starter of 3 gallons per acre of 10-34-0 in-furrow and another 35 pounds of nitrogen with a pre-emerge herbicide application.

As the growing season progressed, tissue sampling led to spoon-feeding 125 pounds of nitrogen across four fertigation passes starting at V13 and continuing through grain fill.

Herbicides included a pre-emerge application of Bayer’s Harness and Syngenta’s Callisto followed by a postemerge treatment of Harness Max and atrazine.

Disease wasn’t much of an issue during the growing season, but as a precaution he made one aerial application of Delaro Complete fungicide to help with late-season plant health.

Tissue sampling has become routine and after two samples on the test acres, Peterson found the corn crop was low on nutrients and required extra fertigation to obtain high yields.

He caught a rain the first part of harvest and then it was smooth sailing after that, he says.

“I like the yield contest because it lets me see what’s possible and helps me push practices further,” he says. “My dad won the ridge-till irrigated class in 2003 with a yield of 284 bushels, so it’s crazy to me that 19 years later we are already seeing such high yields and expect that we’ll even see 400-bushel yields in our area in the next five years.”

#### Bushels Builders

- Pay more attention to late-season nitrogen needs.
- Surround yourself with experienced advisers.
- Control what you can control.

### Second Place

#### ROCKY PETERSON

Bertrand, NE

353.6465 bu./acre

Pioneer P1563AML

Harvest Population: 32,000

Harvester: John Deere X9 1000

#### SUPERVISORS

**Jake Dreiling:**  
Independent Crop Consultant

**Quentin Ediger:**  
Crop Consultant, Southwind Crop Insurance

A hot, dry growing season barely affected Rocky Peterson from reaching his second place win in this category. “With being 10 inches behind in rainfall, it was so dry we couldn’t get enough down pressure on our planter to make a dent in the ground,” he says. “We even had to pre-water our fields before planting.”

Peterson has been entering the corn yield contest since the mid-1980s, all to achieve higher yields so he can use what he learns on the entire operation.

“I always look for a hybrid with good standability and high yield—and rely heavily on my Pioneer reps and NCGA contest yield results.”

The contest has made him push his goals and plant population numbers higher every year, now at 35,000 across all acres. He uses a John Deere High-Speed ExactEmerge 16-row planter that’s tuned to perfection before it hits the fields. “We go through and make sure everything is up to factory specs.”

Living in cattle country, he’s able to capitalize on manure from local feedlots that cut fertilizer costs by about 15 percent. In addition, he uses 32 percent liquid nitrogen in 2x2 at planting and then adds more through the pivots during the growing season for a total of 260 pounds of nitrogen.

He applies Corteva’s FulTime NXT as a pre-emerge and Syngenta’s Acuron GT postemerge at V4 and V5. In addition, he flies on Syngenta’s Besiege insecticide and Trivapro fungicide at about tassel stage.

Dry conditions made harvest a snap, he says, especially with his new John Deere X9 1000 combine.

### Third Place

#### TEMPLE RHODES

Centreville, MD

344.9377 bu./acre

DEKALB DKC63-91RIB

Harvest Population: 39,500

Harvester: John Deere S680

#### SUPERVISORS

**Robb Dedman:** Certified Crop Adviser, Ultimate Ag Consulting

**Jessica Clarke:**  
Denton Crop Insurance Agent, Farm Credit Horizon

Temple Rhodes has excelled at soybean yield contests for years, but this was his first attempt at the NCGA National Corn Yield Contest. The result? He snagged a third place win with a yield of almost 345 bu./acre.

“You have to pay special attention to government regulations when you farm in the Chesapeake Bay watershed,” he says. “We’re only allowed so much fertilizer to use in our nutrient plans, so we need to find just the right time to feed the plants.”

Tissue sampling drives much of his decision-making and he’s become a pro at reading results. “The more we can get nitrogen-phosphorus-potassium out of the soil and into the plant the less likely we are to have it end up in the watershed.”

The big revelation on his award-winning yield was that by adding nutrients later, nearing black layer, he was able to garner an additional 30 bu./acre. “Before that, I think we were leaving money on the table.”

He runs a John Deere 1795 16-row planter that’s been retrofitted with Precision Planting and uses a 2x2 in-furrow program with starter fertilizer that also includes fungicide, micronutrients, insecticide, humic acid, plant growth regulator and sugar.

“We started with good growing conditions and began irrigating at V3, but by the end of June it started raining and our soil ended up too wet,” he says. “By harvest, soils dried and combining with his John Deere S680 went smoothly.”

Rhodes credits much of his success to membership in Xtreme Ag, which provides and shares on-farm test results.

|  | 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

|  |          |                        |     |                          |       |   |  |         |            |   |
|--|----------|------------------------|-----|--------------------------|-------|---|--|---------|------------|---|
| <b>Stuart Sanderson</b><br>Madison, AL | 317.5726 | AgriGold<br>A643-52VT2 | VT2 | –                        | 38000 | – | –  | –       | 350/0/44   | John Deere 1775 NT<br>John Deere S690             |
| <b>Mike Dee</b><br>Aliceville, AL      | 243.4248 | DEKALB<br>DKC65-93     | RR2 | Acceleron+<br>Poncho 250 | 31280 | – | Atrazine, Capreno<br>Leadoff, Roundup PowerMax | Veltyma | 300/64/117 | John Deere 1720 CCS Stack-Fold<br>John Deere S780 |

### ARKANSAS

|  |          |                        |     |                          |       |   |          |          |            |                                      |
|--|----------|------------------------|-----|--------------------------|-------|---|----------|----------|------------|--------------------------------------|
| <b>Matt Miles</b><br>McGehee, AR         | 308.4859 | AgriGold<br>A647-42TRC | TRC | Acceleron+<br>Poncho 250 | 34000 | – | Halex GT | Trivapro | 270/96/140 | Monosem NG Plus 4<br>John Deere S780 |
| <b>Layne Miles</b><br>Mc Gehee, AR       | 292.8628 | DEKALB<br>DKC65-99     | TRE | Acceleron+<br>Poncho 250 | 34000 | – | Halex GT | Trivapro | 270/96/140 | Monosem NG Plus 4<br>John Deere S780 |
| <b>Sherrie Kay Miles</b><br>Mc Gehee, AR | 267.6569 | AgriGold<br>A647-42TRC | TRC | Acceleron+<br>Poncho 250 | 34000 | – | Halex GT | Trivapro | 270/96/140 | Monosem NG Plus 4<br>John Deere S780 |

### COLORADO

|                                     |          |                         |           |                          |       |   |   |   |           |   |
|-------------------------------------|----------|-------------------------|-----------|--------------------------|-------|---|---|---|-----------|---|
| <b>Marty Buoy</b><br>Holyoke, CO    | 336.8520 | DEKALB<br>DKC63-91RIB   | VT2PRIB   | Acceleron                | 32000 | – | –   | – | 250/50/50 | John Deere 1770<br>John Deere S770                              |
| <b>Byron Weathers</b><br>Yuma, CO   | 322.8377 | Channel<br>209-06STXRIB | STX RIB   | Acceleron                | 33000 | – | AAtrax 4L, Harness Max<br>Roundup PowerMax<br>Roundup RT3, Status | – | 285/15/50 | Case IH 1230 Stackbar<br>Early Riser<br>Case IH Axial-Flow 9120 |
| <b>Derek Schilke</b><br>Holyoke, CO | 308.6781 | Pioneer<br>P1185AM™     | AM,LL,RR2 | LumiGEN™<br>2020 Premium | 34000 | – | FulTime   | – | 275/0/0   | John Deere 1775NT<br>John Deere S780                            |

### DELAWARE

|   |          |                        |          |            |       |   |       |   |            |   |
|---|----------|------------------------|----------|------------|-------|---|-------|---|------------|---|
| <b>Mark Collins</b><br>Laurel, DE       | 302.1188 | DEKALB<br>DKC63-91RIB  | VT2PRIB  | Poncho 250 | 34000 | – | Bicep | – | 275/35/225 | Harvest International Ultra<br>Plant Series 40<br>Case IH Axial Flow 7250 |
| <b>Cody Killen</b><br>Milford, DE       | 292.2216 | Dyna-Gro<br>D54VC14RIB | VT2P-RIB | Acceleron  | 34000 | – | –     | – | 290/30/120 | John Deere 1770NT<br>John Deere S780                                      |
| <b>Raymond Gannon</b><br>Harrington, DE | 248.4794 | Dyna-Gro<br>D54VC14    | VT2P     | –          | 34000 | – | –     | – | 0/0/0      | John Deere 7000 Conservation<br>John Deere 6620 Titan 2                   |

### FLORIDA

|                                      |          |                         |        |                          |       |            |                              |                        |             |  |
|--------------------------------------|----------|-------------------------|--------|--------------------------|-------|------------|------------------------------|------------------------|-------------|--|
| <b>Dusty Cone</b><br>Jennings, FL    | 276.7946 | AgriGold<br>A6659VT2PRO | VT2PRO | Acceleron+<br>Poncho 250 | 32170 | –          | Atrazine<br>Roundup PowerMax | –                      | 265/90/400  | Monosem Twin Row<br>John Deere 9570    |
| <b>Craig Bishop</b><br>Marianna, FL  | 263.1855 | AgriGold<br>A6659VT2PRO | VT2PRO | Acceleron+<br>Poncho 250 | 32500 | Bifenthrin | Roundup PowerMax             | Quilt Xcel<br>Trivapro | 350/200/200 | Monosem Twin Row<br>John Deere S660    |
| <b>Wyatt Jackson</b><br>Live Oak, FL | 261.6713 | AgriGold<br>A6659VT2PRO | VT2PRO | Acceleron+<br>Poncho 250 | 32500 | –          | –                            | –                      | 253/30/240  | John Deere 1700<br>John Deere 9660 STS |

### GEORGIA

|  |          |                         |        |                          |       |            |                                    |          |             |   |
|--|----------|-------------------------|--------|--------------------------|-------|------------|------------------------------------|----------|-------------|---|
| <b>James Hitchcock</b><br>Tennille, GA | 322.3664 | DEKALB<br>DKC62-06      | CONV   | Acceleron+<br>Poncho 250 | 36669 | Besiege    | Atrazine 90 DF<br>Laudis           | Trivapro | 250/100/250 | John Deere 1725 Integral<br>Stack-Fold, John Deere S780 |
| <b>Ben Jackson</b><br>Wrightsville, GA | 302.0818 | DEKALB<br>DKC62-06      | CONV   | –                        | 33450 | –          | –                                  | –        | 400/100/85  | John Deere 1760<br>Case IH 8250                         |
| <b>Caleb Traugh</b><br>Blakely, GA     | 260.3297 | AgriGold<br>A6659VT2PRO | VT2PRO | Poncho 500               | 33000 | Bifenthrin | Atrazine+Roundup<br>Dual II Magnum | Trivapro | 300/75/180  | Monosem NG Plus 3<br>Case IH 1640                       |

### IOWA

|   |          |                    |          |   |       |   |  |   |        |                                       |
|---|----------|--------------------|----------|---|-------|---|--|---|--------|---------------------------------------|
| <b>Colby Winter</b><br>Lake City, IA    | 307.9397 | Pioneer<br>P1185Q™ | Q,LL,RR2 | LumiGEN™ 2020<br>High Rate; Poncho<br>1250+Votivo | 33500 | – | Anthem MAXX, Gly Star<br>Status, Verdict | – | 50/0/0 | John Deere 1775 NT<br>John Deere S780 |
| <b>Matthew Schleisman</b><br>Gurnee, IA | 305.8793 | Pioneer<br>P0924Q™ | Q,LL,RR2 | LumiGEN™ 2020<br>High Rate; Poncho<br>1250+Votivo | 33500 | – | Anthem MAXX, Gly Star<br>Status, Verdict | – | 50/0/0 | John Deere 1775 NT<br>John Deere S780 |
| <b>Landon Schleisman</b><br>Lytton, IA  | 294.1139 | Pioneer<br>P1366Q™ | Q,LL,RR2 | LumiGEN™ 2020<br>High Rate; Poncho<br>1250+Votivo | 33500 | – | Anthem MAXX, Gly Star<br>Status, Verdict | – | 45/0/0 | John Deere 1775 NT<br>John Deere S780 |

### IDAHO

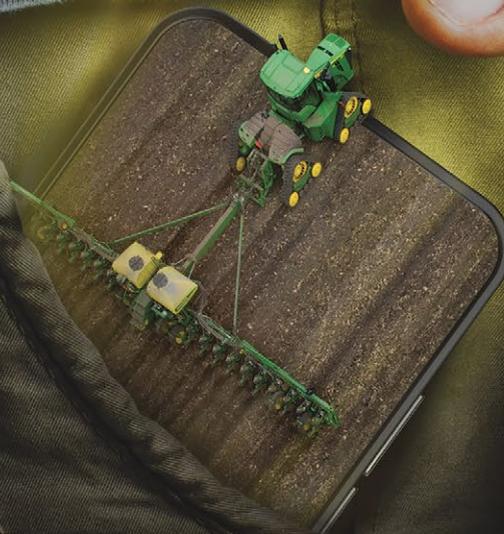
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|--------------------------------------|----------|-------------------|----------|-------------|-------|--------|--|---|----------|--|
| <b>Billy Wolfe</b><br>Grand View, ID | 291.2956 | Pioneer<br>P1185Q | Q,LL,RR2 | Poncho 1250 | 36000 | Onager | Prowl H2O, Surpass<br>Roundup PowerMax, Status | – | 320/40/0 | John Deere 1700 MaxEmerge XP<br>Case IH 7230 |
|--------------------------------------|----------|-------------------|----------|-------------|-------|--------|--|---|----------|--|

|  | Yield    | Hybrid Brand/ No.          | Traits       | Seed Treatment                                    | Harvest Population | Insecticide | Herbicide  | Fungicide                   | N/P/K       | Planter/Harvester  |
|--|----------|----------------------------|--------------|---|--------------------|-------------|--|-----------------------------|-------------|--|
| <b>H: STRIP-TILL, MINIMUM-TILL, MULCH-TILL, RIDGE-TILL IRRIGATED</b> |          |                            |              |   |                    |             |  |                             |             |  |
| <b>Nicole Hults</b><br>Gooding, ID                                   | 254.2267 | DEKALB<br>DKC49-72RIB      | SSRIB        | –   | 38500              | –           | –  | –                           | 200/52/60   | John Deere 1720 MaxEmerge XP<br>John Deere S670                    |
| <b>ILLINOIS</b>  |          |                            |              |   |                    |             |  |                             |             |  |
| <b>Dan Luepkas</b><br>Chana, IL                                      | 324.3123 | AgriGold<br>A643-52VT2RIB  | VT2RIB       | Acceleron+<br>Poncho 250                          | 36200              | –           | Resicore   | –                           | 350/92/124  | John Deere 1770 NT CCS<br>John Deere 9770 STS                      |
| <b>Matt Willits</b><br>New Boston, IL                                | 289.1107 | Pioneer<br>P1185AM™        | AM,LL,RR2    | Lumivia   | 34000              | –           | Atrazine+Impact<br>Generic Roundup, Resicore                       | Trivapro                    | 255/116/100 | John Deere 1770 NT CCS<br>Claas Lexion 750                         |
| <b>INDIANA</b>   |          |                            |              |   |                    |             |  |                             |             |  |
| <b>Adam Motz</b><br>Bourbon, IN                                      | 318.7866 | Pioneer<br>P1383AM™        | AM,LL,RR2    | LumiGEN™<br>2020 Premium                          | 38000              | –           | –  | –                           | 300/150/200 | John Deere 1770<br>John Deere S780                                 |
| <b>Kevin Smith</b><br>Rochester, IN                                  | 317.8031 | Pioneer<br>P0953AM™        | AM,LL,RR2    | LumiGEN™ 2020<br>High Rate; Poncho<br>1250+Votivo | 33000              | –           | Lumax  | –                           | 280/45/300  | John Deere 1775NT<br>John Deere S780                               |
| <b>Nancy Gohn</b><br>Rochester, IN                                   | 309.0516 | Pioneer<br>P0953AM™        | AM,LL,RR2    | LumiGEN™ 2020<br>High Rate; Poncho<br>1250+Votivo | 35000              | –           | Volley ATZ   | –                           | 320/75/250  | John Deere 1775NT<br>John Deere S780                               |
| <b>KANSAS</b>  |          |                            |              |   |                    |             |  |                             |             |  |
| <b>Ryan Jagels</b><br>Garden City, KS                                | 323.7010 | Pioneer<br>P1718AML™       | AML,LL,RR2   | LumiGEN™<br>2020 Premium                          | 32000              | –           | –  | –                           | 275/0/0     | John Deere 1720 Stack-Fold<br>MaxEmerge Plus<br>New Holland CR8090 |
| <b>Grant Webber</b><br>Sublette, KS                                  | 321.7877 | DEKALB<br>DKC70-27RIB      | VT2PRIB      | –   | 34000              | –           | –  | –                           | 0/0/0       | John Deere DB60<br>John Deere S780                                 |
| <b>Kelby Ross</b><br>Plains, KS                                      | 305.4217 | AgVenture<br>AV8614Q       | Qrome        | –   | 35000              | –           | –  | –                           | 250/70/50   | John Deere 1710 Vacuum<br>John Deere S770                          |
| <b>KENTUCKY</b>  |          |                            |              |   |                    |             |  |                             |             |  |
| <b>Tanner Stroup</b><br>Lewisport, KY                                | 301.8335 | AgriGold<br>A645-16        | Conventional | Poncho 1250                                       | 36000              | –           | Acuron<br>Atrazine 4L  | –                           | 275/200/300 | John Deere 1775 Flex<br>Case IH 9240                               |
| <b>Scott Ebelhar</b><br>Owensboro, KY                                | 276.5704 | AgriGold<br>A645-16VT2RIB  | VT2RIB       | –   | 34000              | –           | –  | –                           | 310/152/752 | John Deere 1770 NT CCS<br>John Deere S680                          |
| <b>Joel Armistead</b><br>Adairville, KY                              | 267.5866 | DEKALB<br>DKC65-95RIB      | VT2PRIB      | –   | 38000              | Lamcap      | Acuron, Leadoff<br>Atrazine 90 DF<br>Clethodim 2E<br>Dicamba Max 4 | Trivapro<br>Veltyrna        | 280/250/250 | John Deere DB44<br>Case IH Axial Flow 7250                         |
| <b>LOUISIANA</b>   |          |                            |              |   |                    |             |  |                             |             |  |
| <b>Nolan Clark</b><br>Mer Rouge, LA                                  | 267.5299 | DEKALB<br>DKC65-93         | RR2          | Apron MAXX  | 42000              | –           | Charger Max<br>Glyphosate  | Azoxystrobin<br>PropiMax EC | 300/75/90   | John Deere 1720 CCS Twin Row<br>John Deere S680                    |
| <b>Jennifer Moroni</b><br>Winnsboro, LA                              | 260.3922 | Dyna-Gro<br>D54VC14        | VT2P         | Cruiser 5FS,<br>Awaken Co-Flow                    | 33000              | –           | –  | –                           | 250/60/80   | John Deere 1720 MaxEmerge XP<br>John Deere S670                    |
| <b>Michael Moroni</b><br>Sicily Island, LA                           | 256.4510 | DEKALB<br>DKC69-99         | TRE          | –   | 33500              | –           | –  | –                           | 260/50/75   | John Deere 1700 MaxEmerge XP<br>John Deere S680                    |
| <b>MARYLAND</b>  |          |                            |              |   |                    |             |  |                             |             |  |
| <b>Temple Rhodes</b><br>Centreville, MD                              | 344.9377 | DEKALB<br>DKC63-91RIB      | VT2PRIB      | –   | 39500              | –           | –  | –                           | 325/70/250  | John Deere 1790 CCS<br>John Deere S680                             |
| <b>Julia Rigdon</b><br>Jarrettsville, MD                             | 324.0423 | DEKALB<br>DKC61-41         | VT2P         | Acceleron+<br>Poncho 250                          | 38000              | –           | –  | –                           | 0/0/0       | John Deere 1770NT CCS ProXP<br>John Deere 9670 STS                 |
| <b>Brian Tull</b><br>Seaford, DE                                     | 304.2231 | DEKALB<br>DKC63-91RIB      | VT2PRIB      | Poncho 500  | 34000              | –           | –  | –                           | 275/35/120  | Case IH 2150 Early Riser Front Fold<br>Case IH Axial Flow 7250     |
| <b>MICHIGAN</b>  |          |                            |              |   |                    |             |  |                             |             |  |
| <b>Nick Suwyn</b><br>Wayland, MI                                     | 303.9924 | AgriGold<br>A639-70 STXRIB | STXRIB       | Poncho 500  | 38200              | –           | Acuron   | –                           | 325/25/250  | Case IH 1250 Front-Fold Early Riser<br>Case IH 8250                |
| <b>T Jon Drozd</b><br>Allegan, MI                                    | 302.0109 | Pioneer<br>P1170AM™        | AM,LL,RR2    | Amplify D   | 38000              | –           | Capreno<br>Cinch ATZ   | Veltyrna                    | 295/120/300 | John Deere 1775 NT<br>John Deere S780                              |
| <b>Dale Suwyn</b><br>Wayland, MI                                     | 296.8995 | AgriGold<br>A639-70 STXRIB | STXRIB       | Poncho 500  | 38950              | –           | Acuron   | –                           | 325/75/125  | Case IH 1250 Front-Fold Early Riser<br>Case IH 8250                |

|  | Yield    | Hybrid Brand/ No.                    | Traits                   | Seed Treatment           | Harvest Population | Insecticide | Herbicide                                  | Fungicide       | N/P/K       | Planter/Harvester   |
|--|----------|--------------------------------------|--------------------------|--------------------------|--------------------|-------------|--|-----------------|-------------|---|
| <b>H: STRIP-TILL, MINIMUM-TILL, MULCH-TILL, RIDGE-TILL IRRIGATED</b> |          |                                      |                          |                          |                    |             |  |                 |             |   |
| <b>MINNESOTA</b>   |          |                                      |                          |                          |                    |             |  |                 |             |   |
| <b>Deanna Sobek</b><br>Winona, MN                                    | 277.9805 | DEKALB<br>DKC59-82RIB                | VT2PRIB                  | Acceleron                | 38000              | -           | AAtrex, Resicore<br>Glyphosate             | -               | 250/48/150  | Kinze 3600<br>Case IH 5088  |
| <b>Joseph Hopkins</b><br>Buffalo, MN                                 | 269.6513 | Pioneer<br>P0529Q™                   | Q,LL,RR2                 | PPST 250                 | 36000              | -           | Clethodim 2E<br>Durango, Resicore          | -               | 260/80/180  | White 9816<br>Case IH 8120  |
| <b>Joe Krippner</b><br>Kimball, MN                                   | 253.2062 | DEKALB<br>DKC51-25RIB                | VT2RIB                   | Acceleron 500            | 35000              | Brigade 2EC | DiFlexx Duo<br>Roundup PowerMax<br>Warrant | Delaro Complete | 155/10/15   | White 9180 Forward-Fold<br>Case IH 5088                           |
| <b>MISSOURI</b>  |          |                                      |                          |                          |                    |             |  |                 |             |   |
| <b>Kevin O'Bannon</b><br>Madison, MO                                 | 304.3753 | DEKALB<br>DKC70-27RIB                | VT2PRIB                  | -                        | 34000              | -           | -  | -               | 220/80/80   | John Deere 1770<br>John Deere 9770                                |
| <b>Jerry Cox</b><br>Delta, MO  | 298.6602 | Pioneer<br>P1718VYHR                 | AVBL,YGCB,<br>HX1,LL,RR2 | TPST 500                 | 33500              | -           | AAtrex 4L, Acuron<br>Roundup Ultra         | -               | 290/25/125  | John Deere 1700 MaxEmerge XP<br>John Deere 9670 STS               |
| <b>Clint Sutter</b><br>Taylor, MO                                    | 292.0291 | Pioneer<br>P1222AM™                  | AM,LL,RR2                | -                        | 34000              | -           | -  | -               | 260/90/90   | John Deere 1770 NT CCS<br>John Deere 9770 STS                     |
| <b>MISSISSIPPI</b>   |          |                                      |                          |                          |                    |             |  |                 |             |   |
| <b>Betsy Belk</b><br>Greenwood, MS                                   | 271.1354 | DEKALB<br>DKC70-27                   | VT2P                     | -                        | 38000              | -           | Atrazine<br>Halex GT                       | -               | 0/0/0       | John Deere 1725 Integral Stack-Fold<br>John Deere S780            |
| <b>Preston Arrington</b><br>Inverness, MS                            | 269.7068 | Pioneer<br>P2089VYHR                 | AVBL,YGCB,<br>HX1,LL,RR2 | -                        | 32000              | -           | Halex GT                                   | -               | 253/0/0     | John Deere 1700 MaxEmerge XP<br>John Deere S770                   |
| <b>Carol Hunter</b><br>Glen Allan, MS                                | 256.9978 | Pioneer<br>P1718VYHR                 | AVBL,YGCB,<br>HX1,LL,RR2 | Cruiser                  | 35000              | -           | -  | -               | 240/120/200 | John Deere 1720 MaxEmerge XP<br>John Deere X9                     |
| <b>MONTANA</b>   |          |                                      |                          |                          |                    |             |  |                 |             |   |
| <b>Justin Watson</b><br>Hardin, MT                                   | 262.1824 | Pioneer<br>P9489AM™                  | AM,LL,RR2                | -                        | 38000              | -           | -  | -               | 0/0/0       | John Deere 7300 MaxEmerge 2<br>John Deere S670                    |
| <b>Eric Lowell</b><br>Park City, MT                                  | 258.1932 | Pioneer<br>P9211Q™                   | Q,LL,RR2                 | -                        | 38000              | -           | -  | -               | 0/0/0       | John Deere 7300 MaxEmerge 2<br>John Deere 9600                    |
| <b>Jason Watson</b><br>Hardin, MT                                    | 257.7838 | DEKALB<br>DKC45-64                   | RR2                      | Acceleron+<br>Poncho 250 | 37500              | -           | -  | -               | 260/100/15  | John Deere 7300 MaxEmerge 2<br>John Deere S670                    |
| <b>NORTH CAROLINA</b>  |          |                                      |                          |                          |                    |             |  |                 |             |   |
| <b>John Sykes</b><br>Conway, NC                                      | 270.9146 | Augusta Seed<br>A7168                | VT2P                     | -                        | 36000              | -           | -  | -               | 285/80/275  | John Deere 1720 CCS Stack-Fold<br>Case IH 8240                    |
| <b>Daniel Lewis</b><br>Orrum, NC                                     | 231.8717 | Dyna-Gro<br>D58VC65                  | VT2P                     | Poncho 250               | 34000              | -           | -  | -               | 339/143/247 | John Deere 1700 MaxEmerge Vacuum<br>John Deere S690               |
| <b>Douglas Maxwell</b><br>Creswell, NC                               | 213.8970 | Pioneer<br>P1870YHR                  | YGCB,HX1,<br>LL,RR2      | -                        | 28000              | -           | -  | -               | 245/75/105  | John Deere 7300<br>Case IH 2166                                   |
| <b>NORTH DAKOTA</b>  |          |                                      |                          |                          |                    |             |  |                 |             |   |
| <b>James Frauenberg</b><br>LaMoure, ND                               | 291.6550 | DEKALB<br>DKC47-27RIB                | DG-VT2PRIB               | Acceleron+<br>Poncho 250 | 38000              | -           | Laudis                                     | -               | 300/200/300 | John Deere DB66<br>Case IH 9230                                   |
| <b>Travis Myers</b><br>Colfax, ND                                    | 218.9245 | AgriGold<br>A629-22 STXRIB           | STXRIB                   | Amplify L                | 34000              | -           | AAtrex 4L, Resicore<br>Generic Roundup     | -               | 300/60/80   | White 9824<br>Case IH 8250  |
| <b>Chris Hoffman</b><br>Williston, ND                                | 126.1335 | Golden Harvest<br>Artesian G84J92-AA | 3120A                    | -                        | 29000              | -           | -  | -               | 185/0/0     | John Deere 1770 Conservation<br>John Deere 9770                   |
| <b>NEBRASKA</b>  |          |                                      |                          |                          |                    |             |  |                 |             |   |
| <b>Miles Peterson</b><br>Bertrand, NE                                | 357.9817 | Pioneer<br>P1718AML™                 | AML,LL,RR2               | -                        | 34000              | Warrior     | Harness Max<br>Harness Xtra                | Delaro<br>-     | 260/45/0    | John Deere 1770 NT CCS<br>Claas Lexion 8600                       |
| <b>Rocky Peterson</b><br>Bertrand, NE                                | 353.6465 | Pioneer<br>P1563AML™                 | AML,LL,RR2               | -                        | 32000              | -           | Acuron<br>FullTime                         | Trivapro        | 225/50/0    | John Deere DR16<br>John Deere X9                                  |
| <b>James McDonald</b><br>Phillips, NE                                | 326.8243 | Pioneer<br>P1742Q™                   | Q,LL,RR2                 | LumiGEN™<br>2020 Premium | 33500              | -           | -  | -               | 245/0/0     | John Deere DR16<br>John Deere S660                                |
| <b>NEW JERSEY</b>  |          |                                      |                          |                          |                    |             |  |                 |             |   |
| <b>Tim Doyle</b><br>Clayton, NJ                                      | 306.0253 | DEKALB<br>DKC70-27RIB                | VT2PRIB                  | Acceleron+<br>Poncho 250 | 32000              | -           | Halex GT                                   | Headline AMP    | 300/0/0     | Harvest International Ultra Plant<br>Series 40<br>John Deere S670 |

|  | Yield    | Hybrid Brand/ No.          | Traits               | Seed Treatment            | Harvest Population | Insecticide  | Herbicide                                   | Fungicide | N/P/K       | Planter/ Harvester  |
|--|----------|----------------------------|----------------------|---------------------------|--------------------|--------------|---|-----------|-------------|---|
| <b>H: STRIP-TILL, MINIMUM-TILL, MULCH-TILL, RIDGE-TILL IRRIGATED</b> |          |                            |                      |                           |                    |              |   |           |             |   |
| <b>Steph Santini</b><br>Stewartsville, NJ                            | 203.9335 | DEKALB<br>DKC62-22RIB      | VT2P                 | Acceleron                 | 30003              | -            | Lumax                                       | -         | 250/50/150  | John Deere 1780 MaxEmerge Plus Vacuum, John Deere S760    |
| <b>NEW MEXICO</b>  |          |                            |                      |                           |                    |              |   |           |             |   |
| <b>JR Mason</b><br>Dalhart, TX                                       | 282.4951 | Pioneer<br>P1370Q™         | Q,LL,RR2             | -                         | 30000              | -            | -   | -         | 280/40/40   | John Deere 1770 NT CCS Case IH 1680                       |
| <b>NEW YORK</b>  |          |                            |                      |                           |                    |              |   |           |             |   |
| <b>Thomas Jeffres</b><br>Wyoming, NY                                 | 257.9378 | Pioneer<br>P0035AM™        | AM,LL,RR2            | LumiGEN™<br>2020 Premium  | 35670              | -            | -   | -         | 91/0/0      | Case IH 2150 Early Riser Front Fold John Deere 9760       |
| <b>OHIO</b>  |          |                            |                      |                           |                    |              |   |           |             |   |
| <b>Scott Haerr</b><br>Springfield, OH                                | 294.3092 | Pioneer<br>P0953AM™        | AM,LL,RR2            | -                         | 34500              | -            | -   | -         | 275/0/0     | Case IH 2150 Early Riser Front Fold John Deere S780       |
| <b>Catherine Kelbley</b><br>Fostoria, OH                             | 274.3745 | Pioneer<br>P1383AM™        | AM,LL,RR2            | -                         | 35000              | -            | -   | -         | 0/0/0       | John Deere 1775NT John Deere S780                         |
| <b>John Isler</b><br>Prospect, OH                                    | 260.0659 | AgriGold<br>A639-40 VT2RIB | VT2RIB               | Poncho 500                | 33400              | -            | -   | -         | 0/0/0       | Case IH 2150 Early Riser Front Fold Case IH 8240          |
| <b>OKLAHOMA</b>  |          |                            |                      |                           |                    |              |   |           |             |   |
| <b>Austin Sage</b><br>Texline, TX                                    | 312.2461 | Pioneer<br>P1548AM™        | Am,LL,RR2            | -                         | 32000              | -            | -   | -         | 300/100/25  | John Deere 1770 NT CCS John Deere S780                    |
| <b>Roger Fischer</b><br>Hooker, OK                                   | 304.9977 | AgVenture<br>AV8614AM™     | YGCB,HXX,<br>LL,RR2  | -                         | 31000              | -            | -   | -         | 260/45/1    | John Deere 1770 NT CCS John Deere S670                    |
| <b>Fred Fischer</b><br>Hooker, OK                                    | 287.6225 | Pioneer<br>P1359AM™        | AM,LL,RR2            | -                         | 31000              | -            | -   | -         | 270/30/0    | Harvest International Other John Deere S770               |
| <b>OREGON</b>  |          |                            |                      |                           |                    |              |   |           |             |   |
| <b>Eti Ena</b><br>Boardman, OR                                       | 314.2725 | Pioneer<br>P0953AM™        | AM,LL,RR2            | 0953 Lumigen & Lumisure   | 40000              | -            | -   | -         | 142/15/109  | John Deere 1700 MaxEmergePlus Vacuum John Deere S780      |
| <b>Kristen Corpus</b><br>Irrigon, OR                                 | 305.0396 | Pioneer<br>P0953AM™        | AM,LL,RR2            | -                         | 44000              | -            | Atrazine, Zidua<br>Roundup PowerMax         | -         | 150/0/0     | John Deere 7340 John Deere S780                           |
| <b>PENNSYLVANIA</b>  |          |                            |                      |                           |                    |              |   |           |             |   |
| <b>Tracy Scipioni</b><br>Newmanstown, PA                             | 289.7082 | Pioneer<br>P1506AM™        | AM,LL,RR2            | -                         | 36000              | -            | -   | -         | 200/0/40    | John Deere 1750 MaxEmerge Plus Vacuum Gleaner R52         |
| <b>Gavin Mast</b><br>Morgantown, PA                                  | 277.2434 | Pioneer<br>P1077AM™        | AM,LL,RR2            | Poncho 250                | 35000              | Lambda T     | Balance Flexx<br>Trizmet                    | -         | 280/70/237  | John Deere 1750 MaxEmerge Plus Vacuum John Deere 9870 STS |
| <b>Tony Adams</b><br>Sunbury, PA                                     | 238.0402 | DEKALB<br>DKC59-81RIB      | SSRIB                | Acceleron+<br>Poncho 250  | 35000              | -            | AAtrax 4L, Explorer<br>Glyphosate 4, Status | Revytek   | 200/10/90   | Case IH 2150 Early Riser Front Fold New Holland CR8080    |
| <b>SOUTH CAROLINA</b>  |          |                            |                      |                           |                    |              |   |           |             |   |
| <b>Russ Jameson</b><br>Orangeburg, SC                                | 294.0892 | Pioneer<br>P2042VYHR       | AVBL,YGCB,<br>HX1,LL | Amplify L+<br>Poncho 250  | 36500              | Counter 20 G | Atrazine<br>Roundup PowerMax                | -         | 275/0/125   | John Deere 1705 Case IH 7140                              |
| <b>William Jameson</b><br>Elloree, SC                                | 292.6655 | DEKALB<br>DKC63-91         | VT2P                 | Amplify L+<br>Poncho 250  | 34500              | Counter 20 G | Atrazine<br>Roundup PowerMax                | -         | 275/0/125   | John Deere 1705 Case IH 7140                              |
| <b>Ray Jameson</b><br>Orangeburg, SC                                 | 274.4079 | Dyna-Gro<br>D58VC65        | VT2P                 | Amplify L+<br>Poncho 250  | 33800              | Counter 20 G | Atrazine<br>Roundup PowerMax                | -         | 275/0/125   | John Deere 1705 Case IH 7140                              |
| <b>SOUTH DAKOTA</b>  |          |                            |                      |                           |                    |              |   |           |             |   |
| <b>Tyler Poeschl</b><br>Yankton, SD                                  | 263.4595 | Channel<br>213-19VT2PRIB   | VT2PRIB              | Acceleron                 | 34000              | -            | -   | -         | 250/150/120 | John Deere 1775 NT John Deere S780                        |
| <b>TENNESSEE</b>   |          |                            |                      |                           |                    |              |   |           |             |   |
| <b>Ethan Tanner</b><br>Union City, TN                                | 282.0131 | DEKALB<br>DKC70-27RIB      | VT2PRIB              | Acceleron                 | 32500              | Ethos XB     | Laudis                                      | Veltyma   | 265/0/35    | Case IH 2150 Early Riser Front Fold Case IH 8250          |
| <b>Kate Watson</b><br>Sweetwater, TN                                 | 270.1285 | DEKALB<br>DKC70-27RIB      | VT2PRIB              | Amplify D+<br>Poncho 1250 | 33000              | -            | Halex GT                                    | Trivapro  | 220/150/150 | John Deere 1770 John Deere 9760 STS                       |

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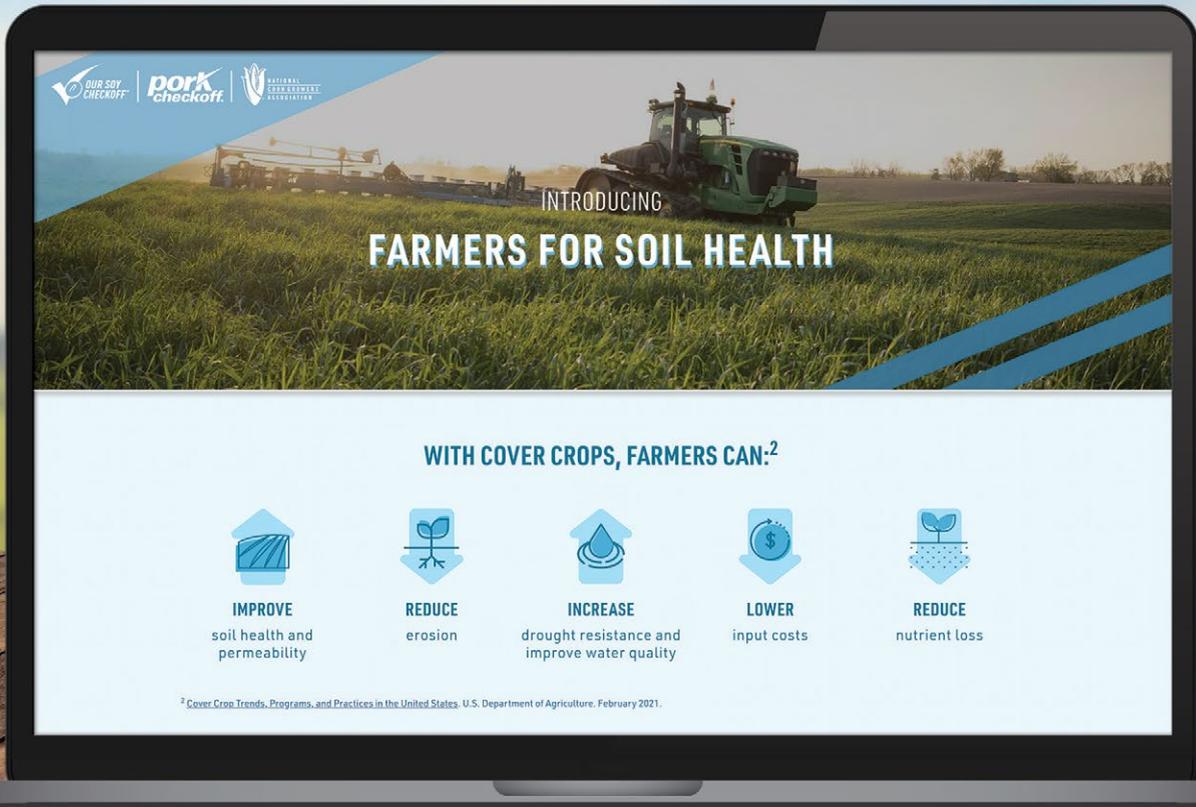
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| Yield  | Hybrid Brand/ No. | Traits                      | Seed Treatment   | Harvest Population                                 | Insecticide | Herbicide   | Fungicide   | N/P/K    | Planter/Harvester |  |
|--|-------------------|-----------------------------|------------------|--|-------------|-------------|---|----------|-------------------|--|
| <b>H: STRIP-TILL, MINIMUM-TILL, MULCH-TILL, RIDGE-TILL IRRIGATED</b> |                   |                             |                  |  |             |             |   |          |                   |  |
| <b>Terry Hopper</b><br>Tiptonville, TN                               | 186.9576          | AgriGold<br>A6659V/VT2RIB   | VT2RIB           | Acceleron+<br>Poncho 250                           | 30000       | Lambda-Cy   | Acuron, Armezon Pro<br>Atrazine+Roundup<br>Gramoxone SL     | Trivapro | 209/0/0           | Great Plains 3PYP<br>Case IH Axial-Flow 8120             |
| <b>TEXAS</b>   |                   |                             |                  |  |             |             |   |          |                   |  |
| <b>Cody Cover</b><br>Dalhart, TX                                     | 330.1081          | Pioneer<br>P1828Q™          | Q,LL,RR2         | LumiGENT™ 2020<br>High Rate; Poncho<br>1250+Votivo | 30000       | -           | -   | -        | 300/60/40         | John Deere 1770 NT CCS<br>John Deere S780                |
| <b>Chandler Preston</b><br>Dumas, TX                                 | 311.1693          | Pioneer<br>P1828Q™          | Q,LL,RR2         | -  | 33500       | -           | -   | -        | 0/0/0             | John Deere 1700 MaxEmergePlus<br>John Deere S680         |
| <b>Braiden Cartrite</b><br>Sunray, TX                                | 293.2406          | Pioneer<br>P1828AM™         | AM,LL,RR2        | -  | 35500       | -           | -   | -        | 300/15/0          | John Deere DB60<br>Case IH 8240                          |
| <b>UTAH</b>  |                   |                             |                  |  |             |             |   |          |                   |  |
| <b>Jeremy Hansen</b><br>Garland, UT                                  | 276.2062          | DEKALB<br>DKC54-65RIB       | VT2PRIB          | -  | 33580       | -           | Gly Star Plus   | -        | 350/70/0          | Case IH 1200<br>Case IH 7230                             |
| <b>Joseph Summers</b><br>Tremonton, UT                               | 241.9759          | DEKALB<br>DKC54-64RIB       | SSRIB            | -  | 35000       | -           | -   | -        | 300/60/0          | John Deere 1700 MaxEmerge XP<br>John Deere S680          |
| <b>Lee Summers</b><br>Tremonton, UT                                  | 238.2460          | DEKALB<br>DKC42-04RIB       | SSRIB            | -  | 35000       | -           | -   | -        | 300/60/0          | John Deere 1700 MaxEmerge XP<br>John Deere S680          |
| <b>VIRGINIA</b>  |                   |                             |                  |  |             |             |   |          |                   |  |
| <b>Patrick Newcomb</b><br>Hanover, VA                                | 286.2531          | Pioneer<br>P1170AM™         | AM,LL,RR2        | Poncho 1250  | 34000       | -           | Bicep II Magnum<br>Halex GT, Princep 4L                     | -        | 300/60/300        | Kinze 3600<br>Case IH 8240                               |
| <b>Tyler Heatwole</b><br>Mc Gaheysville, VA                          | 263.9216          | Pioneer<br>P1222AM™         | AM,LL,RR2        | Lumisure 1250                                      | 35000       | Lambda-Cy   | AAtrex + Princep<br>Acuron Flexi, Halex GT<br>Gly Star Plus | Miravis  | 180/0/100         | Great Plains PL1230<br>New Holland CR8090                |
| <b>Nicholas Mills</b><br>Hanover, VA                                 | 263.5903          | Pioneer<br>P1289AM™         | AM,LL,RR2        | -  | 29000       | -           | AAtrex, Gramoxone<br>Keystone, Realm Q<br>Roundup           | -        | 300/30/260        | Kinze 3660<br>John Deere S770                            |
| <b>VERMONT</b>   |                   |                             |                  |  |             |             |   |          |                   |  |
| <b>Caroline Pinto</b><br>West Rutland, VT                            | 168.1830          | DEKALB<br>DKC44-97RIB       | SS               | Acceleron  | 30500       | Capture LFR | AAtrex 4L<br>Resicore                                       | -        | 130/20/70         | John Deere 1750 Drawn Conservation<br>Case IH 2388       |
| <b>WASHINGTON</b>  |                   |                             |                  |  |             |             |   |          |                   |  |
| <b>David Gross</b><br>Reardan, WA                                    | 300.3081          | DEKALB<br>DKC42-05RIB       | VT2PRIB          | Acceleron+<br>Poncho 500 Bio Rise                  | 36000       | -           | -   | -        | 321/71/0          | Case IH 1200<br>Case IH 8250                             |
| <b>Keith Gross</b><br>Warden, WA                                     | 294.6739          | DEKALB<br>DKC54-38RIB       | SSRIB            | -  | 37000       | -           | Atrazine+Roundup  | -        | 270/65/30         | John Deere 1720 CCS Stack-Fold<br>John Deere S780        |
| <b>Aaron Golladay</b><br>Warden, WA                                  | 291.4254          | Pioneer<br>P9998AM™         | AM,LL,RR2        | -  | 37500       | -           | DiFlexx, Laudis<br>Roundup PowerMax                         | -        | 125/0/0           | John Deere 1720 MaxEmerge XP<br>John Deere S680          |
| <b>WISCONSIN</b>   |                   |                             |                  |  |             |             |   |          |                   |  |
| <b>John Stasiak</b><br>Holmen, WI                                    | 233.2296          | Golden Harvest<br>G11V76-D  | Duracade<br>5122 | Avicta   | 37000       | -           | Acuron  | Miravis  | 260/56/60         | Kinze 3600<br>John Deere 9760 STS                        |
| <b>Jan Wolosek</b><br>Wisconsin Rapids, WI                           | 230.2701          | Pioneer<br>P9619AM™         | AM,LL,RR2        | -  | 35500       | -           | Buccaneer Plus  | Trivapro | 260/84/114        | John Deere 7200 Conservation<br>John Deere S550          |
| <b>Brad &amp; Dave Luck</b><br>Prairie Du Sac, WI                    | 196.7768          | Golden Harvest<br>G03R40-DV | Duracade<br>5222 | Avicta   | 35300       | -           | -   | -        | 200/100/270       | John Deere 1760<br>Case IH 1660                          |
| <b>WEST VIRGINIA</b>   |                   |                             |                  |  |             |             |   |          |                   |  |
| <b>Ann Widmyer</b><br>Charles Town, WV                               | 260.2679          | Pioneer<br>P1077AM™         | AM,LL,RR2        | -  | 34000       | -           | Lexar, Princep 4L<br>Roundup PowerMax                       | -        | 200/80/80         | John Deere 1770 Conservation<br>Case IH 1660             |
| <b>WYOMING</b>   |                   |                             |                  |  |             |             |   |          |                   |  |
| <b>Joe Speckner</b><br>Lingle, WY                                    | 242.9440          | Pioneer<br>P0339Q™          | Q,LL,RR2         | -  | 36000       | -           | -   | -        | 180/100/20        | Case IH 1230 Stackbar Early Riser<br>John Deere 9670 STS |
| <b>Mike Peterson</b><br>Albin, WY                                    | 238.2690          | DEKALB<br>DKC37-50RIB       | VT2PRIB          | Cruiser 250  | 34500       | -           | Armezon Pro, Zidua<br>Durango DMA                           | Miravis  | 220/30/20         | John Deere 1770NT CCS ProXP<br>John Deere S780           |
| <b>Chris Cook</b><br>Lingle, WY                                      | 231.1586          | Pioneer<br>P9540AM™         | AM,LL,RR2        | -  | 33000       | -           | Roundup<br>Verdict  | -        | 210/50/20         | Case IH 1235 Stackbar Early Riser<br>Case IH 8010        |



**Farmers for Soil Health** is a new collaboration in partnership with the Soy Checkoff, Pork Checkoff and National Corn Growers Association to create a farmer-led cover crop program that advances the use of soil health practices, meets sustainability goals and improves farmer profitability.

Farmers for Soil Health will enable farmers to proactively drive sustainability improvements while gaining critical support from industry and supply chain partners. One way we can accomplish this is by increasing the number of cover crop acres in the U.S. Today, cover crops are only used on about 6% of U.S. cropland.<sup>1</sup> Our goal is to improve soil health by encouraging farmers to expand their adoption of cover crops to 30 million acres by 2030.

<sup>1</sup> Census of Ag: Cover Crop Acres in U.S. Growing 8% Per Year. Cover Crop Strategies. April 16, 2019.

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### First Place



#### **DALTON PETERSON** Bertrand, NE

**336.7485 bu./acre**  
**Pioneer P1718AML**  
**Harvest Population: 34,000**  
**Harvester: John Deere X9**

#### **SUPERVISORS**

**Jake Dreiling:** Crop Consultant, Dreiling Crop Improvement LLC  
**Quentin Ediger:** Crop Consultant, Dreiling Crop Improvement LLC

It's either something in the water in Bertrand, NE, or the Peterson family dialed in their management to haul home the gold and silver in 2023.

Not only did Dalton Peterson earn a national first-place finish in the Conventional Irrigated class, but his dad Rocky also finished second nationally in the Strip-Till Irrigated class. Peterson would have placed third in Nebraska with his nearly 337 bu./acre strip-till entry, but NCGA rules only allow one top-three placing per year.

"We've been entering the NCGA contest for a long time, and it's been a lot of fun," Peterson says. "My dad and mom have placed nationally, and I guess it's just trickled down to my brother and me. We all grow different hybrids, spoon-feed them and just see what happens."

Rainfall rarely came to their south-central Nebraska farm. The 2022 season started dry and ended dry. Peterson turned on their circle pivots before planting, and they ran them hard from April to early September.

Their contest plot strategies begin with fall soil testing, which evolves into a fertility plan for the growing season. When selecting hybrids, they use a team of their local Pioneer dealer and their agronomist.

"While we examine the best hybrids that fit specific fields, we do develop our favorite entries for the NCGA contest and lobby for them, but the final selection per family member comes from a draw out of a hat," he says with a laugh. "Sometimes it's just the luck of the draw."

Peterson has learned not to push hybrid populations too much over the years. For example, the double-stack Pioneer P1718 was seeded in late April at 34,000 plants per acre in 30-inch rows. "We normally keep our populations in the mid-30s, so our plots don't vary much from our regular fields," he says.

When working this conventional tilled plot, Peterson applied 30 tons per acre of cow manure and worked it in. During the season, he typically uses around 250 to 275 units of nitrogen in addition to the manure, depending on soil samples and weekly tissue testing results. Fertilizer is applied with the planter, also used as a carrier during herbicide application. The rest is applied through the pivot as needed to keep the corn healthy and happy.

Peterson says paying attention to details on fertility timing and using an agronomist for a weekly deep dive analysis with tissue testing is critical to keeping corn happy. "We experimented by adding a plant growth regulator to our one at-tassel fungicide spray, but that's the extent of our program. It's all about the timing of everything when pushing for higher yields," he adds.

#### **Bushel Builders**

- Timing of fertilizer placement is everything.
- Spend time in the corn at least weekly.
- Let soil and leaf tissue tests guide product use.

### Second Place

#### **CHAD HENDERSON** Madison, AL

**333.0382 bu./acre**  
**AgriGold A643-52VT2**  
**Harvest Population: 38,000**  
**Harvester: John Deere S690**

#### **SUPERVISORS**

**Eddie McGriff:** Regional Extension Agent, Alabama Cooperative Extension  
**Mark Hall:** County Extension Agent, Alabama Cooperative Extension

The fifth-generation Henderson farm family and their Sanderson cousins in northern Alabama continue to sharpen their crop productivity practices since Henderson farms began adding irrigation a decade ago.

It was another banner year despite hot and dry weather, as Chad won state and captured second nationally with his Conventional Irrigated entry of 333 bu./acre—achieved with only 11 inches of irrigation. His son Jackson took second in the Alabama Conventional Non-Irrigated class (159 bu./acre), and his dad Mike also earned a state second place in Strip-Till Non-Irrigated class (216 bu./acre). Chad also owns the current Alabama record yield of 355 bu./acre.

"Just like our plots, our farms spread risks by using multiple hybrids in varied tillage practices—from conventional to strip-till and no-till—that spread out our planting dates," Henderson says. "We all focus as a team and as individuals in our own divisions—giving us good research and development on various products across our 200 acre lab every year."

Henderson believes in regular soil and tissue testing, poultry manure, and spoon-feeding the right nutrients using Y-Drops or irrigation before the plants know they need it. "With enough experience, you can be proactive and provide the right nutrients, biologicals or plant growth regulators before they become deficient," he adds.

He also relies on bouncing ideas off of like-minded peers as a member of XtremeAg farm. Henderson helped co-found this farmer group with the overall goal to share proven crop production success. "These guys help make such results possible," he says.

### Third Place

#### **TRAVIS NELSON** Elwood, UT

**332.1561 bu./acre**  
**Pioneer P0908AML**  
**Harvest Population: 37,500**  
**Harvester: CaseIH 7240 Axial Flow**

#### **SUPERVISOR**

**Mike Pace:** County Director, Utah State Extension  
**Barbie Hall:** Program Technician, Farm Service Agency

The NCGA yield contest has been a family affair since the 1980s among the northern Utah Nelson's family. This year, Travis, his brother Keenan and his son Braydan swept the top three state spots in the Conventional Irrigated category, with Travis' 332 bu./acre achieving third nationally.

"My dad, brother and I have numerous state awards, and it's amazing to see how far yields have come, comparing my 332 bushels per acre today with my dad's state winner of 190 bushels back in the '80s," Nelson says.

This year's plot saw an unusual five inches of rain and cooler temperatures in August followed by a hot and dry spell in September. "Turned out it was a good year to go for top yields with more fertilizer," he adds.

Nelson flood irrigates his corn every other week based on their water allotment. He works closely with Intermountain Farmers Association agronomist Daniel Reeder using soil samples and a petiole test to optimize fertilizer and water timing. The plot received 100 units of nitrogen preplant, followed by a sidedress of 100 to 150 units nitrogen and phosphate on 5- to 6-inch tall corn. "We also added a little ammonia on one irrigation to see if we could make a winner, and I guess it worked," he says.

"We try to shoot for a farm average of 200 bushels per acre, then use our NCGA yield plot to try new things. Over the years, these plots helped us realize the importance of putting fertilizer where the corn doesn't have to search for it."

| Yield | Hybrid Brand/ No. | Traits | Seed Treatment | Harvest Population | Insecticide | Herbicide | Fungicide | N/P/K | Planter/Harvester |
|-------|-------------------|--------|----------------|--------------------|-------------|-----------|-----------|-------|-------------------|
|-------|-------------------|--------|----------------|--------------------|-------------|-----------|-----------|-------|-------------------|

## I: CONVENTIONAL IRRIGATED

### ALABAMA

|                                      |          |   |       |   |       |   |                                 |          |            |   |
|--------------------------------------|----------|---|-------|---|-------|---|---------------------------------|----------|------------|---|
| <b>Chad Henderson</b><br>Madison, AL | 333.0382 | AgriGold<br>A643-52VT2                  | VT2   | – | 38000 | – | –                               | –        | 350/0/44   | John Deere 1775 NT<br>John Deere S690             |
| <b>Jesse More</b><br>Aliceville, AL  | 236.3386 | Mission Seed<br>Solutions<br>A1548DGV2P | DGV2P | – | 33100 | – | Capreno, Leadoff<br>Roundup Max | Veltyrna | 300/64/117 | John Deere 1720 CCS Stack-Fold<br>John Deere S780 |

### ARKANSAS

|                                      |          |                         |                          |   |       |   |   |          |             |   |
|--------------------------------------|----------|-------------------------|--------------------------|---|-------|---|---|----------|-------------|---|
| <b>Blake Goodman</b><br>Corning, AR  | 260.0758 | Pioneer<br>P1718VYHR    | AVBL,YGCB,<br>HX1,LL,RR2 | – | 32500 | – | Acuron<br>Atrazine                                  | Trivapro | 550/300/250 | John Deere 1725 CCS Stack-Fold<br>John Deere S690 |
| <b>Scott Young</b><br>Portland, AR   | 252.5392 | Pioneer<br>P1718VYHR    | AVBL,YGCB,<br>HX1,LL,RR2 | – | 32000 | – | –   | –        | 260/90/120  | John Deere 1725 CCS Twin Row<br>John Deere S780   |
| <b>Ryan Sullivan</b><br>Burdette, AR | 239.5473 | AgriGold<br>A6659VT2PRO | VT2PRO                   | – | 36000 | – | Atrazine 4L<br>Dual II Magnum<br>Halex GT, Paraquat | Trivapro | 270/100/100 | John Deere 1720 CCS Stack-Fold<br>John Deere S790 |

### COLORADO

|  |          |                       |          |                          |       |   |                                  |   |           |  |
|--|----------|-----------------------|----------|--------------------------|-------|---|----------------------------------|---|-----------|--|
| <b>Bryan Crites</b><br>Avondale, CO      | 319.0843 | DEKALB<br>DKC63-91RIB | VT2PRIB  | Acceleron+<br>Poncho 250 | 33720 | – | Dicamba<br>Roundup PowerMax      | – | 299/96/0  | Monosem NG Plus 4<br>Case IH 2388        |
| <b>Tony Deschamps</b><br>Wray, CO        | 300.1453 | Pioneer<br>P0817Q™    | Q,LL,RR2 | –                        | 34000 | – | –                                | – | 0/0/0     | Case IH 2140 Early Riser<br>Case IH 8250 |
| <b>Verdis Vieselmeyer</b><br>Holyoke, CO | 298.0869 | Pioneer<br>P1366Q™    | Q,LL,RR2 | Lumivia                  | 35000 | – | AMS, DiFlexx<br>Durango, FulTime | – | 260/60/20 | John Deere 1775 NT<br>John Deere S770    |

### CONNECTICUT

|   |          |                         |       |   |       |   |   |   |             |                               |
|---|----------|-------------------------|-------|---|-------|---|---|---|-------------|-------------------------------|
| <b>Keith Christadore</b><br>Hampton, CT | 274.6205 | Channel<br>203-01STXRIB | SSRIB | – | 33400 | – | – | – | 350/150/245 | Kinze 2500<br>John Deere S670 |
|---|----------|-------------------------|-------|---|-------|---|---|---|-------------|-------------------------------|

### DELAWARE

|  |          |                           |          |           |       |          |                         |   |            |  |
|--|----------|---------------------------|----------|-----------|-------|----------|-------------------------|---|------------|--|
| <b>Dale Ockels</b><br>Milton, DE       | 315.1766 | DEKALB<br>DKC62-53RIB     | VT2PRIB  | Acceleron | 40000 | Ethos XB | Harness Plus<br>Roundup | – | 200/0/0    | Case IH 1255 Front-Fold Early Riser<br>Case IH Axial Flow 7230 |
| <b>Michael Wicks</b><br>Middletown, DE | 294.3026 | Dyna-Gro<br>D54VC14RIB    | VT2P-RIB | Acceleron | 38000 | –        | –                       | – | 280/25/100 | Case IH 2130<br>John Deere 9560 STS                            |
| <b>Clarence Dempsey</b><br>Dover, DE   | 293.1312 | Hubner Seeds<br>H4744RC2P | VT2PRIB  | –         | 34000 | –        | –                       | – | 0/0/0      | John Deere 1770NT<br>John Deere S680                           |

### FLORIDA

|                                   |          |                            |                          |                          |       |   |                              |   |            |  |
|-----------------------------------|----------|----------------------------|--------------------------|--------------------------|-------|---|------------------------------|---|------------|--|
| <b>Gary Cone</b><br>Jennings, FL  | 287.2382 | AgriGold<br>A6659VT2PRO    | VT2PRO                   | Acceleron+<br>Poncho 250 | 31700 | – | Atrazine<br>Roundup PowerMax | – | 265/90/400 | Monosem Twin Row<br>John Deere 9570    |
| <b>Seth Adams</b><br>Jennings, FL | 244.6662 | Pioneer<br>P1847VYHR       | AVBL,YGCB,<br>HX1,LL,RR2 | Poncho 250               | 30000 | – | Atrazine<br>Dual             | – | 240/80/250 | John Deere 1720<br>John Deere 9670 STS |
| <b>Mike Adams</b><br>Jennings, FL | 222.0724 | AgriGold<br>A646-12 VT2PRO | VT2PRO                   | Acceleron+<br>Poncho 250 | 29000 | – | Atrazine                     | – | 240/80/250 | John Deere 1720<br>John Deere 9670 STS |

### GEORGIA

|   |          |                     |      |                          |       |         |                          |          |             |  |
|---|----------|---------------------|------|--------------------------|-------|---------|--------------------------|----------|-------------|--|
| <b>Jonathan Hitchcock</b><br>Tennille, GA | 324.6893 | DEKALB<br>DKC62-06  | CONV | Acceleron+<br>Poncho 250 | 35885 | Besiege | Atrazine 90 DF<br>Laudis | Trivapro | 250/100/225 | John Deere 1725 Integral Stack-Fold<br>John Deere S780 |
| <b>Russ Williams</b><br>Arlington, GA     | 253.2436 | Dyna-Gro<br>D58VC65 | VT2P | –                        | 28750 | –       | –                        | –        | 300/110/250 | John Deere 1700 MaxEmerge XP<br>John Deere 9670 STS    |

### IOWA

|  |          |                           |        |   |       |   |  |   |         |                                       |
|--|----------|---------------------------|--------|---|-------|---|--|---|---------|---------------------------------------|
| <b>Larry Schleisman</b><br>Lake City, IA | 298.8300 | AgriGold<br>A639-70STXRIB | STXRIB | LumiGEN™ 2020<br>High Rate; Poncho<br>1250+Votivo | 33500 | – | Anthem MAXX, Gly Star<br>Status, Verdict | – | 250/0/0 | John Deere 1775 NT<br>John Deere S780 |
|--|----------|---------------------------|--------|---|-------|---|--|---|---------|---------------------------------------|

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

|  |          |                                   |                          |   |       |            |  |   |             |   |
|--|----------|-----------------------------------|--------------------------|---|-------|------------|--|---|-------------|---|
| <b>Brandy Winter</b><br>Lake City, IA        | 287.9828 | DEKALB<br>DKC64-64RIB             | SS                       | Acceleron   | 33500 | –          | Anthem MAXX, Gly Star<br><a href="#">Status, Verdict</a> | –   | 50/0/0      | John Deere 1775 NT<br>John Deere S780                       |
| <b>Melissa Schleisman</b><br>Lake City, IA   | 277.1781 | Channel<br>216-36STXRIB           | SSRIB                    | Acceleron   | 33500 | –          | Anthem MAXX, Gly Star<br><a href="#">Status, Verdict</a> | –   | 50/0/0      | John Deere 1775 NT<br>John Deere S780                       |
| <b>IDAHO</b>                                 |          |                                   |                          |   |       |            |  |   |             |   |
| <b>Mike Moyle</b><br>Star, ID                | 305.5313 | <a href="#">Pioneer P1055Q7M*</a> | Q,LL,RR2                 | LumiGEN™<br>2020 Premium                          | 40000 | –          | Atrazine 4F, Clarity<br>Roundup PowerMax                 | –   | 325/40/30   | Monosem MS Single Row<br>John Deere 9600                    |
| <b>Garrett Lott</b><br>King Hill, ID         | 296.5620 | <a href="#">Pioneer P0157AM™</a>  | AM,LL,RR2                | –   | 45000 | –          | AMS, Prowl<br>Roundup, <a href="#">Status</a>            | –   | 221/52/0    | John Deere 7300<br>John Deere 9750 STS                      |
| <b>Michael Potucek</b><br>King Hill, ID      | 286.5818 | <a href="#">Pioneer P9998Q™</a>   | Q,LL,RR2                 | Poncho 1250                                       | 38000 | Onager     | Roundup PowerMax<br><a href="#">Status, Surpass</a>      | –   | 310/50/50   | John Deere 1735<br>John Deere S670                          |
| <b>ILLINOIS</b>                              |          |                                   |                          |   |       |            |  |   |             |   |
| <b>Phillip Friedrich</b><br>Green Valley, IL | 310.6001 | DEKALB<br>DKC67-94                | VT2P                     | Poncho 500  | 38000 | –          | Acuron, Bicep<br>Infantry 4L                             | –   | 300/40/60   | John Deere DB66<br>John Deere S770                          |
| <b>Scott Miller</b><br>Tamm, IL              | 298.6229 | DEKALB<br>DKC70-27RIB             | VT2PRIB                  | Acceleron+<br>Poncho 250                          | 42500 | Lambda-Cy  | Acuron<br>Glyphosate                                     | <a href="#">Headline AMP</a><br>Lucento, Trivapro | 386/271/128 | Kinze 3650<br>John Deere 9670 STS                           |
| <b>Kristen Spangler</b><br>Green Valley, IL  | 296.0287 | <a href="#">Pioneer P1563Q™</a>   | Q,LL,RR2                 | –   | 33000 | –          | –  | –   | 270/50/60   | John Deere 1770 NT CCS<br>John Deere S770                   |
| <b>INDIANA</b>                               |          |                                   |                          |   |       |            |  |   |             |   |
| <b>Brooks Cardinal</b><br>Oaktown, IN        | 309.6519 | AgriGold<br>A6659VT2PRO           | VT2PRO                   | Poncho 500  | 36000 | –          | –  | –   | 285/140/160 | John Deere 1775 NT<br>John Deere S780                       |
| <b>Kathy Little</b><br>Hebron, IN            | 286.2328 | <a href="#">Pioneer P1136AM™</a>  | AM,LL,RR2                | LumiGEN™<br>2020 Premium                          | 39000 | Aztec 2.1G | Abundit Edge<br>Cinch ATZ, <a href="#">Status</a>        | <a href="#">Headline AMP</a><br>Veltyrna          | 272/54/18   | John Deere 7200<br>Case IH Axial Flow 7250                  |
| <b>Jerry Cardinal</b><br>Oaktown, IN         | 285.7915 | AgriGold<br>A645-16VT2PRO         | VT2PRO                   | Poncho 500  | 36000 | –          | –  | –   | 265/160/150 | John Deere 1775NT<br>John Deere S780                        |
| <b>KANSAS</b>                                |          |                                   |                          |   |       |            |  |   |             |   |
| <b>Alex Noll</b><br>Winchester, KS           | 295.3065 | DEKALB<br>DKC70-27RIB             | VT2PRIB                  | Acceleron+<br>Poncho 250                          | 35000 | –          | –  | –   | 0/0/0       | John Deere 1775 Flex<br>Case IH Axial Flow 9250             |
| <b>Todd Cyr</b><br>Clyde, KS                 | 283.7542 | <a href="#">Pioneer P1718AML™</a> | AML,LL,RR2               | LumiGEN™ 2020<br>High Rate; Poncho<br>1250+Votivo | 32000 | –          | –  | –   | 0/0/0       | John Deere 1760 MaxEmerge<br>Plus Vacuum<br>John Deere S680 |
| <b>KENTUCKY</b>                              |          |                                   |                          |   |       |            |  |   |             |   |
| <b>Dennis McKay</b><br>Owensboro, KY         | 258.6555 | AgriGold<br>A645-16VT2RIB         | VT2RIB                   | –   | 38000 | –          | –  | –   | 250/250/350 | John Deere 1770 NT CCS<br>John Deere S680                   |
| <b>Nick Stephens</b><br>Owensboro, KY        | 248.6193 | AgriGold<br>A645-16VT2RIB         | VT2RIB                   | –   | 34000 | –          | –  | –   | 190/0/0     | John Deere 1770 NT CCS<br>John Deere S670                   |
| <b>LOUISIANA</b>                             |          |                                   |                          |   |       |            |  |   |             |   |
| <b>John Moroni</b><br>Winnsboro, LA          | 255.9464 | Dyna-Gro<br>D54RR14               | RR2                      | Cruiser 5FS                                       | 33000 | –          | –  | –   | 250/60/80   | John Deere 1720 MaxEmerge XP<br>John Deere S670             |
| <b>Billy Lee</b><br>Tallulah, LA             | 255.2642 | <a href="#">Pioneer P1718VYHR</a> | AVBL,YGCB,<br>HX1,LL,RR2 | –   | 34000 | –          | –  | –   | 270/30/60   | John Deere 1775NT<br>John Deere S780                        |
| <b>MASSACHUSETTS</b>                         |          |                                   |                          |   |       |            |  |   |             |   |
| <b>William Lewelyn</b><br>Northfield, MA     | 299.2536 | Channel<br>199-29STXRIB           | SSRIB                    | Acceleron+<br>Poncho 250                          | 50000 | –          | Capreno  | –   | 220/37/230  | John Deere 7200 MaxEmerge<br>2 Vacuum<br>John Deere 9500    |

| Yield | Hybrid Brand/ No. | Traits | Seed Treatment | Harvest Population | Insecticide | Herbicide | Fungicide | N/P/K | Planter/ Harvester |
|-------|-------------------|--------|----------------|--------------------|-------------|-----------|-----------|-------|--------------------|
|-------|-------------------|--------|----------------|--------------------|-------------|-----------|-----------|-------|--------------------|

## I: CONVENTIONAL IRRIGATED

### MARYLAND

|  |          |                         |            |                          |       |            |   |                        |           |  |
|--|----------|-------------------------|------------|--------------------------|-------|------------|---|------------------------|-----------|--|
| <b>William Rigdon</b><br>Jarrettsville, MD | 322.3502 | DEKALB<br>DKC59-82RIB   | VT2PRIB    | Acceleron+<br>Poncho 250 | 38000 | –          | –   | –                      | 0/0/0     | John Deere 1770NT CCS ProXP<br>John Deere 9670 STS |
| <b>Doug Scott</b><br>Hurlock, MD           | 282.5409 | Pioneer<br>P1718AML™    | AML,LL,RR2 | LumiGEN™<br>2020 Premium | 34000 | Bifenthrin | 2,4-D, Ethos XB<br>Glystar Plus<br>Princep 4L, Resicore | Miravis<br>Atrazine 4L | 280/20/20 | John Deere 1790 CCS<br>John Deere S670             |
| <b>Michael Wood</b><br>Denton, MD          | 270.0761 | Hubner Seeds<br>H09G056 | DGVT2P     | Acceleron                | 33000 | –          | –   | –                      | 250/0/400 | Kinze 3650<br>Case IH 7010                         |

### MICHIGAN

|                                      |          |                            |                  |                          |       |        |                         |          |             |                                      |
|--------------------------------------|----------|----------------------------|------------------|--------------------------|-------|--------|-------------------------|----------|-------------|--------------------------------------|
| <b>Jake Drozd</b><br>Allegan, MI     | 296.6085 | Pioneer<br>P0953AM™        | AM,LL,RR2        | –                        | 41500 | –      | Capreno<br>Cinch ATZ    | Veltyrna | 365/100/300 | John Deere 1770NT<br>John Deere S780 |
| <b>Nathan Baker</b><br>Waldron, MI   | 281.5891 | Golden Harvest<br>G12S75-D | Duracade<br>5122 | Avicta                   | 35000 | –      | –                       | –        | 240/60/240  | John Deere 1770NT<br>John Deere S780 |
| <b>Andy Brossman</b><br>Vandalia, MI | 278.4440 | Pioneer<br>P0732Q™         | Q,LL,RR2         | LumiGEN™<br>2020 Premium | 35000 | Fastac | AMS, Halex GT<br>Induce | Veltyrna | 280/50/100  | John Deere 1775NT<br>John Deere 9770 |

### MINNESOTA

|  |          |                        |           |   |       |   |   |          |            |   |
|--|----------|------------------------|-----------|---|-------|---|---|----------|------------|---|
| <b>Kevin Bauer</b><br>Hastings, MN           | 324.1911 | Pioneer<br>P0953AM™*   | AM,LL,RR2 | LumiGEN™ 2020<br>High Rate; Poncho<br>1250+Votivo | 34500 | – | AAtrex 4L, Callisto<br>Dual II, Durango     | Veltyrna | 235/95/100 | John Deere DB60<br>John Deere S780      |
| <b>Paul Beskau</b><br>Hastings, MN           | 283.7664 | Pioneer<br>P0924Q™     | Q,LL,RR2  | LumiGEN™ 2020<br>High Rate; Poncho<br>1250+Votivo | 34000 | – | Callisto<br>Keystone LA<br>Roundup PowerMax | Veltyrna | 230/25/120 | Case IH 1265 Front-Fold<br>Case IH 8250 |
| <b>Allen Jake Bauerly</b><br>Sauk Rapids, MN | 272.7845 | Dyna-Gro<br>D44SS54RIB | SS-RIB    | Acceleron+<br>Poncho 250                          | 39000 | – | –   | –        | 0/0/0      | John Deere DB66<br>Claas Lexion 760     |

### MISSOURI

|  |          |                       |           |   |       |   |           |          |             |   |
|--|----------|-----------------------|-----------|---|-------|---|-----------|----------|-------------|---|
| <b>Tory Meyr</b><br>Jackson, MO        | 310.8408 | DEKALB<br>DKC62-89RIB | TRE       | – | 36000 | – | SureStart | Veltyrna | 276/175/125 | Case IH 1235 Stackbar Early Riser<br>Case IH 7230 |
| <b>Craig Sutter</b><br>Maywood, IA     | 299.4744 | Pioneer<br>P1077AM™   | AM,LL,RR2 | – | 34000 | – | –         | –        | 260/90/90   | John Deere 1770 NT CCS<br>John Deere 9770 STS     |
| <b>Stephen Sutter</b><br>Muscatine, IA | 298.4953 | Pioneer<br>P1359AM™   | AM,LL,RR2 | – | 34000 | – | –         | –        | 260/90/90   | John Deere 1770 NT CCS<br>John Deere 9770 STS     |

### MISSISSIPPI

|                                     |          |                            |         |                          |       |   |  |          |            |   |
|-------------------------------------|----------|----------------------------|---------|--------------------------|-------|---|--|----------|------------|---|
| <b>Adron Belk</b><br>Greenwood, MS  | 272.3834 | DEKALB<br>DKC70-27         | VT2P    | –                        | 38000 | – | Atrazine<br>Halex GT                           | –        | 0/0/0      | John Deere 1725 Integral<br>Stack-Fold<br>John Deere S780 |
| <b>Jodie More</b><br>Aliceville, AL | 262.5644 | DEKALB<br>DKC68-69 VT2PRIB | VT2PRIB | Acceleron+<br>Poncho 250 | 33300 | – | Atrazine, Capreno<br>Leadoff, Roundup PowerMax | Veltyrna | 300/64/117 | John Deere 1720 CCS Stack-Fold<br>John Deere S780         |

### MONTANA

|                                       |          |                     |           |   |       |   |  |   |             |  |
|---------------------------------------|----------|---------------------|-----------|---|-------|---|--|---|-------------|--|
| <b>Bart Icopini</b><br>Hysham, MT     | 270.2626 | Pioneer<br>P9489AM™ | AM,LL,RR2 | LumiGEN™ 2020<br>High Rate; Poncho<br>1250+Votivo | 38000 | – | DiFlexx, Verdict<br>Roundup PowerMax<br>Roundup RT3, Warrant | – | 222/100/120 | Monosem NG Plus<br>Case IH 9230                |
| <b>John Yerger</b><br>Hardin, MT      | 267.4800 | DEKALB<br>DKC46-18  | RR2       | Acceleron+<br>Poncho 250                          | 37500 | – | –  | – | 260/100/15  | John Deere 7300 MaxEmerge 2<br>John Deere S670 |
| <b>Brett Swartz</b><br>Ballantine, MT | 254.3421 | Pioneer<br>P9489AM™ | AM,LL,RR2 | –   | 41000 | – | –  | – | 0/0/0       | Monosem NG Plus 4<br>John Deere S670           |

| Yield  | Hybrid Brand/ No.                      | Traits           | Seed Treatment            | Harvest Population | Insecticide | Herbicide                                     | Fungicide            | N/P/K       | Planter/Harvester   |
|--|--|------------------|---------------------------|--------------------|-------------|---|----------------------|-------------|---|
| <b>I: CONVENTIONAL IRRIGATED</b>                 |  |                  |                           |                    |             |   |                      |             |   |
| <b>NORTH CAROLINA</b>                            |  |                  |                           |                    |             |   |                      |             |   |
| <b>Chase &amp; Allan Harris</b><br>Snow Hill, NC | 277.2802<br>DEKALB<br>DKC68-69RIB      | VT2PRIB          | Poncho 1250               | 40000              | -           | -   | -                    | 350/0/300   | John Deere 1725 Integral Stack-Fold, John Deere S680          |
| <b>Harbert Moore</b><br>Red Springs, NC          | 256.2349<br>DEKALB<br>DKC68-69         | VT2P             | -                         | 35000              | -           | -   | -                    | 0/0/0       | John Deere 1720<br>John Deere 9760 STS                        |
| <b>NORTH DAKOTA</b>                              |  |                  |                           |                    |             |   |                      |             |   |
| <b>Chad Vander Vorst</b><br>Pollock, SD          | 293.5018<br>Pioneer<br>P9540AM™        | AM,LL,RR2        | Poncho 250+<br>Raxil      | 37500              | -           | Volley ATZ Lite                               | -                    | 255/56/150  | Case IH 1265 Front-Fold<br>Case IH 8240                       |
| <b>Bobby Frauenberg</b><br>Lamoure, ND           | 282.3039<br>DEKALB<br>DKC39-55RIB      | VT2P             | Amplify D+<br>Poncho 1250 | 36000              | -           | Laudis  | -                    | 250/200/200 | John Deere DB66<br>Case IH 9230                               |
| <b>Steve Knorr</b><br>Coleharbor, ND             | 205.3230<br>Golden Harvest<br>G80Q01-V | Viptera<br>3220A | -                         | 33000              | -           | -   | -                    | 200/73/55   | John Deere 1770NT<br>John Deere S690                          |
| <b>NEBRASKA</b>                                  |  |                  |                           |                    |             |   |                      |             |   |
| <b>Dalton Peterson</b><br>Bertrand, NE           | 336.7485<br>Pioneer<br>P1718AML™       | AML,LL,RR2       | -                         | 34000              | -           | -   | -                    | 250/45/0    | John Deere DR16<br>John Deere X9                              |
| <b>Samuel Morse</b><br>Columbus, NE              | 324.2115<br>Pioneer<br>P1359AM™        | AM,LL,RR2        | LumiGEN™<br>2020 Premium  | 32500              | -           | Acuron<br>Roundup GLY                         | Trivapro             | 255/0/0     | John Deere 1720 Stack-Fold<br>MaxEmerge Plus, John Deere S670 |
| <b>Blake Johnson</b><br>Holdrege, NE             | 322.8159<br>Pioneer<br>P1185AM™        | AM,LL,RR2        | -                         | 34000              | -           | Abundit Edge<br>Dicamba, FullTime<br>Resicore | Headline SC<br>Xyway | 228/33/0    | Planterworx HS1630<br>Claas Lexion 8600                       |
| <b>NEW HAMPSHIRE</b>                             |  |                  |                           |                    |             |   |                      |             |   |
| <b>Jack Letourneau</b><br>Northfield, MA         | 243.1622<br>Channel<br>199-29STXRIB    | SSRIB            | Acceleron+<br>Poncho 250  | 36000              | -           | Capreno                                       | -                    | 220/37/230  | John Deere 7200 MaxEmerge<br>2 Vacuum, John Deere 9500        |
| <b>NEW JERSEY</b>                                |  |                  |                           |                    |             |   |                      |             |   |
| <b>Robert Santini</b><br>Phillipsburg, NJ        | 203.5966<br>Pioneer<br>P1136AM™        | AM,LL,RR2        | -                         | 38000              | -           | Acuron<br>Roundup PowerMax                    | Headline AMP         | 0/0/0       | John Deere 1795<br>John Deere S760                            |
| <b>NEW MEXICO</b>                                |  |                  |                           |                    |             |   |                      |             |   |
| <b>Jared Gordon</b><br>Dalhart, TX               | 288.8906<br>Pioneer<br>P1572AM™        | AM,LL,RR2        | -                         | 32000              | -           | -   | -                    | 300/40/25   | John Deere 1770 NT CCS<br>Case IH 8250                        |
| <b>NEVADA</b>                                    |  |                  |                           |                    |             |   |                      |             |   |
| <b>Nathan Wadsworth</b><br>Fallon, NV            | 187.6913<br>Pioneer<br>P0046AM™        | AM,LL,RR2        | -                         | 38000              | -           | Honcho+Roundup                                | -                    | 0/0/0       | John Deere 7200 MaxEmerge<br>2 Vacuum, John Deere 9600        |
| <b>NEW YORK</b>                                  |  |                  |                           |                    |             |   |                      |             |   |
| <b>Paul Campbell</b><br>Nichols, NY              | 246.3809<br>DEKALB<br>DKC51-25RIB      | VT2RIB           | Poncho 500                | 35000              | -           | Roundup PowerMax<br>Yukon                     | Priaxor<br>Veltyma   | 140/36/60   | John Deere 1750 MaxEmerge XP<br>John Deere 6620               |
| <b>OHIO</b>                                      |  |                  |                           |                    |             |   |                      |             |   |
| <b>Justin Haerr</b><br>Springfield, OH           | 302.9453<br>Pioneer<br>P0924Q™         | Q,LL,RR2         | -                         | 35500              | -           | -   | -                    | 270/0/0     | Case IH 2150 Early Riser Front Fold<br>John Deere S780        |
| <b>Greg Waters</b><br>West Lafayette, OH         | 278.9154<br>DEKALB<br>DKC63-90RIB      | SSRIB            | Acceleron                 | 36100              | -           | Callisto, Cinch ATZ<br>Stinger                | Proline<br>Veltyma   | 245/0/60    | Kinze 3800<br>Claas Lexion 750                                |
| <b>Curtis Mohler</b><br>Sidney, OH               | 277.3499<br>Pioneer<br>P1380Q™         | Q,LL,RR2         | -                         | 36000              | -           | Volley ATZ                                    | -                    | 300/100/180 | John Deere 1760 Drawn<br>Wing-Fold Flex<br>Claas Lexion 730   |
| <b>OKLAHOMA</b>                                  |  |                  |                           |                    |             |   |                      |             |   |
| <b>Nathan Johnson</b><br>Boise City, OK          | 299.1813<br>Pioneer<br>P1828AM™        | AM,LL,RR2        | -                         | 30000              | -           | -   | -                    | 280/50/0    | John Deere 1775 NT<br>John Deere 9860 STS                     |

|  | Yield | Hybrid Brand/ No. | Traits | Seed Treatment | Harvest Population | Insecticide | Herbicide | Fungicide | N/P/K | Planter/ Harvester |
|--|-------|-------------------|--------|----------------|--------------------|-------------|-----------|-----------|-------|--------------------|
|--|-------|-------------------|--------|----------------|--------------------|-------------|-----------|-----------|-------|--------------------|

## I: CONVENTIONAL IRRIGATED

|  |          |                            |           |   |       |              |   |                          |             |   |
|--|----------|----------------------------|-----------|---|-------|--------------|---|--------------------------|-------------|---|
| <b>Colby Thrall</b><br>Boise City, OK        | 272.1009 | Pioneer<br>P1828AM™        | AM,LL,RR2 | –   | 34000 | –            | –   | –                        | 300/80/0    | John Deere 1775 NT<br>John Deere S790                           |
| <b>OREGON</b>                                |          |                            |           |   |       |              |   |                          |             |   |
| <b>Vern Frederickson</b><br>Boardman, OR     | 320.7919 | Pioneer<br>P0953AM™        | AM,LL,RR2 | –   | 45000 | –            | Atrazine<br>Roundup PowerMax<br>Zidua       | –                        | 150/0/0     | John Deere 7340<br>John Deere S780                              |
| <b>Adriana Ramirez</b><br>Hermiston, OR      | 301.3274 | Pioneer<br>P0953AM™        | AM,LL,RR2 | LumiGEN™<br>2020 Premium                          | 37647 | –            | Callisto, Induce<br>Makaze                  | –                        | 295/12/0    | John Deere 1700<br>MaxEmerge Vacuum<br>John Deere S690          |
| <b>Emily Taylor</b><br>Boardman, OR          | 290.9535 | Pioneer<br>P1185AM™        | AM,LL,RR2 | Cruiser+<br>Herculex I                            | 37800 | –            | Dual II Magnum<br>Gly Star Plus             | –                        | 300/0/12    | John Deere 1760NT<br>John Deere 9760 STS                        |
| <b>PENNSYLVANIA</b>                          |          |                            |           |   |       |              |   |                          |             |   |
| <b>Doug Scipioni</b><br>Newmanstown, PA      | 286.4500 | Pioneer<br>P1222AM™        | AM,LL,RR2 | confidential                                      | 36000 | –            | –   | –                        | 200/0/30    | John Deere 1750 MaxEmerge<br>Plus Vacuum, Gleaner R52           |
| <b>Ernest Mast</b><br>Morgantown, PA         | 232.3556 | Pioneer<br>P1108Q™         | Q,LL,RR2  | Poncho 250  | 35000 | Lambda T     | Balance Flexx<br>Trizmet                    | –                        | 280/70/237  | John Deere 1750 MaxEmerge<br>Plus Vacuum<br>John Deere 9870 STS |
| <b>SOUTH CAROLINA</b>                        |          |                            |           |   |       |              |   |                          |             |   |
| <b>Tate Jameson</b><br>Orangeburg, SC        | 288.3429 | DEKALB<br>DKC70-27         | VT2P      | Amplify L+<br>Poncho 250                          | 35000 | Counter 20 G | Atrazine<br>Roundup PowerMax                | –                        | 275/0/125   | John Deere 1705<br>Case IH 7140                                 |
| <b>SOUTH DAKOTA</b>                          |          |                            |           |   |       |              |   |                          |             |   |
| <b>Kory Standy</b><br>Platte, SD             | 291.5221 | DEKALB<br>DKC59-82RIB      | VT2PRIB   | –   | 37000 | –            | –   | Veltyrna                 | 250/55/25   | John Deere 1775 NT<br>Case IH 6130                              |
| <b>Samuel Waldner</b><br>Huron, SD           | 281.5922 | Beck's Hybrids<br>5699VT2P | VT2P      | –   | 35000 | –            | –   | –                        | 325/100/0   | John Deere 1760 MaxEmerge<br>Plus Vacuum, John Deere S680       |
| <b>Jerome Poeschl</b><br>Yankton, SD         | 278.0296 | Pioneer<br>P1366AM™        | AM,LL,RR2 | Lumivia   | 34000 | –            | Callisto Xtra, Resicore<br>Callisto+Roundup | –                        | 300/100/80  | John Deere 1775NT<br>John Deere S780                            |
| <b>TENNESSEE</b>                             |          |                            |           |   |       |              |   |                          |             |   |
| <b>Jason &amp; Jared Hill</b><br>Decherd, TN | 293.7713 | DEKALB<br>DKC67-44         | VT2P      | Poncho 500  | 38000 | –            | Halex GT                                    | –                        | 300/200/200 | John Deere 1770<br>John Deere S670                              |
| <b>Erin Reed</b><br>Elora, TN                | 293.3058 | DEKALB<br>DKC67-44         | VT2P      | –   | 37000 | –            | –   | –                        | 0/0/0       | John Deere 1775 NT<br>John Deere S660                           |
| <b>Elwin Tanner</b><br>Union City, TN        | 283.5456 | DEKALB<br>DKC70-27RIB      | VT2PRIB   | Acceleron   | 32800 | Ethos XB     | Laudis                                      | Veltyrna                 | 265/0/35    | Case IH 2150 Early Riser Front Fold<br>Case IH 8250             |
| <b>TEXAS</b>                                 |          |                            |           |   |       |              |   |                          |             |   |
| <b>Jody Bezner</b><br>Texline, TX            | 325.5898 | Pioneer<br>P1572AM™        | AM,LL,RR2 | –   | 33000 | –            | –   | –                        | 325/100/40  | John Deere 1770 NT CCS<br>Case IH 6140                          |
| <b>Wesley Miller</b><br>Stratford, TX        | 285.0930 | Pioneer<br>P1366Q™         | Q,LL,RR2  | LumiGEN™ 2020<br>High Rate; Poncho<br>1250+Votivo | 30865 | –            | –   | –                        | 185/55/17   | John Deere 1795<br>Claas Lexion 8600                            |
| <b>David Caudell</b><br>Hearne, TX           | 212.2502 | Pioneer<br>P1197           | CONV      | –   | 30000 | –            | Atrazine 4L<br>Dual Magnum<br>Explorer      | Quadris<br>Trivapro<br>– | 274/52/26   | John Deere 1720<br>John Deere S770                              |
| <b>UTAH</b>                                  |          |                            |           |   |       |              |   |                          |             |   |
| <b>Travis Nelson</b><br>Elwood, UT           | 332.1561 | Pioneer<br>P0908AML™       | AM,LL,RR2 | –   | 37500 | Zeal         | Roundup<br>Sterling Blue                    | –                        | 275/100/0   | Case IH 1260 Front-Fold Early Riser<br>Case IH 7240             |
| <b>Keenan Nelson</b><br>Tremonton, UT        | 324.8927 | Pioneer<br>P1055Q™*        | Q,LL,RR2  | –   | 37500 | Zeal         | Roundup<br>Sterling Blue                    | –                        | 275/100/0   | Case IH 1260 Front-Fold Early Riser<br>Case IH 7240             |

| Yield  | Hybrid Brand/ No. | Traits                  | Seed Treatment | Harvest Population                                | Insecticide | Herbicide | Fungicide   | N/P/K   | Planter/Harvester |  |
|--|-------------------|-------------------------|----------------|---|-------------|-----------|---|---------|-------------------|--|
| <b>I: CONVENTIONAL IRRIGATED</b>                     |                   |                         |                |   |             |           |   |         |                   |  |
| <b>Braydan Nelson</b><br>Tremonton, UT               | 322.5262          | Pioneer<br>P0908AML™    | AM,LL,RR2      | —   | 37500       | Zeal      | Roundup<br>Sterling Blue                          | —       | 275/100/0         | Case IH 1260 Front-Fold Early Riser<br>Case IH 7240            |
| <b>VIRGINIA</b>                                      |                   |                         |                |   |             |           |   |         |                   |  |
| <b>Robert Newcomb</b><br>Hanover, VA                 | 317.0544          | Pioneer<br>P1718AML™    | AML,LL,RR2     | Poncho 1250                                       | 34000       | —         | Bicep II Magnum<br>Halex GT, Princep 4L           | —       | 300/60/300        | Kinze 3600<br>Case IH 8240                                     |
| <b>Edwin Mills</b><br>Hanover, VA                    | 303.4964          | Pioneer<br>P1847AML™*   | AML,LL,RR2     | —   | 30000       | —         | AAtrex, Gramoxone<br>Keystone, Realm Q<br>Roundup | —       | 300/30/260        | Kinze 3660<br>John Deere 9770                                  |
| <b>JR Newcomb</b><br>Hanover, VA                     | 290.9850          | Pioneer<br>P1289AM™     | AM,LL,RR2      | Poncho 1250                                       | 32000       | —         | Bicep II Magnum<br>Halex GT<br>Princep 4L         | —       | 300/60/300        | Kinze 3600<br>Case IH 8240                                     |
| <b>VERMONT</b>                                       |                   |                         |                |   |             |           |   |         |                   |  |
| <b>Brian Llewellyn</b><br>Greenfield, MA             | 232.5938          | Channel<br>197-68STXRIB | SSRIB          | Acceleron+<br>Poncho 250                          | 35000       | —         | Capreno   | —       | 220/37/230        | John Deere 7200 MaxEmerge<br>2 Vacuum, John Deere 9500         |
| <b>WASHINGTON</b>                                    |                   |                         |                |   |             |           |   |         |                   |  |
| <b>Scott Gross</b><br>Warden, WA                     | 306.3463          | DEKALB<br>DKC54-38RIB   | SSRIB          | —   | 37000       | —         | Atrazine 4L, Impact<br>Roundup                    | —       | 220/65/20         | John Deere 1720 CCS Stack-Fold<br>John Deere S780              |
| <b>Boe Clausen</b><br>Warden, WA                     | 283.8375          | DEKALB<br>DKC54-40RIB   | VT2PRIB        | —   | 38000       | —         | DiFlexx<br>Laudis<br>Roundup PowerMax             | —       | 150/0/0           | John Deere 1720 MaxEmerge XP<br>John Deere S680                |
| <b>WISCONSIN</b>                                     |                   |                         |                |   |             |           |   |         |                   |  |
| <b>Jim, Chuck &amp; Mark Fahey</b><br>Belleville, WI | 321.6800          | Pioneer<br>P1185Q™      | Q,LL,RR2       | LumiGEN™ 2020<br>High Rate; Poncho<br>1250+Votivo | 36000       | —         | Acuron Flexi<br>Glyphosate<br>Status              | —       | 260/200/100       | John Deere 1775NT<br>John Deere S670                           |
| <b>Jeff Laskowski</b><br>Plover, WI                  | 298.3897          | DEKALB<br>DKC56-65RIB   | SS             | —   | 38000       | —         | Bicep Lite II Magnum                              | —       | 280/150/200       | John Deere 1770NT<br>John Deere 9560 STS                       |
| <b>Bill Patoka</b><br>Amherst, WI                    | 279.5023          | Pioneer<br>P0421AM™     | AM,LL,RR2      | —   | 38000       | —         | 2,4-D+Atrazine<br>Parallel                        | Priaxor | 220/65/60         | Case IH 2150 Early Riser Front Fold<br>Case IH Axial Flow 6130 |
| <b>WYOMING</b>                                       |                   |                         |                |   |             |           |   |         |                   |  |
| <b>Bryan Greenwald</b><br>Lingle, WY                 | 257.9987          | Pioneer<br>P0339Q™      | Q,LL,RR2       | —   | 36000       | —         | Roundup PowerMax<br>Status                        | —       | 200/100/50        | John Deere 1700<br>MaxEmerge Vacuum<br>Case IH 2588            |
| <b>Cameron Cook</b><br>Torrington, WY                | 241.5925          | Pioneer<br>P0339Q™      | Q,LL,RR2       | —   | 36000       | —         | —   | —       | 200/0/0           | John Deere 1700 MaxEmerge<br>Vacuum, John Deere 9660 STS       |



## 2022 ENTRIES BY STATE

### Affiliated States

|                     |     |
|---------------------|-----|
| Alabama .....       | 26  |
| Arkansas.....       | 71  |
| Colorado.....       | 99  |
| Georgia.....        | 55  |
| Illinois* .....     | 743 |
| Indiana*.....       | 259 |
| Iowa* .....         | 956 |
| Kansas.....         | 231 |
| Kentucky .....      | 133 |
| Louisiana .....     | 38  |
| Maryland .....      | 123 |
| Michigan.....       | 573 |
| Minnesota* .....    | 284 |
| Mississippi.....    | 74  |
| Missouri*.....      | 280 |
| Nebraska.....       | 730 |
| New York.....       | 49  |
| North Carolina..... | 164 |
| North Dakota.....   | 45  |
| Ohio* .....         | 337 |
| Oklahoma.....       | 51  |
| Pennsylvania .....  | 112 |
| South Carolina..... | 29  |
| South Dakota.....   | 114 |
| Tennessee .....     | 50  |
| Texas.....          | 39  |
| Virginia .....      | 102 |
| Wisconsin*.....     | 218 |

|                                 |              |
|---------------------------------|--------------|
| <b>Unaffiliated States.....</b> | <b>352</b>   |
| <b>Total Entrants .....</b>     | <b>6,337</b> |

### Average Yield Avg. Harvest Pop.

|                     |          |
|---------------------|----------|
| <b>All Entrants</b> | 262,7586 |
|                     | 33,853   |

|                         |          |
|-------------------------|----------|
| <b>National Winners</b> | 340,7245 |
|                         | 37,164   |

### Row Spacing

|      |
|------|
| <30" |
| 30"  |
| 36"  |
| 38"  |
| 40"  |

|                      |      |
|----------------------|------|
| <b>% of Entrants</b> | 6%   |
|                      | 90%  |
|                      | 2%   |
|                      | 2%   |
|                      | .17% |

|                      |     |
|----------------------|-----|
| <b>% of Entrants</b> | 8%  |
|                      | 92% |
|                      | 0%  |
|                      | 0%  |
|                      | 0%  |

### Average Fertilizer Use

|                    |     |
|--------------------|-----|
| Nitrogen (lbs)     | 185 |
| Phosphorus (lbs)   | 54  |
| Potash (lbs)       | 76  |
| Trace Elements (%) | 42% |
| Manure (%)         | 18% |

### All Entrants

|     |
|-----|
| 185 |
| 54  |
| 76  |
| 42% |
| 18% |

### National Winners

|     |
|-----|
| 203 |
| 49  |
| 25  |
| 45% |
| 23% |

### Timing of Nitrogen Fertilizer Application

|                      |
|----------------------|
| Fall (%)             |
| Spring Pre-Plant (%) |
| At Planting (%)      |
| Side Dress (%)       |

|     |
|-----|
| 12% |
| 31% |
| 49% |
| 76% |

|     |
|-----|
| 7%  |
| 60% |
| 45% |
| 45% |

|                            |      |
|----------------------------|------|
| <b>Starter (%)</b>         | 68%  |
| <b>Surface Applied (%)</b> | 54%  |
| <b>Incorporated (%)</b>    | 63%  |
| <b>Irrigation (%)</b>      | 17%  |
| <b>Nitrogen/bu. (lbs)</b>  | 0.89 |

|      |
|------|
| 68%  |
| 54%  |
| 63%  |
| 17%  |
| 0.89 |

|      |
|------|
| 60%  |
| 56%  |
| 48%  |
| 15%  |
| 0.85 |

### Soil Test (%)

|     |
|-----|
| 65% |
|-----|

|     |
|-----|
| 60% |
|-----|

### Previous Crop

|                 |
|-----------------|
| Corn (%)        |
| Soybeans (%)    |
| Wheat (%)       |
| Alfalfa/Hay (%) |
| Other (%)       |

|     |
|-----|
| 23% |
| 67% |
| 3%  |
| 1%  |
| 7%  |

|     |
|-----|
| 33% |
| 63% |
| 1%  |
| 0%  |
| 0%  |

## Sustainability Practices

|  | Yes                | No                 |
|--|--------------------|--------------------|
| Are cover crops planted on any portion of your farming operation?....    | 3,199 – <b>50%</b> | 3,138 – <b>50%</b> |
| Are you actively reducing tillage practices? .....                       | 5,104 – <b>81%</b> | 1,233 – <b>19%</b> |
| Do you have an active integrated pest management plan?.....              | 4,638 – <b>73%</b> | 1,699 – <b>27%</b> |
| Are you an integrated crop & livestock operation utilizing manure? ..... | 2,792 – <b>44%</b> | 3,545 – <b>56%</b> |

## 2022 ENTRIES BY CLASS\*

|  | # of Entrants | Winning Yield |
|--|---------------|---------------|
| A: Conventional Non-Irrigated.....                       | 536           | 394.0485      |
| B: Conventional Non-Irrigated* .....                     | 1,318         | 366.3266      |
| C: No-Till Non-Irrigated.....                            | 513           | 384.8359      |
| D: No-Till Non-Irrigated*.....                           | 497           | 355.7383      |
| E: Strip-, Min.-, Mulch-, Ridge-Till Non-Irrigated.....  | 375           | 324.9897      |
| F: Strip-, Min.-, Mulch-, Ridge-Till Non-Irrigated*..... | 872           | 360.1445      |
| G: No-Till Irrigated, All States.....                    | 487           | 325.5161      |
| H: Strip-, Min.-, Mulch-, Ridge-Till Irrigated..         | 1,062         | 357.9817      |
| I: Conventional Irrigated.....                           | 677           | 336.7485      |
| <b>Total .....</b>                                       | <b>6,337</b>  |               |

\* Corn Belt States IL IN IA MN MO OH WI

Forty-six states participated in the contest; Fifty seed companies were represented. The 538 State Winners planted 460 hybrid numbers. 6,337 entries represent a total of 838 different hybrids.



**PART  
EXPLORER**



**PART  
SCIENTIST**



**PART  
ARTIST**

**100%  
FARMER**



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