

Daviess



University of Kentucky
College of Agriculture,
Food and Environment
Cooperative Extension Service

County 2021

Research and Demonstration Plots

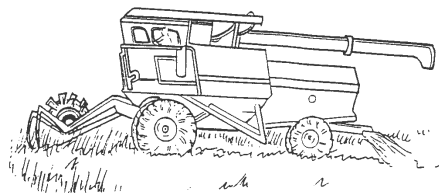
This year's Plot book is dedicated in
memory of David Jackson Sparks
November 26, 1966 - October 21, 2021

**Cooperative Extension Service
Daviess County
4800A New Hartford Road
Owensboro, Kentucky 42303
270-685-8480**

Daviess County Research and Demonstration Plots For the 2021 Growing Season

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Daviess County Cooperative Extension Service
4800A New Hartford Road, Owensboro, Kentucky 42303
Clint Hardy, County Extension Agent for Agriculture and Natural Resources Education



Thank You

Daviess County plays an important role in Kentucky by providing excellent data on variety trials and demonstration plots. The cooperation of area producers and their commitment to research and demonstration work provides reliable information to producers across Kentucky.

Special thanks goes to the cooperators involved in the corn, soybean, and tobacco variety trials and demonstration plots. Their contribution of time and resources are invaluable to the area.

Thanks to Troy Muse, Adult Vocational Agriculture Instructor, for his help in weighing plots and for his collection of data for this report.

A grateful thanks goes to the seed companies and their representatives for providing seed for these plots and the Extension Office Staff Assistants for their outstanding effort in preparing this booklet.

CORN

Gerald & Joel Boswell Farms
Bill Brey Farms
Don & Brian Cecil Farms
Brian Neltner/Settles 3 Chicks
Goetz Brothers Farms
Kevin and Clint Hardy
Jeff Rice
Strode Farms

SOYBEANS

Gerald & Joel Boswell Farms
Don & Brian Cecil Farms
Bittel Farms
Brian Neltner/Settles 3 Chicks
PPJ Thompson Farms
Glenn Thompson

2021 KING CORN

GROWER	COMPANY/BRAND	ACREAGE	YLD/AC
Darrell Hagan Farms	Stewart 13DD360	1.3437	324.96

KING CORN HISTORY

2020	Sparks Farms	DeKalb DKC70-27PRIB	1.3809	309.32
2019	McKay Farms	DeKalb DKC67-44	1.2576	324.09
2018	Knott Farms	AgriGold 6499STXRIB	1.5737	321.17
2017	Knott Farms	AgriGold A6711VT2PRO	1.5544	324.63
2016	Paul Fullenwider Farms	Pioneer P1197AM	1.3912	251.58
2015	Goetz Brothers Farms	Wyffels W7736RIB	1.4967	293.67
2014	Castlen Brothers Farms	Pioneer P2089AM	1.7672	303.26
2013	Castlen Brothers Farms	Pioneer P1602YHR	1.4701	296.01

2021 BOSS BEAN

GROWER	COMPANY/BRAND	ACREAGE	YLD/AC
Goetz Brothers Farms	Asgrow AG36X6	4.0220	112.03

BOSS BEAN HISTORY

2020	Ken-Maur Farms	AgriGold 3722RX	3.4638	106.51
2019	Fischer Cross Creek Farms	AgriGold 3722	3.1560	101.77
2018	O'Bryan Grain Farms	Pioneer P35T58	4.2640	103.86
2017	Goetz Brothers Farms	Asgrow 44X6RR2X	3.3130	94.06
2016	Goetz Brothers Farms	NK Brand S35-C3	5.6800	79.44
2015	Sylvester, Brian, Jerry Fischer	Pioneer 35T58	4.694	98.31
2014	Castlen Brothers Farms	Pioneer 94Y23	4.3370	86.15
2013	PPJ Thompson Farms	Pioneer P35T58R	4.300	88.04

2021 ELITE WHEAT

GROWER	COMPANY/BRAND	ACREAGE	YLD/AC
Glenn Thompson	Pioneer 25R59	4.820	131.93

ELITE WHEAT HISTORY

2020	PPJ Thompson Farms	Agrimax 438	3.8400	97.18
2019	Jeff Coke	Pioneer 25R50	5.78	114.73
2018	Tony & Joe Fischer Farms	Steyer Wharton	3.19	78.72
2017	Jeff Coke	Pioneer 25R50	5.5400	118.64
2016	Jeff Coke	Steyer KIDWELL	3.2800	116.57
2015	Jeff Coke	Steyer KIDWELL	3.1400	112.06
2014	Jeff Coke	Steyer KIDWELL	3.0800	120.59
2013	Jeff Coke	Pioneer 26R10	3.0800	121.80

DAVISS COUNTY TEST PLOTS

PURPOSE: To provide reliable data on the yield potential of the brands that are best suited for this area. Through these plots, we attempt to provide educational information in an unbiased and scientific form to the producers of the area.

PLOT LOCATION: Variety trials were implemented in all areas of the county. Plots were located to the west, south, and east of Owensboro, representing various soil types, planting dates, and rainfall amounts.

COUNTY-WIDE PLOT FORMAT: To increase the comparison of a variety from one plot to another, we developed a plot design that required each plot to follow the same plan. In the plan, we required that the check is placed after every three varieties so that we could make a reliable adjusted yield calculation. An adjusted yield calculation was figured using the surrounding check yields as a basis. Also, to allow the check variety to be evaluated, the third check in each plot was calculated and adjusted on an individual basis and the results enclosed in parenthesis.

To allow producers to gauge the dry-down ability of the hybrids, we have included the maturity days of each one.

COUNTRYWIDE YELLOW CORN PLOT PLAN:

<u>Compnay/Brand</u>	<u>Days to Maturity</u>
Check: Stewart 14DD339	114
NK NK1082-5222A.0-EZ1	110
LG Seeds LG62C35VT2RIB	112
InVision FS6306TRIB	113
DeKalb DKC63-57RIB	113
Stewart 13DD360	113
Beck's 6374V2P	113
Nutech 74B6AM	114
Pioneer P1464VYHR	114
DynaGro D54VC14	114
InVision FS6595VRIB	115
AgriGold A645-16VT2RIB	115
Stewart 15DP519	115
Beck's 6557V2P	115
DynaGro D55VC80	115
DeKalb DKC66-18RIB	116
NK NK1677-3110.0	116
AgriGold A647-42TRC	117
Pioneer P1847VYHR	118

EARLY MATURITY XTEND SOYBEANS

	<u>Maturity</u>
Asgrow AG27XF1	2.7
Stewart 2850XF	2.8
NK NK28-T3XF	2.8
Beck's 2885XF	2.8
AgriGold G2905XF	2.9
AgriGold G2900RX	2.9
Beck's 3005XF	3.0
Stewart 3132XF	3.1
NK NK31-J9XF	3.1
Channel 3322RFX	3.3

MID MATURITY XTEND SOYBEANS

	<u>Maturity</u>
AgriGold G3490XF	3.4
NK NK34-G1XF	3.4
FS HiSOY HS 34F00	3.4
Stewart 3531XF	3.5
Channel 3521RFX	3.5
Asgrow AG35XF1	3.5
Beck's 3555XF	3.5
Stewart 3632XF	3.6
Dyna-Gro S36XF31	3.6
Pioneer P36A83X	3.6
AgriGold G3722RX	3.7
NK NK37-Z9XF	3.7
Asgrow AG37XF2	3.7
Channel 3921RFX	3.9
Dyna-Gro S39XF41	3.9
Beck's 3995XF	3.9
Pioneer P39A58X	3.9

LATE MATURITY XTEND SOYBEANS

	<u>Maturity</u>
Asgrow AG40XFO	4.0
FS HiSOY HS41F00	4.1
Stewart 4231XF	4.2
NK NK42-T5XF	4.2
Pioneer P42A96X	4.2
Dyna-Gro S43XF51	4.3
Stewart 4442XF	4.4
NK NK44-J4XFS	4.4
AgriGold G4615XF	4.6
FS HiSOY HS46F00	4.6
Channel 4720RFX/SR	4.7
Pioneer P47A64X	4.7
Asgrow AG48XFO	4.8
Dyna-Gro S48XF61S	4.8

ENLIST SOYBEANS

	<u>Maturity</u>
NuTech 35N03E	3.5
NK NK37-V4E3S	3.7
AgriGold G3755E3	3.7
Pioneer P38T05E	3.8
NuTech 39N05E	3.9
NuTech 43N04E	4.3
Pioneer P45T88E	4.5

2021 Crop Year in Review

Every farming year begins with winter maintenance, meetings, animal care, and grain hauling; except during a pandemic. COVID-19 continued in 2021 keeping schools, churches, and agricultural meetings contained to a computer camera and microphone last winter. Internet communication certainly provided a connection for information during COVID-19 and taught us to connect more efficiently, but I haven't met a single person who said they preferred video conferencing over in-person. Despite the inconveniences of COVID-19, farming and living continued through the winter with vaccinations becoming available to the general public in February. Schools, restaurants, and churches reopened with reduced seating by early spring and people slowly and cautiously became accustomed to public encounters again. One lesson learned from 2020 was that essential business keeps going and farming in Daviess County would continue with a very successful and prosperous 2021.

In general, the 2020/2021 winter was dry with above normal temperatures. The only measurable precipitation fell as rain on January 21. Most of January was focused on grain and tobacco delivery, litter application, and machinery repairs and maintenance. One of the most surreal experiences of the pandemic in 2021 was the disruption of supply chain distribution first experienced with food processing in 2020. The disruption continued in shipping and manufacturing. New machinery, some supplies, and replacement parts were severely delayed or completely unavailable during all of 2021 as the effects of reduced work pace and shipping from 2020 began to appear when shelves did not refill when items were removed and sold.

The weather missed in January hit in February. The first couple of weeks were clear but a deep freeze and snow began on Valentine's Day and continued for the week. Three to five inches of snow was reported across the county, combined with very cold temperatures. The fourth week warmed up with a large rain late in the month. Gravel roads and animal feeding areas that were softened by the recent freeze/thaw cycle turned to mud in the first week of March.

March brings warmer, longer days and is always the period to finalize plans, machinery, inventories, and get started. Anhydrous Ammonia application began early in the month as well as tobacco greenhouse preparation. The exit of multiple large acreage burley tobacco farms reduced the planted tobacco acreage in Daviess County to its lowest ever. Many farms remained in production in 2021. It will be up to the tobacco leaf buyers to keep tobacco profitable if they wish to continue purchasing tobacco grown in this area in the future. A large rain in the third week of May dissipated quickly as warm, windy conditions continued, drying and warming soil providing optimum conditions for farms seeking to plant ultra-early soybeans.

April began hot and dry, perfect conditions for soybean and corn planting, with more than half the county corn crop and thousands of soybean acres getting planted in the first two weeks. The third week dropped lower in temperatures with light frost and snowfall on the 21st. Concern regarding the emerging corn and soybeans was minimal based on our experience of the May 2020 freeze events. Temperatures remained cooler late in the month with wet soils that slowed corn and soybean emergence and provided optimum conditions for slugs to cause major feeding damage to no-till soybeans.

May was beautiful. Hot and dry soil conditions through the latter half of the month were ideal for decreasing slug activity and achieving rapid crop growth and herbicide activity on the post-emergence herbicide applications. Weather conditions provided an ideal opportunity for harvesting hay, tobacco growth, and finishing soybean planting. Despite the end of April being cool and wet, the crop was off to an ideal beginning. After several wet springs, it was so nice to plant through fields with no worry of wet areas that would have to wait for further drying.

June continued the dry conditions of May. Clouds and rain forecasts in the second week delayed herbicide application with rain appearing imminent on the horizon but it never came. Wheat harvest began in the fourth week with cooler temperatures and low humidity. The wheat crop was excellent, a result of a dry winter and May providing optimum growing conditions. By the end of June, many corn and soybean fields dried out as rapid growth and no rain dried topsoil moisture.

The concern of corn tasseling in hot, dry soil conditions was relieved as much of Daviess County received a slow and steady rain of up to two inches on July 1. The rain, following an extended hot period, could not have been better for the corn but initiated a week of one major concern for the soybean crop – dicamba herbicide injury. Multiple factors aligned to cause widespread dicamba injury in 2020. First, at least two-thirds of the soybean acres were Enlist, which is not tolerant to dicamba. Second, two years of dicamba use with no reported damage gave private and commercial applicators a false sense of security. And the third reason, I am convinced the amount of land applied during the hot, low humidity period loaded the atmosphere with dicamba vapor which rained out on July 1. Another two inches of rain fell, slowing on the 10th, pushing the early April corn to optimum potential and providing later corn again with ideal moisture for pollination.

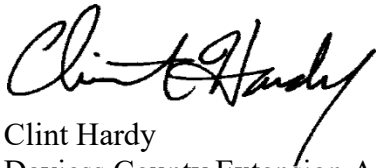
August was hot and dry with lots of sunshine. The only measurable rain fell on the 9th with most of the county reporting .5-.8 inches. Extreme heat dissipated later in the month but sunshine and heat caused early planted soybeans to begin coloring on slopes and thinner soils. Tobacco harvest was underway and most indicated harvesting the best tobacco they had grown in years. Limited but well-timed rain in July was perfect for a crop that is not tolerant of excessive moisture after topping.

Labor day is the first Monday in September each year and the official beginning of harvest in this area. The 2020 crop was exceptional, so most were prepared for a crop of less. Despite corn getting a nice start and timely rain at pollination, a dry June and August were concerning and most producers expected final yield to be affected by it. Indeed, it was not! Daviess and all of Kentucky experienced record-high yields of corn and soybeans. It is certainly a nod to seed genetic technology paired with a great start and perfectly timed rain. In addition to yield, prices for wheat, corn, and soybeans were well above the 5-year average, allowing producers the opportunity to market grain well above the cost of production throughout the year and even at harvest when the basis usually declines.

October continued with ideal, warm, dry harvest weather. An occasional shower slowed harvest only temporarily as no significant rain fell until the 25th. The first week of November

was dry but colder, bringing the first killing freezes of the year. A warm-up in the second week provided a pleasant opportunity to clean harvest equipment.

Planning is already underway for 2022. As of today, fertilizer prices are two and a half times higher than spring of 2021 and we're told glyphosate and glufosinate will be in short supply, possibly not even available. COVID-19 continues with reported numbers declining once again, but time will decide when it is over. All we know is that Daviess County crop and animal agriculture had an extremely successful year. For that, we are blessed and thankful.

A handwritten signature in black ink that reads "Clint Hardy". The signature is written in a cursive style with a large, stylized initial "C".

Clint Hardy
Daviess County Extension Agent
for Agriculture and Natural Resources Education

**2021 DAVIESS COUNTY COUNTYWIDE YELLOW CORN COMPOSITE
18 BRANDS / HYBRIDS • 10 COMPANIES**

RANK	HYBRID	2019 AVERAGE	2020 AVERAGE	2021 AVERAGE									
				PREY FARMS	GOETZ FARMS	BROTHERS FARMS	CECIL FARMS	KEYIN & CLINT HARDY	BRIAN NIELNER	ROSWELL FARMS	RANK	HYBRID	AVERAGE
1.	NK NK1082-5222A.0-EZ1	263.0	264.9	270.6	268.5	246.3	259.1	16	262.1	231.8			
2.	InVision FS6306TRIB	299.5	286.2	282.2	275.7	270.8	270.0	4	280.7				
3.	DeKalb DKC63-57RIB	274.1	241.6	252.7	258.6	260.4	254.2	17	256.9				
4.	Stewart 13DD360	297.6	294.4	282.6	284.3	276.6	265.0	2	283.4				
5.	Beck's 6374V2P	267.4	273.0	275.6	271.5	264.2	259.5	12	268.5	257.5			
6.	Stewart 14DD339	285.0	280.1	294.1	288.1	279.5	256.7	5	280.6	262.3	245.1		
7.	Nutech 74B6AM	281.3	268.9	277.9	264.6	278.1	262.7	10	272.3	257.2			
8.	Pioneer P1464VYHR	277.8	286.9	283.2	275.4	271.7	265.9	6	276.8	248.2			
9.	DynaGro D54VC14	267.3	251.6	260.4	264.7	270.8	262.1	15	262.8				
10.	InVision FS6595VRIB	272.3	277.2	280.4	270.6	271.3	273.1	9	274.1				
11.	AgriGold A645-16VT2RIB	268.1	283.5	259.8	285.1	287.1	271.7	7	275.9				
12.	Stewart 15DP519	256.7	267.3	267.0	268.7	260.8	269.0	14	264.9	255.3			
13.	Beck's 6557V2P	251.9	252.5	238.9	253.1	262.6	254.1	18	252.2	246.9			
14.	DynaGro D55VC80	301.7	284.0	295.0	285.9	286.7	282.9	1	289.4	253.3			
15.	DeKalb DKC66-18RIB	273.1	280.7	258.8	264.4	269.5	280.7	11	271.2	253.6			
16.	NK NK1677-3110.0	266.4	270.6	282.3	259.7	267.5	255.9	13	267.1				
17.	AgriGold A647-42TRC	258.9	264.2	325.1	267.6	275.6	253.6	8	274.2				
18.	Pioneer P1847VYHR	290.5	267.6	312.4	274.9	284.3	258.0	3	281.3				

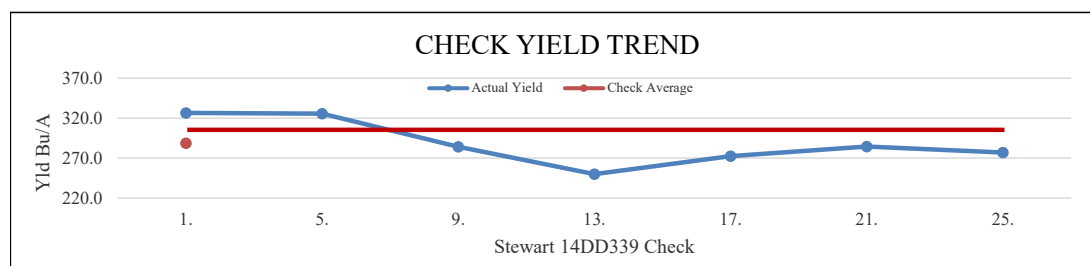
**Daviess County Cooperative Extension Service
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Clint Hardy, County Extension Agent for Agriculture and Natural Resources Education**

2021 DAVIESS COUNTY YELLOW CORN 19 BRANDS / HYBRIDS • 10 COMPANIES

Conducted by Daviess Co. Cooperative Extension Service and KCTCS

Cooperator: Brey Farms
Planting Date: April 7, 2021
Harvest Date: September 10, 2021
Planting Population: 32,500
Herbicides: 1 pt. Princep, 1 qt. Glyphosate, 3 qts. Acuron
Fungicides: 10 oz. Trivapro
Insecticides: None
Fertility: 254# N, 115# P₂O₅, 150# K₂O, 36# S
Primary Soil Type: Belknap/Hosmer Silt Loam
Row Width: 4-30" rows
Plot Location: Ward Road - Whitesville
Previous Crop: Soybean
Tillage Practice: Conventional
Check: Stewart 14DD339

Brand / Hybrid	Test Weight	Percent Moisture	Harvested Yld Bu/A	Adjusted Yield	RANK
DeKalb 67-44	56.0	23.8	294.7		
1. Stewart 14DD339 (Check)	55.5	25.5	326.5		
2. NK NK1082-5222A.0-EZ1	55.0	24.2	263.0	232.6	18
3. LG Seeds LG62C35VT2RIB	55.5	23.8	283.9	251.1	
4. InVision FS6306TRIB	57.0	23.9	299.5	265.3	12
5. Stewart 14DD339 (Check)	55.5	24.3	325.6		
6. DeKalb DKC63-57RIB	55.5	24.6	274.1	250.9	17
7. Stewart 13DD360	55.0	24.3	297.6	281.7	4
8. Beck's 6374V2P	56.0	24.1	267.4	262.0	13
9. Stewart 14DD339 (Check)	56.0	23.2	284.2	285.0	3
10. Nutech 74B6AM	56.5	22.0	268.7	281.3	5
11. Pioneer P1464VYHR	56.0	22.0	257.1	277.8	6
12. DynaGro D54VC14	58.0	21.7	239.4	267.3	10
13. Stewart 14DD339 (Check)	56.5	21.0	250.0		
14. InVision FS6595VRIB	58.0	20.9	241.1	272.3	8
15. AgriGold A645-16VT2RIB	57.0	20.8	242.6	268.1	9
16. Stewart 15DP519	59.0	19.6	237.3	256.7	15
17. Stewart 14DD339 (Check)	58.0	20.3	272.5		
18. Beck's 6557V2P	58.5	21.1	240.5	251.9	16
19. DynaGro D55VC80	57.0	22.1	291.2	301.7	1
20. DeKalb DKC66-18RIB	59.5	21.5	266.4	273.1	7
21. Stewart 14DD339 (Check)	57.0	21.8	284.6		
22. NK NK1677-3110.0	57.0	23.8	260.9	266.4	11
23. AgriGold A647-42TRC	56.0	23.5	251.8	258.9	14
24. Pioneer P1847VYHR	57.5	24.4	280.6	290.5	2
25. Stewart 14DD339 (Check)	58.0	21.6	276.9		
Plot Average	56.8	22.6	271.3		
Check Average	57.3	22.5	288.6		



The even numbered harvest weights were reduced 35% after verifying and adjusting for an error in scale monitor calibration

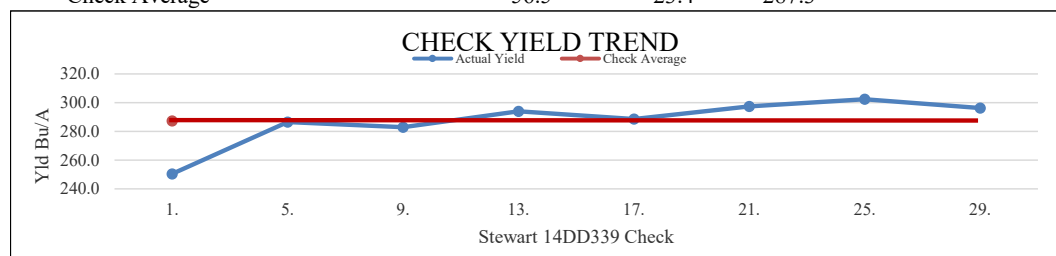
2021 DAVIESS COUNTY YELLOW CORN

19 BRANDS / HYBRIDS · 10 COMPANIES

Conducted by Daviess Co. Cooperative Extension Service and KCTCS

Cooperator: Goetz Brothers Farms
Planting Date: April 13, 2021
Harvest Date: September 13, 2021
Planting Population: 35,000
Herbicides: 1 qt. Roundup, 1 pt. 2,4-D, 2.5 qts. Acuron, 1 qt. Atrazine
Fungicides: 14 oz. Trivapro
Insecticides: Hero
Fertility: 10 gals. 3-18-18 2X2X2, 206# N
Primary Soil Type: Robbs/Wakeland Silt Loam
Row Width: 8-30" rows
Plot Location: Old Hartford Road - Southeast Owensboro
Previous Crop: Soybean
Tillage Practice: Conventional
Check: Stewart 14DD339

Brand / Hybrid	Test Weight	Percent Moisture	Harvested Yld Bu/A	Adjusted Yield	RANK
1. Stewart 14DD339 (Check)	57.0	23.5	250.5		
2. NK NK1082-5222A.0-EZ1	54.5	21.7	264.9	293.4	2
3. LG Seeds LG62C35VT2RIB	56.5	23.1	272.3	301.5	
4. InVision FS6306TRIB	56.0	21.5	276.4	286.2	4
5. Stewart 14DD339 (Check)	56.5	24.1	286.5		
6. DeKalb DKC63-57RIB	54.5	23.9	240.1	241.6	18
7. Stewart 13DD360	55.0	23.6	291.8	294.4	1
8. Beck's 6374V2P	56.0	21.7	269.6	273.0	10
9. Stewart 14DD339 (Check)	56.5	23.9	282.9	280.1	8
10. Nutech 74B6AM	55.5	22.6	267.4	268.9	12
11. Pioneer P1464VYHR	57.0	22.2	288.1	286.9	3
12. DynaGro D54VC14	56.5	21.6	255.0	251.6	17
13. Stewart 14DD339 (Check)	56.5	24.3	293.9		
14. InVision FS6595VRIB	56.5	23.2	282.3	277.2	9
15. AgriGold A645-16VT2RIB	56.5	23.9	287.5	283.5	6
16. Stewart 15DP519	56.0	23.7	269.7	267.3	14
17. Stewart 14DD339 (Check)	57.0	24.7	288.6		
18. Beck's 6557V2P	55.0	23.2	255.6	252.5	16
19. DynaGro D55VC80	56.0	24.4	289.6	284.0	5
20. DeKalb DKC66-18RIB	56.0	21.9	288.4	280.7	7
21. Stewart 14DD339 (Check)	56.5	23.4	297.3		
22. NK NK1677-3110.0	56.0	23.7	281.2	270.6	11
23. AgriGold A647-42TRC	55.0	27.1	275.8	264.2	15
24. Pioneer P1847VYHR	56.0	25.0	280.4	267.6	13
25. Stewart 14DD339 (Check)	56.0	22.9	302.4	281.5	
26. Nutech 72D4AM	56.0	21.00	295.3	286.6	
27. Nutech 70A8AM	57.5	20.23	289.1	291.1	
28. X					
29. Stewart 14DD339 (Check)	56.0	20.7	296.3		
Plot Average	56.1	23.1	279.2		
Check Average	56.5	23.4	287.3		

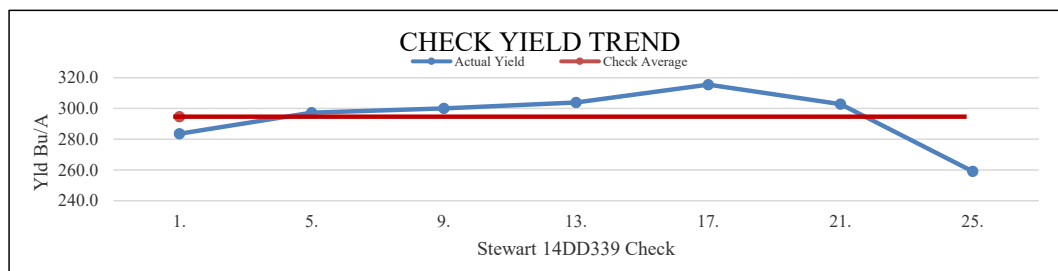


**2021 DAVIESS COUNTY YELLOW CORN
19 BRANDS / HYBRIDS • 10 COMPANIES**

Conducted by Daviess Co. Cooperative Extension Service and KCTCS

Cooperator: Don & Brian Cecil
Planting Date: April 12, 2021
Harvest Date: September 23, 2021
Planting Population: 33,500
Herbicides: 2.5 qts. Acuron, 24 oz. Roundup PowerMaxII,
 1 qt. AAtrex 4L
Fungicides: 13.7 oz. Trivapro
Insecticides: Capture LFR
Fertility: 225# N, 9# P₂O₅, 23# K₂O, 30# S
Primary Soil Type: Collins Silt Loam
Row Width: 4-30" rows
Plot Location: Short Station Road - Knottsville
Previous Crop: Soybean
Tillage Practice: Conventional
Check: Stewart 14DD339

Brand / Hybrid	Test Weight	Percent Moisture	Harvested Yld Bu/A	Adjusted Yield	RANK
1. Stewart 14DD339 (Check)	58.0	22.1	283.6		
2. NK NK1082-5222A.0-EZ1	58.0	21.6	263.7	270.6	12
3. LG Seeds LG62C35VT2RIB	57.0	22.1	272.4	279.6	
4. InVision FS6306TRIB	57.5	21.1	281.5	282.2	8
5. Stewart 14DD339 (Check)	58.0	21.1	297.4		
6. DeKalb DKC63-57RIB	56.0	21.1	255.6	252.7	17
7. Stewart 13DD360	57.0	20.9	286.5	282.6	6
8. Beck's 6374V2P	58.0	20.7	280.0	275.6	11
9. Stewart 14DD339 (Check)	57.0	20.7	300.1	294.1	4
10. Nutech 74B6AM	59.0	21.6	283.9	277.9	10
11. Pioneer P1464VYHR	58.0	21.4	290.3	283.2	5
12. DynaGro D54VC14	57.0	21.4	267.7	260.4	14
13. Stewart 14DD339 (Check)	56.5	20.9	304.0		
14. InVision FS6595VRIB	57.5	20.9	292.0	280.4	9
15. AgriGold A645-16VT2RIB	57.0	21.6	273.1	259.8	15
16. Stewart 15DP519	57.5	21.3	283.3	267.0	13
17. Stewart 14DD339 (Check)	57.0	21.3	315.5		
18. Beck's 6557V2P	57.0	21.6	253.2	238.9	18
19. DynaGro D55VC80	58.0	21.9	309.6	295.0	3
20. DeKalb DKC66-18RIB	57.0	21.6	268.8	258.8	16
21. Stewart 14DD339 (Check)	57.5	21.5	302.9		
22. NK NK1677-3110.0	56.5	21.3	279.7	282.3	7
23. AgriGold A647-42TRC	56.5	21.8	310.0	325.1	1
24. Pioneer P1847VYHR	57.5	22.6	286.3	312.4	2
25. Stewart 14DD339 (Check)	57.5	22.1	259.1		
Plot Average	57.3	21.4	284.0		
Check Average	57.4	21.4	294.7		

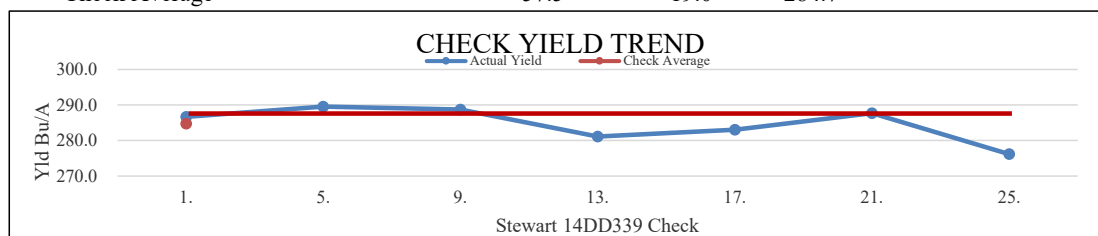


2021 DAVIESS COUNTY YELLOW CORN 19 BRANDS / HYBRIDS • 10 COMPANIES

Conducted by Daviess Co. Cooperative Extension Service and KCTCS

Cooperator: Kevin & Clint Hardy
Planting Date: April 11, 2021
Harvest Date: September 24, 2021
Planting Population: 33,100
Herbicides: 1 qt. Bullzeye, 1 qt. Atrazine 4F, 1 pt. 2,4-DLV6,
 3 qts. HalexGT, 2 oz. Status
Fungicides: 14 oz. Trivapro
Insecticides: 1# SmartChoice HC
Fertility: 212# N, 46# P₂O₅, 60# K₂O, 24# S, .5# Zn, 1 gal. 24-0-0
Primary Soil Type: Wakeland/Uniontown silt loam
Row Width: 6-30" rows
Plot Location: Pond River Road - Curdsville
Previous Crop: Soybeans
Tillage Practice: No-Till
Check: Stewart 14DD339

Brand / Hybrid	Test Weight	Percent Moisture	Harvested Yld Bu/A	Adjusted Yield	RANK
1. Stewart 14DD339 (Check)	58.0	19.2	286.7		
2. NK NK1082-5222A.0-EZ1	57.5	17.7	271.0	268.5	11
3. LG Seeds LG62C35VT2RIB	57.5	18.6	266.1	263.6	
4. InVision FS6306TRIB	59.0	17.8	279.6	275.7	5
5. Stewart 14DD339 (Check)	58.0	18.4	289.6		
6. DeKalb DKC63-57RIB	58.0	18.9	262.8	258.6	17
7. Stewart 13DD360	56.0	19.0	288.7	284.3	4
8. Beck's 6374V2P	58.0	18.4	275.5	271.5	8
9. Stewart 14DD339 (Check)	57.0	18.7	288.7	288.1	1
10. Nutech 74B6AM	58.0	19.3	266.6	264.6	14
11. Pioneer P1464VYHR	58.0	19.3	275.6	275.4	6
12. DynaGro D54VC14	59.0	18.5	263.2	264.7	13
13. Stewart 14DD339 (Check)	57.0	19.1	281.1		
14. InVision FS6595VRIB	58.0	19.2	267.6	270.6	9
15. AgriGold A645-16VT2RIB	58.0	19.2	282.5	285.1	3
16. Stewart 15DP519	58.0	18.9	266.6	268.7	10
17. Stewart 14DD339 (Check)	57.0	19.2	283.1		
18. Beck's 6557V2P	58.0	20.1	252.6	253.1	18
19. DynaGro D55VC80	57.5	19.7	286.6	285.9	2
20. DeKalb DKC66-18RIB	58.5	19.0	266.1	264.4	15
21. Stewart 14DD339 (Check)	57.5	19.4	287.7		
22. NK NK1677-3110.0	58.0	19.8	259.8	259.7	16
23. AgriGold A647-42TRC	56.0	21.3	264.9	267.6	12
24. Pioneer P1847VYHR	58.0	21.0	269.4	274.9	7
25. Stewart 14DD339 (Check)	58.0	18.8	276.2		
26. Agrigold A6544VT2P	57.5	18.4	259.7		
Plot Average	57.7	19.1	274.3		
Check Average	57.5	19.0	284.7		

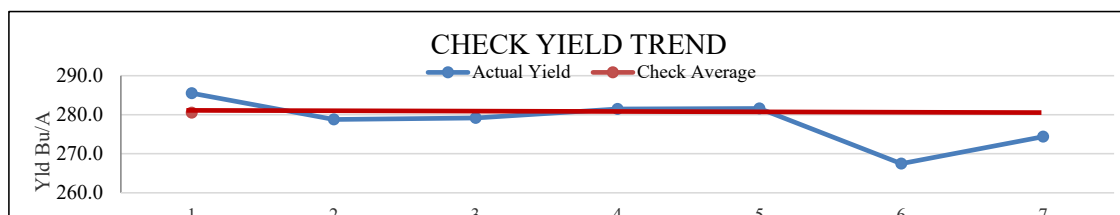


2021 DAVIESS COUNTY YELLOW CORN 19 BRANDS / HYBRIDS • 10 COMPANIES

Conducted by Daviess Co. Cooperative Extension Service and KCTCS

Cooperator: Brian Neltner - Settles 3 Chicks Farms
Planting Date: April 13, 2021
Harvest Date: October 1, 2021
Planting Population: 33,000
Herbicides: 1 qt. Roundup, 3 qts. Lexar
Fungicides: 14 oz. Trivapro
Insecticides: Lambda
Fertility: 5 tons Chicken Litter, 150# N
Primary Soil Type: Irrigated Ghat/Sciotoville/Weinbach Silt Loam
Row Width: 6-30" rows
Plot Location: Hwy 811 - Reed
Previous Crop: Watermelon
Tillage Practice: Conventional
Check: Stewart 14DD339

Brand / Hybrid	Test Weight	Percent Moisture	Harvested Yld Bu/A	Adjusted Yield	RANK
1. Stewart 14DD339 (Check)	58.0	17.0	285.5		
2. NK NK1082-5222A.0-EZ1	58.0	15.2	249.3	246.3	18
3. Becks 6589RR	60.0	17.5	272.5	269.2	
4. InVision FS6306TRIB	58.5	16.4	270.8	270.8	10
5. Stewart 14DD339 (Check)	58.5	16.8	278.8		
6. DeKalb DKC63-57RIB	58.5	16.5	258.9	260.4	17
7. Stewart 13DD360	57.0	17.1	275.2	276.6	6
8. Beck's 6374V2P	59.0	16.5	262.9	264.2	14
9. Stewart 14DD339 (Check)	57.0	16.8	279.2	279.5	4
10. Nutech 74B6AM	59.5	16.6	277.4	278.1	5
11. Pioneer P1464VYHR	58.0	16.7	271.5	271.7	8
12. DynaGro D54VC14	60.0	16.9	271.2	270.8	11
13. Stewart 14DD339 (Check)	59.0	17.3	281.5		
14. InVision FS6595VRIB	59.0	17.4	272.3	271.3	9
15. AgriGold A645-16VT2RIB	57.5	17.5	288.2	287.1	1
16. Stewart 15DP519	60.0	17.3	261.8	260.8	16
17. Stewart 14DD339 (Check)	59.0	17.4	281.6		
18. Beck's 6557V2P	59.0	17.7	263.9	262.6	15
19. DynaGro D55VC80	58.0	18.3	288.3	286.7	2
20. DeKalb DKC66-18RIB	58.5	17.4	271.1	269.5	12
21. Stewart 14DD339 (Check)	59.0	17.3	282.5		
22. NK NK1677-3110.0	58.0	18.4	267.5	267.5	13
23. AgriGold A647-42TRC	57.0	19.2	273.5	275.6	7
24. Pioneer P1847VYHR	58.5	19.2	280.1	284.3	3
25. Stewart 14DD339 (Check)	58.0	17.8	274.4		
Plot Average	58.5	17.3	273.6		
Check Average	58.4	17.2	280.5		



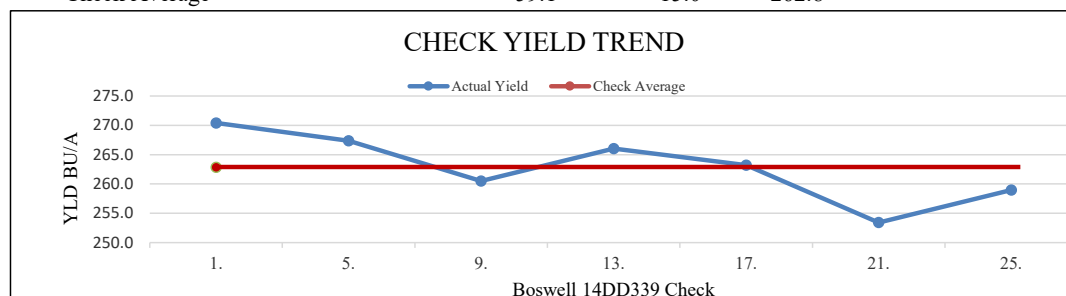
2021 DAVIESS COUNTY YELLOW CORN

19 BRANDS / HYBRIDS • 10 COMPANIES

Conducted by Daviess Co. Cooperative Extension Service and KCTCS

Cooperator: Boswell Farms
Planting Date: April 15, 2021
Harvest Date: October 18, 2021
Planting Population: 33,500
Herbicides: 2.5 qts. Resicore, 64 oz. Envy6Max, Havoc LV6,
 1.5 lbs. Atrazine
Fungicides: 6.8 oz. Approach Prima
Insecticides: 5 oz. Reveal EndurX
Fertility: 200# N, VRT P+K, 1 gal. Novus K
Primary Soil Type: Uniontown Silt Loam
Row Width: 8-30" rows
Plot Location: Ray Road at Blackford Creek
Previous Crop: Soybean
Tillage Practice: No-Till
Check: Stewart 14DD339

Brand / Hybrid	Test Weight	Percent Moisture	Harvested Yld Bu/A	Adjusted Yield	RANK
1. Stewart 14DD339 (Check) 4 rows	59.5	15.5	270.4		
2. NK NK1082-5222A.0-EZ1	58.0	15.0	265.8	259.1	15
3. LG Seeds LG62C35VT2RIB	59.5	14.7	263.2		
4. InVision FS6306TRIB	58.5	15.7	275.4	270.0	5
5. Stewart 14DD339 (Check)	59.0	15.0	267.4		
6. DeKalb DKC63-57RIB	59.0	15.4	256.9	254.2	17
7. Stewart 13DD360	58.5	14.9	266.1	265.0	8
8. Beck's 6374V2P	59.0	15.2	258.9	259.5	14
9. Stewart 14DD339 (Check)	59.0	15.1	260.5	256.7	16
10. Nutech 74B6AM	59.0	15.9	261.8	262.7	11
11. Pioneer P1464VYHR	60.0	15.0	266.3	265.9	7
12. DynaGro D54VC14	60.0	15.6	263.9	262.1	12
13. Stewart 14DD339 (Check)	59.5	15.1	266.0		
14. InVision FS6595VRIB	59.0	15.6	275.6	273.1	3
15. AgriGold A645-16VT2RIB	59.5	15.0	273.6	271.7	4
16. Stewart 15DP519	59.0	15.2	270.1	269.0	6
17. Stewart 14DD339 (Check)	59.0	14.8	263.2		
18. Beck's 6557V2P	58.5	15.9	252.1	254.1	18
19. DynaGro D55VC80	59.5	14.9	278.1	282.9	1
20. DeKalb DKC66-18RIB	59.0	15.3	273.3	280.7	2
21. Stewart 14DD339 (Check)	59.0	15.1	253.4		
22. NK NK1677-3110.0	58.0	15.9	255.9	264.0	9
23. AgriGold A647-42TRC	56.0	16.1	253.6	260.2	13
24. Pioneer P1847VYHR	59.0	16.0	258.0	263.2	10
25. Stewart 14DD339 (Check) 4 rows	59.0	14.7	259.0		
Plot Average	58.9	15.3	264.3		
Check Average	59.1	15.0	262.8		



2021 CORN STRIP CHECKS BY STANLEY CROP SERVICE

JOE FOSTER FARMS

		% Moisture	Yield
Brand:	DeKalb DK66-18	18.1	312.91

STRODE FARMS

		% Moisture	Yield
Brand:	AgriGold AG645-16	21.2	293.18

2021 CORN STRIP CHECKS BY RICE AGRI-MARKETING

RANDY CRABTREE

		% Moisture	Yield
Brand:	NuTech 2213	17.0	212.84

COKE & CRISP FARMS

		% Moisture	Yield
Brand:	NuTech 68A7	18.4	255.10
Brand:	NuTech 75G1AM	18.8	251.50

COLE HAMILTON FARMS

		% Moisture	Yield
Brand:	NK 1082-522A	16.8	229.20

CORN POPULATION AND CLOSING WHEEL EQUIPMENT COMPARISON

Cooperator: Stephen Farms

Treatment: FastTrac Closing Disc with Press Wheel Equipment = 24,000- 30,000- 36,000 Planting Population
Copperhead V-Type Spike Wheel Equipment = 24,000- 30,000- 36,000 Planting Population

Planter Model: JD 1770 NT - 24 Row

Planting Date: April 23, 2021

Harvest Date: September 13, 2021

Variety: Dekalb 66-18

Herbicides: Burndown, 1 qt. Gramoxone, 2 lbs. Atrazine, POST: 1 qt. Roundup, 3 oz. Laudis, 2 lbs. Atrazine

Fungicides: V10-8 oz. Veltyma, R1-14 oz. Trivapro

Insecticides: 5 oz. Ethos - Infurrow

Fertility: 195# N, 26# P₂O₅, 24# K₂O, 28# S, 1# Z, 1# B

Primary Soil Type: Henshaw/Uniontown Silt Loam

Row Width: 12-30" rows

Plot Location: Hwy 279 South - Sorgho

Previous Crop: Soybean

Tillage Practice: No-Till

	TREATMENT	FINAL STAND COUNT 5/20/21	HARVEST POPULATION 9/13/2021	TEST WEIGHT	PERCENT MOISTURE	YIELD
1.	24,000 Copperhead	20,000	24,000	56.0	21.9	236.88
2.	24,000 FastTrac	23,000	21,500	56.0	21.4	240.03
3.	30,000 FastTrac	29,000	27,000	56.0	21.6	266.23
4.	30,000 Copperhead	28,250	28,000	56.0	21.8	267.55
5.	36,000 Copperhead	33,750	32,500	56.0	21.4	276.33
6.	36,000 FastTrac	31,750	34,000	56.0	21.3	272.01

CORN PLANTER FERTILIZER PLACEMENT AND RATE COMPARISON

Cooperator: Ken-Maur Farms
Planter Model: JD 1770 NT - 24 Row
Planting Date: April 19, 2021
Harvest Date: October 20, 2021
Variety: AgriGold A647-42TRC
Plot Location: West 5th Street Road - Sorgho
Previous Crop: Soybean
Tillage Practice: No-Till

	TREATMENT	TEST WEIGHT	PERCENT MOISTURE	YIELD
1.	2X2 20 gals. 28-0-0-5 10 gals. 10-34-0	61.5	15.6	227.78
2.	2X2X2 20 gals. 28-0-0-5 10 gals. 10-34-0	61.0	15.5	234.93
3.	2X2X2 30 gals. 28-0-0-5 15 gals. 10-34-0	60.5	15.7	230.47
4.	2X2 20 gals. 28-0-0-5 10 gals. 10-34-0	61.0	15.8	228.79

KENTUCKY EXTENSION CORN PRODUCTION CONTEST

DAVISS COUNTY ENTRIES

DIVISION I - Conventional Tillage

DARRELL HAGAN FARMS

Planted:	3/30/2021	Harvested:	9/9/2021
Brand:	Stewart 13DD360	Moisture:	26.1
Herbicide:	Roundup, Atrazine, Armezon Pro	Acreage:	1.3437
Insecticide:	Lambda T2	Planting Population:	40,000
Fungicide:	Veltyma, Revytek	Yield/Acre:	324.96
Fertility:	250# N, 1 gal. 10% B, 2 tons chicken litter		

GOETZ BROTHERS FARMS

Planted:	4/12/2021	Harvested:	9/15/2021
Brand:	DeKalb DKC70-27VT2P	Moisture:	25.3
Herbicide:	Acuron, Atrazine, Roundup	Acreage:	1.4853
Insecticide:	Hero	Planting Population:	40,000
Fungicide:	Trivapro	Yield/Acre:	317.10
Fertility:	220# N, 2 tons chicken litter, Starter: Yield Plus 3-18-18		

GOETZ BROTHERS FARMS

Planted:	4/10/2021	Harvested:	9/15/2021
Brand:	AgriGold A645-16VT2	Moisture:	22.9
Herbicide:	Acuron, Atrazine, Roundup	Acreage:	1.5174
Insecticide:	Hero	Planting Population:	35,000
Fungicide:	Trivapro	Yield/Acre:	316.24
Fertility:	220# N, 2 tons chicken litter, Starter: Yield Plus 3-18-18		

GOETZ BROTHERS FARMS

Planted:	4/12/2021	Harvested:	9/15/2021
Brand:	DeKalb DKC67-44VT2RIB	Moisture:	25.6
Herbicide:	Acuron, Atrazine, Roundup	Acreage:	1.2796
Insecticide:	Hero	Planting Population:	40,000
Fungicide:	Trivapro	Yield/Acre:	315.89
Fertility:	220# N, 2 tons chicken litter, Starter: 3-18-18 Yield Plus		

GOETZ BROTHERS FARMS

Planted:	4/12/2021	Harvested:	9/15/2021
Brand:	DeKalb DKC67-44VT2RIB	Moisture:	22.5
Herbicide:	Acuron, Atrazine, Roundup	Acreage:	1.4803
Insecticide:	Hero	Planting Population:	40,000
Fungicide:	Trivapro	Yield/Acre:	315.26
Fertility:	220# N, 2 tons chicken litter, Starter: 3-18-18 Yield Plus		

GOETZ BROTHERS FARMS

Planted:	4/12/2021	Harvested:	9/13/2021
Brand:	DeKalb DKC70-27RIB	Moisture:	28.2
Herbicide:	Acuron, Atrazine, Roundup	Acreage:	1.2870
Insecticide:	Hero	Planting Population:	40,000
Fungicide:	Trivapro	Yield/Acre:	310.78
Fertility:	220# N, 2 tons chicken litter, Starter: 3-18-18 Yield Plus		

SPARKS FARMS

Planted:	5/12/2021	Harvested:	10/16/2021
Brand:	DeKalb DKC67-94RIB	Moisture:	19.8
Herbicide:	1.5 qts. Acuron, 1 pt. Roundup Powermax	Acreage:	1.4139
Insecticide:	4 oz. Tundra	Planting Population:	36,000
Fungicide:	14 oz. Trivapro	Yield/Acre:	309.99
Fertility:	314# N, 115# P ₂ O ₅ , 150# K ₂ O, 38# S Starter: 4 gals. 9-24-3	Check 2:	305.20

GENE GLENN & SONS FARMS

Planted:	4/12/2021	Harvested:	9/29/2021
Brand:	Pioneer 1847AML	Moisture:	25.6
Herbicide:	Acuron, Atrazine, Roundup	Acreage:	1.4772
Insecticide:	Lambda	Planting Population:	33,000
Fungicide:	Veltyma	Yield/Acre:	308.03
Fertility:	300# N, 125# P ₂ O ₅ , 170# K ₂ O		

GOETZ BROTHERS FARMS

Planted:	4/13/2021	Harvested:	9/15/2021
Brand:	AgriGold A6499STXRIB	Moisture:	21.2
Herbicide:	Acuron, Atrazine, Roundup	Acreage:	1.5459
Insecticide:	Hero	Planting Population:	35,000
Fungicide:	Trivapro	Yield/Acre:	306.14
Fertility:	220# N, 2 tons chicken litter, Starter: Yield Plus 3-18-18		

DUSTIN HAGAN FARM

Planted:	3/30/2021	Harvested:	9/10/2021
Brand:	Stewart 14DD339	Moisture:	23.0
Herbicide:	Roundup, Atrazine, Armezon Pro	Acreage:	1.4408
Insecticide:	Lambda T2	Planting Population:	40,000
Fungicide:	Veltyma, Revytek	Yield/Acre:	301.32
Fertility:	250# N, 1 gal. 10% B, 2 tons chicken litter		

TANNER STROUP

Planted:	4/15/2021	Harvested:	10/12/2021
Brand:	Croplan CP5550VT2RIB	Moisture:	15.2
Herbicide:	Roundup, Laudis, Atrazine	Acreage:	1.4690
Insecticide:	Tundra	Planting Population:	36,500
Fungicide:	Veltyma, Delaro	Yield/Acre:	300.59
Fertility:	275# N, 2 Tons Chicken Litter, Starter: 6 gals. 2X2	Check 2:	294.47

TRIPLE T FARMS

Planted:	4/3/2021	Harvested:	9/8/2021
Brand:	DeKalb DKC67-94RIB	Moisture:	26.3
Herbicide:	Halex GT	Acreage:	1.4924
Insecticide:	Hero, Sniper, Tombstone Helios	Planting Population:	42,000
Fungicide:	Delaro Complete, Revytek, Trivapro	Yield/Acre	298.89
Fertility:	275# N, 115# P ₂ O ₅ , 150# K ₂ O, 4# Zn, 3# B, 30# S		
	Starter: Prologue, ProZn10, Radiate, Accomplish		

TRIPLE T FARMS

Planted:	4/3/2021	Harvested:	9/8/2021
Brand:	Dyna-Gro D55VC80RIB	Moisture:	27.9
Herbicide:	Halex GT	Acreage:	1.5709
Insecticide:	Hero, Sniper, Tombstone Helios	Planting Population:	42,000
Fungicide:	Delaro Complete, Revytek, Trivapro	Yield/Acre:	297.58
Fertility:	275# N, 115# P ₂ O ₅ , 150# K ₂ O, 4# Zn, 3# B, 30# S		
	Starter: Prologue, ProZn10, Radiate, Accomplish		

LANDON TAYLOR

Planted:	4/3/2021	Harvested:	9/8/2021
Brand:	Dyna-Gro D55VC80RIB	Moisture:	28.8
Herbicide:	Halex GT	Acreage:	1.5186
Insecticide:	Hero, Sniper, Tombstone Helios	Planting Population:	42,000
Fungicide:	Delaro Complete, Revytek, Trivapro	Yield/Acre:	296.25
Fertility:	275# N, 115# P ₂ O ₅ , 150# K ₂ O, 4# Zn, 3# B, 30# S		
	Starter: Prologue, ProZn10, Radiate, Accomplish		

SPARKS FARMS

Planted:	4/11/2021	Harvested:	10/15/2021
Brand:	DeKalb DKC70-27RIB	Moisture:	17.5
Herbicide:	1.5 qts. Acuron, 1 pt. Roundup Powermax	Acreage:	1.3340
Insecticide:	4 oz. Tundra	Planting Population:	36,000
Fungicide:	14 oz. Trivapro, Xyway	Yield/Acre:	292.38
Fertility:	314# N, 115# P ₂ O ₅ , 150# K ₂ O, 38# S	Check 2:	287.81
	Starter: 4 gals. 9-24-3		

OBRYAN GRAIN FARMS

Planted:	4/9/2021	Harvested:	9/8/2021
Brand:	DeKalb DKC67-94RIB	Moisture:	22.6
Herbicide:	2,4-D, Glyphosate, Halex GT, Status	Acreage:	1.9513
Insecticide:	none	Planting Population:	34,000
Fungicide:	V-10-Topguard, Brown Silk-Trivapro	Yield/Acre:	291.21
Fertility:	225# N, 250# P ₂ O ₅ , 200# K ₂ O, 1qt. Y-Drop B, Swine Manure, Starter: 32% 2X2		

DIVISION II - No-Till

SCOTT ZOGLMANN

Planted:	4/3/2021	Harvested:	9/24/2021
Brand:	DeKalb DKC69-99RIB	Moisture:	21.7
Herbicide:	2.5 qts. Acuron	Acreage:	1.3375
Insecticide:	none	Planting Population:	36,000
Fungicide:	13.7 oz. Trivapro, Xyway	Yield/Acre:	322.15
Fertility:	236# N, 92# P ₂ O ₅ , 120# K ₂ O, 18# S	Check 2:	306.20

CASTLEN BROTHERS FARMS

Planted:	4/6/2021	Harvested:	9/9/2021
Brand:	DeKalb DKC63-91VT2RIB	Moisture:	23.9
Herbicide:	1 qt. Gramoxone, 3 qts. Acuron, 50 oz. Roundup	Acreage:	1.7125
Insecticide:	none	Planting Population:	33,500
Fungicide:	3 oz. Headline, 8 oz. Priaxor	Yield/Acre:	300.32
Fertility:	220# N, 80# P ₂ O ₅ , 105# K ₂ O, Starter: 4.5 gals. 6-18-18		

GOETZ BROTHER FARMS

Planted:	4/17/2021	Harvested:	9/8/2021
Brand:	DeKalb DKC65-95VT2RIB	Moisture:	25.2
Herbicide:	Acuron, Atrazine, Roundup	Acreage:	1.331
Insecticide:	Hero	Planting Population:	36,000
Fungicide:	Trivapro	Yield/Acre:	296.19
Fertility:	220# N, 2 tons chicken litter, Starter used 3-18-18 Yield Plus		

CASTLEN BROTHERS FARMS

Planted:	4/6/2021	Harvested:	9/9/2021
Brand:	Pioneer P1359	Moisture:	23.9
Herbicide:	1 qt. Gramoxone, 3 qts. Acuron, 50 oz. Roundup	Acreage:	1.7089
Insecticide:	none	Planting Population:	33,500
Fungicide:	3 oz. Headline, 8 oz. Priaxor	Yield/Acre:	288.30
Fertility:	220# N, 80# P ₂ O ₅ , 105# K ₂ O, Starter: 4.5 gals. 6-18-18		

DARRELL HAGAN FARMS

Planted:	3/30/2021	Harvested:	9/9/2021
Brand:	AgriGold A645-16VT2PRO	Moisture:	26.5
Herbicide:	Roundup, Armezon Pro, Atrazine	Acreage:	1.3223
Insecticide:	Lambda T2	Planting Population:	40,000
Fungicide:	Veltyma, Revytek	Yield/Acre:	288.26
Fertility:	250# N, 1 Gal 10% B, 2 tons chicken litter		

KEVIN AND CLINT HARDY

Planted:	4/11/2021	Harvested:	9/24/2021
Brand:	Stewart 14DD339	Moisture:	18.9
Herbicide:	1 qt. Bullzeye, 1 qt. Atrazine 4F, 1 pt. 2,4-DLV6, 3 qts. HalexGT, 2 oz. Status	Acreage:	1.2893
Insecticide:	1# SmartChoice HC	Planting Population:	33,000
Fungicide:	14 oz. Trivapro	Yield/Acre:	286.33
Fertility:	212# N, 46# P ₂ O ₅ , 60# K ₂ O, 24# S, .5# Zn,		

FLATLICK GRAIN FARMS LLC

Planted:	4/8/2021	Harvested:	9/9/2021
Brand:	AgriGold A645-16STXRIB	Moisture:	20.8
Herbicide:	3 qts. Acuron	Acreage:	1.6566
Insecticide:	None	Planting Population:	32,000
Fungicide:	8.33 oz. Veltyma	Yield/Acre:	277.23
Fertility:	229# N, 69# K ₂ O, 1 gal. MaxNPact, 231# MES10,	Check 2:	268.17

FLATLICK GRAIN FARMS LLC

Planted:	4/8/2021	Harvested:	9/9/2021
Brand:	Stewart 14DD339	Moisture:	22.0
Herbicide:	3 qts. Acuron	Acreage:	1.5427
Insecticide:	None	Planting Population:	32,000
Fungicide:	8.33 oz. Veltyma	Yield/Acre:	271.40
Fertility:	229# N, 69# K ₂ O, 1 gal. MaxNPact, 231# MES10,		

DIVISION III - White Corn

GENE GLENN & SONS FARMS

Planted:	4/8/2021	Harvested:	09/29/21
Brand:	Pioneer P1656WAM	Moisture:	15.9
Herbicide:	Roundup, Atrazine, Acuron	Acreage:	1.2982
Insecticide:	Lambda	Planting Population:	30,000
Fungicide:	Veltyma	Yield/Acre:	286.23
Fertility:	220# N, 3 tons turkey litter		

PPJ THOMPSON FARMS

Planted:	4/15/2021	Harvested:	09/21/21
Brand:	Pioneer P1618	Moisture:	17.9
Herbicide:	Burndown: Enlist Duo, Fire Zone, Cinch AT2	Acreage:	1.2571
Insecticide:	None	Planting Population:	30,000
Fungicide:	None	Yield/Acre:	253.03
Fertility:	125# AMS, 2 tons turkey litter		

PPJ THOMPSON FARMS

Planted:	4/15/2021	Harvested:	09/21/21
Brand:	Pioneer P1306	Moisture:	17.5
Herbicide:	Burndown: Enlist Duo, Fire Zone, Cinch AT2	Acreage:	1.2594
Insecticide:	None	Planting Population:	30,000
Fungicide:	None	Yield/Acre:	251.86
Fertility:	125# AMS, 2 Tons turkey litter		

DIVISION IV - Irrigated

MCKAY FARMS

Planted:	4/7/2021	Harvested:	9/7/2021
Brand:	AgriGold A645-16VT2RIB	Moisture:	25.0
Herbicide:	1.5 qts. Lexar, 2 oz. Status, 1.5 pt. Armezon,	Acreage:	1.3134
Insecticide:	Ethos XB	Planting Population:	35,000
Fungicide:	10 oz. Veltyma@VT, 1 pt. Headline AMP@R1, Xyway in furrow, 1 pt. Headline AMP@R3	Yield/Acre:	311.83
Fertility:	Infurrow: 7.5 gals. Torque Complete, Planting 2X2: 12 gals. Convoy, 1 qt. Zn, 1 qt. B, Streambar: 15 gals. 32%, V-5 Appl.: 10 gals Convoy, 40 gals. 32%, 2 qt. B Y-Drop, V-9 Appl: 2 gals. Conquest SBH, 20 gals. 32% Y-Drop	*Check 2:	299.95
		*Check 3:	292.17

*Replant 4/27/2021 no Xyway in furrow

MCKAY FARMS

Planted:	4/27/2021	Harvested:	9/15/2021
Brand:	Armor 1447VT2PRIB	Moisture:	24.7
Herbicide:	1.5 qts. Lexar, 2 oz. Status, 1.5 pts. Armezon, 1 qt.	Acreage:	1.3113
Insecticide:	Ethos XB	Planting Population:	35,000
Fungicide:	10 oz. Veltyma@VT, 1 pt. Headline AMP@VT, 1 pt. Headline AMP@R3	Yield/Acre:	300.23
Fertility:	Infurrow: 7.5 gals. Torque Complete, Planting 2X2: 12 gals. Convoy, 1 qt. Zn, 1 qt. B, Streambar: 15 gals. 32%, V-5 Appl: 10 gals Convoy, 40 gals. 32%, 2 qt. B Y-Drop, V-9 Appl: 2 gals. Conquest SBH, 20 gals. 32% Y-Drop	Check 2:	295.85

KEN-MAUR FARMS

Planted:	4/27/2021	Harvested:	10/4/2021
Brand:	AgriGold A647-42TRCRIB	Moisture:	22.2
Herbicide:	Atrazine, Laudis, Roundup, Dicamba	Acreage:	1.3934
Insecticide:	Lambda, Bifenthrin	Planting Population:	36,000
Fungicide:	Veltyma, Trivapro	Yield/Acre:	293.80
Fertility:	350# N, 34# P ₂ O ₅ , 400# K ₂ O, 1# Zn, 115# S, 4.5# Ca, .5# Mg Starter: 8 gals. 10-34-0, 2X2, 1 qt. Enzup		

KEN-MAUR FARMS

Planted:	4/27/2021	Harvested:	10/4/2021
Brand:	DeKalb DKC70-27RIB	Moisture:	11.3
Herbicide:	Atrazine, Laudis, Roundup, Dicamba	Acreage:	1.4141
Insecticide:	Lambda, Bifenthrin	Planting Population:	36,000
Fungicide:	Veltyma, Trivapro	Yield/Acre:	280.07
Fertility:	350# N, 34# P ₂ O ₅ , 400# K ₂ O, 1# Zn, 115# S, 4.5# Ca, .5# Mg Starter: 8 gals. 10-34-0, 2X2, 1 qt. Enzup		

Daviness Early 2021 Strode Farms	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)
	2021	2020-21	2019-21			
ARMOR A1029	319.0	293.7	267.0	15.4	60.8	8
FS InVISION FS 6194V RIB	310.8			16.8	60.5	0
Stewart 09DD140	310.4			17.2	60.5	0
Seed Consultants SC1112AM	307.6			17.3	60.2	0
Warren Seed DS 5018	305.0			16.2	59.8	0
AgriGold A639-70STXRIB	303.9	276.9		16.2	60.0	0
DEKALB DKC59-82RIB	301.6			16.3	59.3	0
NuTech 68A7AM	301.0			17.1	61.1	0
NuTech 70A8AM	300.7			16.6	60.3	2
Pioneer P1077AML	299.1	280.2	261.8	16.9	60.6	0
Stewart 09DP409	298.0	275.2		17.0	60.6	0
Beck's 5994V2P	297.9			17.0	60.7	5
Brevant Seeds B09Z08AM	296.4	277.3		16.7	59.9	2
Channel 210-46VT2PRIB	296.0	271.0	260.9	15.8	59.1	1
Dyna-Gro D51VC67	295.9	277.8		17.0	60.1	1
LG Seeds LG62C52TRC	293.5	276.8	258.7	17.0	60.5	2
Local Seed LC1009 VT2P	291.1			17.2	60.9	0
Partners Brand PB 7881	290.9	272.6		16.6	60.5	6
Partners Brand PB 8071	290.8	271.2		17.2	60.9	0
Stewart 11DT792	289.5			16.8	60.8	2
Warren Seed DS 4878	289.4			16.6	59.8	2
Croplan 4930	281.3			16.1	60.6	0
Croplan 5073	279.8			17.5	60.7	1
NK Seeds NK1082-3220A.0-EZ1	272.7			16.3	58.8	0
Beck's 6112 V2P	267.1			16.7	59.0	2
Average	295.1	277.3	262.1	16.7	60.2	1
C.V.	3.8	4.7	6.4	2.1	0.9	248
LSD	21.9	18.2	19.8	0.7	1.1	8

Shaded cells are not significantly different from top yield (0.10)

Planted: April 27, 2021; Harvested: October 12, 2021

Soil type: Ashton Silt Loam; Previous crop: Soybean; Fertilizer: 185/92/120

Daviness Medium 2021 Strode Farms	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)
	2021	2020-21	2019-21			
Brevant Seeds B13A10AM	320.1			17.4	60.4	0
Local Seed LC1577 VT2PRIB	303.3	279.4	261.7	18.2	62.2	0
LG Seeds LG5643VT2RIB	302.9		272.8	17.3	60.2	0
Warren Seed DS 5510	302.2	285.8	268.7	18.0	62.4	0
DEKALB DKC63-91RIB	301.8	284.6	265.9	17.1	58.7	0
Warren Seed DS 5250	300.6			17.5	60.3	0
Channel 215-60TRERIB	300.1	285.3	271.3	17.5	59.4	0
Stewart 13DT962	299.9			17.2	60.8	0
Channel 214-78DGV2PRIB	299.8	285.7		17.2	60.5	0
AgriGold A6544VT2RIB	299.2	285.2	265.8	17.5	60.5	0
Croplan 5497	298.7			17.7	61.6	1
FS InVISION FS 6395VDG RIB	298.2	277.5		17.3	60.6	0
Brevant Seeds B15H98AM	298.1	284.0		18.1	62.6	0
Beck's 6414V2P	297.4	270.0		18.0	61.7	0
NuTech 74A9AM	295.7			17.7	60.1	0
Stewart 13DD360	295.7	281.9	267.1	17.4	59.4	0
ARMOR A1575	293.3	280.2	265.0	17.6	60.8	0

Daviness Medium 2021 Cont. Strode Farms	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)
	2021	2020-21	2019-21			
Croplan 5550	292.6			17.5	60.2	0
NuTech 74F3AM	292.5			17.9	60.7	0
Dyna-Gro D55VC80	291.1	276.9		18.0	60.9	0
NuTech 74B6AM	290.5	273.3		18.0	60.8	0
FS InVISION FS 6306T RIB	288.2	269.5		17.6	60.7	0
AgriGold A643-52VT2PRO	288.2			17.4	62.0	0
NuTech 72D4AM	288.1			17.3	59.9	0
DEKALB DKC63-57RIB	288.0	278.2	264.0	17.6	60.6	0
Dyna-Gro D54VC14	287.8		257.0	18.4	61.7	0
Local Seed LC1497DGVT2P	287.6	276.2		17.6	61.1	0
AgriGold A642-59VT2RIB	286.8	275.1	268.0	16.9	60.7	0
Pioneer P1464AML	286.4			18.5	61.0	0
Partners Brand PB 8336	285.2			17.6	60.2	0
DEKALB DKC62-53RIB	284.8	273.4	259.1	17.8	59.8	0
Local Seed LC1289 VT2PRIB	283.4	267.6	254.3	17.8	60.0	0
Stewart 15DP519	283.4	274.3	260.3	18.3	60.9	0
AgriGold A645-16VT2PRO	282.5	278.5	267.5	17.9	61.4	0
Local Seed LC1307TC	282.4	245.5		17.4	60.8	0
Seed Consultants SC1122Q	280.3			18.4	60.5	0
AgriGold A642-47STX	280.1	266.5		19.0	61.6	0
ARMOR A1299	280.0	267.1	250.6	17.6	61.1	0
Warren Seed DS 5323	279.9			18.3	61.2	0
Brevant Seeds B14J04AM	279.7	266.2		18.4	60.2	1
Local Seed LC1506 VT2P	278.8	273.2		17.9	63.6	0
Wyffels W7876RIB	278.7	272.1		17.8	60.6	0
Local Seed LC1398VT2P	277.5	270.0		17.5	61.6	0
DEKALB DKC62-70RIB	277.3			17.9	61.8	0
DEKALB DKC65-99RIB	277.2	272.2	257.0	18.0	61.1	0
LG Seeds LG 64C20-3220	276.5			15.8	59.4	0
DEKALB DKC65-95RIB	275.8	261.8	254.6	18.2	62.0	0
Partners Brand PB 8335	275.4			17.6	60.2	0
FS InVISION FS 6595V RIB	275.4	273.1	261.4	17.8	60.8	0
Beck's 6557V2P	275.3	263.3		18.7	60.7	0
Local Seed LC1407 VT2P	274.8			18.1	61.6	0
Beck's 6374V2P	274.5	252.8		17.3	61.0	0
NK Seeds NK1523-3220.0-EZ1	272.5			18.1	59.8	0
FS InVISION FS 62ZV1 RIB	268.4	263.2	250.6	17.3	61.1	0
NK Seeds NK1460-5222.0-EZ1	265.4			18.4	57.9	0
Average	287.4	274.1	262.1	17.7	60.8	0
C.V.	4.1	4.2	5.8	2.0	1.0	505
LSD	22.7	15.8	13.3	0.7	1.1	1

Shaded cells are not significantly different from top yield (0.10)

Planted: April 27, 2021; Harvested: October 12, 2021

Soil type: Ashton Silt Loam; Previous crop: Soybean; Fertilizer: 185/92/120

Daviness Late 2021 Strode Farms	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)
	2021	2020-21	2019-21			
DEKALB DKC66-18RIB	296.7	278.2	263.9	18.2	61.4	0
FS InVISION FS 6606T RIB	294.6	283.8		19.1	58.6	0
NuTech 77A5AM	293.4			18.8	60.6	0
Channel 217-01VT2PRIB	291.3			17.8	60.8	0
Seed Consultants SC1170AM	288.6	280.1	261.8	18.8	60.3	0
AgriGold A647-42TRC	288.6	273.7		18.6	59.0	0
Brevant Seeds B17Z18AM	288.3			18.9	60.3	0
Stewart 18DP682	286.2			18.5	58.9	0
LG Seeds LG66C44VT2PRO	285.1	271.2		18.6	60.7	0
Wyffels W8936DGRIB	284.1	275.3		19.2	61.2	0
Local Seed LC1707 VT2P	278.8	261.5		19.1	63.1	0
DEKALB DKC67-44 RIB	277.9	270.0	262.6	18.4	62.0	0
DEKALB DKC70-27RIB	276.9	259.4	250.8	19.7	60.6	0
Dyna-Gro D58VC65	276.5	267.3	241.2	19.0	61.4	1
Stewart 17DP781	275.4	274.6		19.9	59.5	0
LG Seeds LG 66C28-3220	274.6			17.3	59.6	2
Warren Seed DS 5676	271.7	270.5		20.1	61.0	0
Seed Consultants SC1188AM	270.4	262.4	247.9	19.8	61.2	1
Pioneer P1847AML	269.6	262.5	253.5	20.7	61.1	1
FS InVISION 6818V RIB	269.6			19.9	62.8	1
Croplan 5678	267.7			19.0	62.0	0
DEKALB DKC67-94RIB	261.9			18.8	60.7	0
Local Seed LC1898TC	261.9	254.9		18.6	62.3	0
Local Seed LC1919 VT2P	258.2			20.2	62.4	0
Local Seed LC1616 TC	256.7			19.6	62.7	0
AgriGold A647-90VT2RIB	250.8	246.1		19.7	62.1	1
Average	278.5	268.2	254.5	18.9	60.9	0
C.V.	4.5	4.9	6.9	1.8	0.8	198
LSD	24.5	18.3	20.4	0.7	1.0	1

Shaded cells are not significantly different from top yield (0.10)

Planted: April 27, 2021; Harvested: October 12, 2021

Soil type: Ashton Silt Loam; Previous crop: Soybean; Fertilizer: 185/92/120

Daviness White 2021 Strode Farms	YIELD (BU/AC)	MST	TWT	LODG
	2021	(%)	(LB/BU)	(%)
DEKALB DKC62-00RIB	277.1	20.3	60.5	2
DEKALB DKC64-00RIB	275.5	20.0	61.7	0
Pioneer P1656WAM	265.8	18.6	63.5	2
DEKALB DKC63-00RIB	253.9	19.3	62.0	0
Hybrid85 H-3203W	215.8	18.6	59.6	1
Average	260.7	19.0	61.6	0
C.V.	3.3	1.6	0.7	212
LSD	20.4	0.7	0.9	5

Shaded cells are not significantly different from top yield (0.10)

Planted: April 27, 2021; Harvested: October 12, 2021

Soil type: Ashton Silt Loam; Previous crop: Soybean; Fertilizer: 185/92/120

Davie's Conventional 2021 Strode Farms	YIELD (BU/AC)		MST (%)	TWT (LB/BU)	LODG (%)
	2021	2020-21			
BioMineral-OCN	282.6	254.2	18.7	63.3	0
Dyna-Gro D53CC33	278.8		17.4	60.1	0
BioMineral YCN-2	276.5		18.1	63.5	0
Partners Brand PB 8335C	275.8		18.0	59.8	0
Partners Brand PB 8336C	270.9		18.1	60.4	0
FS InVISION 63Z00	268.5		18.8	62.7	1
FS InVISION 62Z00	268.0		18.1	60.5	0
Croplan 5340	262.9		19.4	62.4	0
BioMineral YCN-1	260.3		18.5	63.2	1
Croplan 5290	252.5		18.3	61.3	0
Armor 1500	243.2		19.0	61.8	1
Average	267.8	254.2	18.4	61.9	0
C.V.	3.1	3.4	1.8	1.0	261
LSD	17.0	12.6	0.7	1.2	2

Shaded cells are not significantly different from top yield (0.10)

Planted: April 27, 2021; Harvested: October 12, 2021

Soil type: Ashton Silt Loam; Previous crop: Soybean; Fertilizer: 185/92/120

Table 2E - State Summary Early 2021

Name	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)
	2021	2020-21	2019-21			
Warren Seed DS 5018	254.4	252.5	237.0	17.4	58.5	1
Beck's 5994V2P	248.4			18.1	59.2	0
NuTech 68A7AM	247.8	247.7		18.0	58.1	0
Warren Seed DS 4878	246.5			18.0	58.0	0
Croplan 4930	243.6			18.8	58.6	0
Seed Consultants SC1112AM	243.4			19.3	58.6	0
Croplan 5073	240.0			19.7	58.6	0
AgriGold A639-70STXRIB	239.4	248.3		19.0	58.1	0
Stewart 09DD140	237.0	239.4	232.9	17.8	57.0	0
ARMOR A1029	236.8	240.5	229.3	19.1	58.5	0
DEKALB DKC59-82RIB	235.5	240.7		18.9	57.0	0
Channel 210-46VT2PRIB	234.8			18.8	58.9	0
Brevant Seeds B09Z08AM	234.7			19.1	59.2	0
NuTech 70A8AM	234.1	244.4		19.0	59.3	0
Stewart 09DP409	233.0	236.8		19.2	57.7	0
Dyna-Gro D51VC67	232.3			18.8	58.1	0
Stewart 11DT792	232.2			18.7	56.6	0
Pioneer P1077AML	232.0	232.1		19.0	59.1	0
FS InVISION FS 6194V RIB	226.1	238.1	230.3	18.7	58.3	0
NK Seeds NK1082-3220A.0-EZ1	225.3			18.3	57.4	0
LG Seeds LG62C52TRC	222.4			19.7	58.4	0
Local Seed LC1009 VT2P	221.4			18.0	58.4	0
Beck's 6112 V2P	219.5			19.1	58.5	0
Partners Brand PB 8071	214.1			18.2	56.9	0
Partners Brand PB 7881	213.3			18.1	58.9	0
Average	233.5	242.1	232.4	18.6	58.2	0
C.V.	7.3	6.7	7.9	4.7	1.5	652
LSD	12.2	21.4	20.3	0.6	0.6	1

Shaded cells are not significantly different from top yield (0.10)

Table 2M - State Summary Medium 2021

Name	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)
	2021	2020-21	2019-21			
NuTech 72D4AM	255.5			19.0	59.3	0
Warren Seed DS 5250	250.9			19.1	59.1	0
Stewart 13DT962	250.3			19.6	59.1	0
AgriGold A6544VT2RIB	245.3	248.8	238.7	19.9	59.1	0
Channel 214-78DGVT2PRIB	244.9	252.3		19.6	59.2	0
Stewart 13DD360	244.5	240.5	230.3	19.4	58.4	0
Dyna-Gro D54VC14	244.3		224.1	20.3	60.3	0
Brevant Seeds B13A10AM	243.9			19.4	58.8	0
Beck's 6414V2P	242.3	241.8		20.1	60.7	0
Channel 215-60TRERIB	242.2	247.7	236.2	19.5	58.1	0
DEKALB DKC63-91RIB	241.7	241.0	233.2	18.7	57.8	0
Local Seed LC1497DGVT2P	240.8	239.0		19.1	60.0	0
AgriGold A645-16VT2PRO	240.3	243.8	229.9	20.3	59.6	0
Croplan 5550	240.3			19.4	59.0	0
LG Seeds LG5643VT2RIB	239.7		225.9	20.0	58.7	0
DEKALB DKC65-99RIB	238.8	241.3	232.9	20.2	60.0	0
Dyna-Gro D55VC80	238.7	243.1		20.1	59.5	0
Beck's 6374V2P	238.0	231.4		19.1	59.3	0
Stewart 15DP519	238.0	241.4	231.3	20.0	59.6	0
NuTech 74A9AM	237.2			19.8	58.8	0
Local Seed LC1577 VT2PRIB	237.2	235.4	224.1	20.0	60.8	0
FS InVISION FS 6395VDG RIB	236.8	235.4		18.9	59.4	0
Seed Consultants SC1122Q	236.7			20.0	59.3	0
DEKALB DKC65-95RIB	236.4	238.4	224.7	20.3	60.7	0
Croplan 5497	236.3			20.1	60.1	0
DEKALB DKC63-57RIB	235.3	236.3	224.2	20.0	59.4	0
AgriGold A643-52VT2PRO	235.1			20.0	60.2	0
DEKALB DKC62-70RIB	234.2			20.5	60.6	0
ARMOR A1575	233.6	240.2	230.2	20.7	59.0	0
Local Seed LC1307TC	233.0	235.4		18.9	59.4	0
Warren Seed DS 5510	232.5	235.0	224.7	20.8	60.8	0
Pioneer P1464AML	231.9			20.8	59.7	0
FS InVISION FS 6595V RIB	231.8	236.4	227.7	20.2	59.2	0
Brevant Seeds B15H98AM	231.6	234.4		20.8	60.6	0
Local Seed LC1407 VT2P	231.0			20.4	60.0	0
FS InVISION FS 62ZV1 RIB	230.8	232.9	224.1	19.5	59.6	0
Wyffels W7876RIB	230.5	233.0		19.4	59.2	0
Partners Brand PB 8336	230.3			19.7	59.2	0
Local Seed LC1506 VT2P	230.2	236.7		19.4	62.8	0
LG Seeds LG 64C20-3220	230.1			18.4	58.5	0
Beck's 6557V2P	229.9	233.6		20.9	59.4	0
ARMOR A1299	229.9	231.7	224.2	19.1	59.4	0
AgriGold A642-47STX	229.6	233.3		21.1	59.7	0
AgriGold A642-59VT2RIB	229.5	232.5	228.0	19.0	59.5	0
DEKALB DKC62-53RIB	229.4	233.2	222.8	19.4	59.4	0
NuTech 74F3AM	228.6			20.1	58.9	0
Warren Seed DS 5323	228.4			20.0	59.7	0
Partners Brand PB 8335	228.2			19.1	59.2	0
Local Seed LC1398VT2P	228.0	235.5		20.0	60.2	0
FS InVISION FS 6306T RIB	227.2	238.2		19.0	59.2	0
Local Seed LC1289 VT2PRIB	227.0	231.2	225.3	19.0	58.9	0
NuTech 74B6AM	224.7	228.6		19.6	59.6	0
Brevant Seeds B14J04AM	224.2	227.9		19.9	59.8	0
NK Seeds NK1460-5222.0-EZ1	221.9			20.1	56.5	0
NK Seeds NK1523-3220.0-EZ1	217.8			21.0	57.8	0
Average	235.0	237.5	228.1	19.8	59.5	0
C.V.	6.8	6.9	7.9	4.0	1.2	0
LSD	11.5	22.1	15.6	0.6	0.5	0

Shaded cells are not significantly different from top yield (0.10)

Table 2L - State Summary Late 2021

Name	YIELD (BU/AC)			MST (%)	TWT (LB/BU)	LODG (%)
	2021	2020-21	2019-21			
Channel 217-01VT2PRIB	247.7			19.9	58.9	0
DEKALB DKC66-18RIB	242.3	242.8	236.2	20.0	59.5	0
Stewart 18DP682	240.7			21.4	57.7	0
LG Seeds LG66C44VT2PRO	240.4	238.1		20.0	59.4	0
NuTech 77A5AM	239.4			21.1	58.5	0
Seed Consultants SC1170AM	238.6	241.7	232.5	20.4	59.1	0
DEKALB DKC67-94RIB	236.8			20.5	59.1	0
DEKALB DKC67-44 RIB	235.1	240.1	235.5	20.1	60.4	0
Brevant Seeds B17Z18AM	233.4			20.9	58.7	0
AgriGold A647-42TRC	233.2	238.9		21.2	57.7	0
Dyna-Gro D58VC65	232.8	237.6	229.4	21.0	59.9	0
Pioneer P1847AML	232.3	233.8	225.6	22.9	59.4	0
Croplan 5678	231.8			20.9	60.1	0
DEKALB DKC70-27RIB	230.8	235.7	225.2	21.8	58.6	0
Warren Seed DS 5676	230.1	238.6		21.4	59.8	0
Local Seed LC1707 VT2P	230.0	226.2		21.0	61.5	0
FS InVISION FS 6606T RIB	229.6	238.7		20.7	57.7	0
FS InVISION 6818V RIB	229.4			21.0	61.7	0
Local Seed LC1898TC	227.4	233.7		20.0	60.7	0
LG Seeds LG 66C28-3220	223.3			20.2	58.4	1
Wyffels W8936DGRIB	222.3	234.2		20.7	59.2	0
Stewart 17DP781	221.3	228.8		23.4	56.8	0
Local Seed LC1616 TC	220.8			21.4	61.2	0
AgriGold A647-90VT2RIB	217.3	223.3		21.4	60.3	0
Local Seed LC1919 VT2P	215.6			22.4	60.3	0
Seed Consultants SC1188AM	214.5	220.9	215.5	21.4	60.0	0
Average	231.9	234.6	228.6	20.8	59.3	0
C.V.	7.2	7.4	7.6	4.1	1.3	509
LSD	12.1	23.3	19.2	0.6	0.6	0

Shaded cells are not significantly different from top yield (0.10)

Table 2W - State Summary White 2021

Name	YIELD (BU/AC)		MST (%)	TWT (LB/BU)	LODG (%)
	2021				
DEKALB DKC62-00RIB	228.6		21.2	59.8	1
DEKALB DKC64-00RIB	221.9		22.2	59.3	0
DEKALB DKC63-00RIB	216.7		21.0	59.1	0
Pioneer P1656WAM	210.3		21.1	60.8	0
Hybrid85 H-3203W	182.7		21.4	57.9	1
Average	212.0		21.4	59.4	0
CV	4.9		4.3	4.7	383
LSD	7.7		0.7	2.0	1

Shaded cells are not significantly different from top yield (0.10)

**2021 DAVIESS COUNTY XTEND
COMPARISON OF EARLY MATURITY SOYBEANS - GROUP 2.6 - 3.3
6 Companies • 10 Brands**

VARIETY	DON & BRIAN		GERALD & JOEL		RANK	2021 VARIETY		2020 VARIETY		2019 VARIETY	
	CECIL FARMS	BOSWELL FARMS	BOSWELL FARMS	RANK		AVERAGE	AVERAGE	AVERAGE	AVERAGE	AVERAGE	
1. Asgrow AG27XF1	79.4	82.6	82.6	10	81.0						
2. Stewart 2850XF	100.4	84.9	84.9	3	92.7						
3. NK NK28-T3XF	89.6	81.6	81.6	9	85.6						
4. Beck's 2885XF	98.2	82.0	82.0	5	90.1						
5. AgriGold G2905XF	89.4	87.7	87.7	7	88.6						
6. AgriGold G2900RX	93.7	88.9	88.9	4	91.3	85.4					86.2
7. Beck's 3005XF	100.5	87.8	87.8	2	94.2						
8. Stewart 3132XF	91.2	87.6	87.6	6	89.4						
9. NK NK31-J9XF	110.2	93.6	93.6	1	101.9						
10. Channel 3322RXXF	82.1	89.2	89.2	8	85.6						

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**2021 DAVIESS COUNTY XTEND EARLY MATURITY
SOYBEAN VARIETY TEST PLOT
(2.6 - 3.3 Group)**

Conducted by Daviess Co. Cooperative Extension Service and KCTCS

Cooperator: Don & Brian Cecil Farms
Planting Date: April 9, 2021
Harvest Date: September 24, 2021
Planting Population: 133,000
Herbicides: 1.6 pts. Gramoxone SL 3.0, 9 oz. Outlook,
24 oz. Roundup PowerMaxII, 6 oz. Zidua Pro
Fungicides: 13.7 oz. Miravis Top
Insecticides: 4.2 oz. Endigo ZC
Fertility: 18# N, 46# P₂O₅, 60# K₂O
Primary Soil Type: Collins Silt Loam
Row Width: 7-15" rows
Plot Location: Short Station Road - Knottsville
Previous Crop: Corn
Tillage Practice: No-Till

VARIETY	TEST WEIGHT	PERCENT MOISTURE	HARVEST YIELD	RANK
1. Asgrow AG27XF1	55.0	13.9	79.4	10
2. Stewart 2850XF	56.0	14.0	100.4	3
3. NK NK28-T3XF	56.0	13.9	89.6	7
4. Beck's 2885XF	54.5	14.3	98.2	4
5. AgriGold G2905XF	55.5	14.0	89.4	8
6. AgriGold G2900RX	54.5	13.9	93.7	5
7. Beck's 3005XF	56.0	13.8	100.5	2
8. Stewart 3132XF	55.5	13.9	91.2	6
9. NK NK31-J9XF	56.5	13.7	110.2	1
10. Channel 3322RXF	56.0	13.9	82.1	9
Plot Average	55.6	13.9	93.5	

**2021 DAVIESS COUNTY XTEND EARLY MATURITY
SOYBEAN VARIETY TEST PLOT
(2.6 - 3.3 Group)**

Conducted by Daviess Co. Cooperative Extension Service and KCTCS

Cooperator: Boswell Farms
Planting Date: April 16, 2021
Harvest Date: September 17, 2021
Planting Population: 130,000
Herbicides: 1 pt. Kyber, 64 ox. Envy6Max, 16 oz. Veritas LV, 8 oz. Traverse D, 12.8 oz. Engenia, 16 oz. Everprex
Fungicides: 6.8 oz. Approach Prima
Insecticides: 5 oz. Reveal EndurX
Fertility: VRT P+K
Primary Soil Type: Montgomery Silty Clay Loam
Row Width: 15-15" rows
Plot Location: Hwy 657 at Blackford Creek
Previous Crop: Corn
Tillage Practice: No-Till

VARIETY	TEST WEIGHT	PERCENT MOISTURE	HARVEST YIELD	RANK
1. Asgrow AG27XF1	54.0	14.7	82.6	8
2. Stewart 2850XF	56.0	14.7	84.9	7
3. NK NK28-T3XF	55.0	14.3	81.6	10
4. Beck's 2885XF	55.5	14.5	82.0	9
5. AgriGold G2905XF	56.0	14.3	87.7	5
6. AgriGold G2900RX	55.5	13.7	88.9	3
7. Beck's 3005XF	56.0	13.6	87.8	4
8. Stewart 3132XF	56.0	13.7	87.6	6
9. NK NK31-J9XF	55.5	13.9	93.6	1
10. Channel 3322RXF	56.0	14.0	89.2	2
11. Asgrow AG30X52	57.0	13.6	86.3	
Plot Average	55.7	14.1	86.6	

* Group 4.0-5.0 plot average same field and management

88.0

**2021 DAVIESS COUNTY XTEND
COMPOSITE OF MID MATURITY SOYBEANS - GROUP 3,4 - 3.9
9 Companies • 17 Brands**

VARIETY	DON & BRIAN CECIL FARMS	BITTEL FARMS	PPJ THOMPSON FARMS	RANK	2021 VARIETY AVERAGE	2020 VARIETY AVERAGE	2019 VARIETY AVERAGE
1. AgriGold G3490XF	92.0	78.5	54.1	10	74.8		
2. NK NK34-G1XF	74.4	82.5	44.4	17	67.1		
3. FS HISOY HS 34F00	102.9	83.8	40.3	7	75.7		
4. Stewart 3531XF	108.7	89.9	42.8	2	80.4		
5. Channel 3521RXF	111.1	80.6	40.0	3	77.3		
6. Asgrow AG35XF1	110.9	88.9	46.8	1	82.2		
7. Beck's 3555XF	107.4	80.0	34.8	11	74.1		
8. Stewart 3632XF	93.5	93.7	42.0	5	76.4		
9. Dyna-Gro S36XF31	106.6	85.8	34.1	8	75.5		
10. Pioneer P36A83X	94.9	96.2	34.6	9	75.2		
11. AgriGold G3722RX	94.9	88.6	37.1	12	73.5	71.9	72.2
12. NK NK37-Z9XF	93.2	89.9	27.1	15	70.1		
13. Asgrow AG37XF2	97.7	83.0	37.5	13	72.7		
14. Channel 3921RXF	104.6	72.2	41.3	14	72.7		
15. Dyna-Gro S39XF41	100.1	78.9	52.2	4	77.1		
16. Beck's 3995XF	97.9	78.9	51.0	6	75.9		
17. Pioneer P39A58X	82.8	85.1	34.1	16	67.3	59.3	

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**2021 DAVIESS COUNTY XTEND MID MATURITY
SOYBEAN VARIETY TEST PLOT
(3.4 - 3.9 Group)**

Conducted by Daviess Co. Cooperative Extension Service and KCTCS

Cooperator: Don & Brian Cecil Farms
Planting Date: April 9, 2021
Harvest Date: September 24, 2021
Planting Population: 133,000
Herbicides: 1.6 pts. Gramoxone SL 3.0, 9 oz. Outlook,
24 oz. Roundup PowerMaxII, 6 oz. Zidua Pro
Fungicides: 13.7 oz. Miravis Top
Insecticides: 4.2 oz. Endigo ZC
Fertility: 18# N, 46# P₂O₅, 60# K₂O
Primary Soil Type: Belknap Loam
Row Width: 7-15" rows
Plot Location: Short Station Road - Knottsville
Previous Crop: Corn
Tillage Practice: No-Till

VARIETY	TEST WEIGHT	PERCENT MOISTURE	HARVEST YIELD	RANK
1. AgriGold G3490XF	56.0	13.7	92.0	15
2. NK NK34-G1XF	56.5	13.3	74.4	17
3. FS HiSOY HS 34F00	56.0	13.5	102.9	7
4. Stewart 3531XF	56.0	13.3	108.7	3
5. Channel 3521RFX	56.0	13.4	111.1	1
6. Asgrow AG35XF1	55.5	13.7	110.9	2
7. Beck's 3555XF	55.5	14.0	107.4	4
8. Stewart 3632XF	55.0	13.6	93.5	13
9. Dyna-Gro S36XF31	56.0	13.6	106.6	5
10. Pioneer P36A83X	55.5	14.1	94.9	11
11. AgriGold G3722RX	55.5	14.3	94.9	11
12. NK NK37-Z9XF	55.0	13.8	93.2	14
13. Asgrow AG37XF2	55.0	14.2	97.7	10
14. Channel 3921RFX	55.5	13.9	104.6	6
15. Dyna-Gro S39XF41	54.0	14.8	100.1	8
16. Beck's 3995XF	53.5	14.5	97.9	9
17. Pioneer P39A58X	54.5	14.8	82.8	16
Plot Average	55.4	13.9	98.5	

**2021 DAVIESS COUNTY XTEND MID MATURITY
SOYBEAN VARIETY TEST PLOT
(3.4 - 3.9 Group)**

Conducted by Daviess Co. Cooperative Extension Service and KCTCS

Cooperator: PPJ Thompson Farms
Planting Date: May 24, 2021
Harvest Date: October 19, 2021
Planting Population: 155,000
Herbicides: Enlist Duo/Canopy, 1 qt. Roundup, 8 oz. Dicamba
Fungicides: none
Insecticides: none
Fertility: 2 ton Turkey Litter
Primary Soil Type: McGary/Patton Silt Loam
Row Width: 22 -7.5" rows
Plot Location: Hwy 258 - Delaware
Previous Crop: Soybeans
Tillage Practice: No-Till

VARIETY	TEST WEIGHT	PERCENT MOISTURE	HARVEST YIELD	RANK
1. AgriGold G3490XF	53.0	14.3	54.1	1
2. NK NK34-G1XF	54.0	15.7	44.4	5
3. FS HiSOY HS 34F00	54.0	15.6	40.3	9
4. Stewart 3531XF	55.0	15.5	42.8	6
5. Channel 3521RXF	55.0	15.1	40.0	10
6. Asgrow AG35XF1	54.0	15.3	46.8	4
7. Beck's 3555XF	54.0	15.2	34.8	13
8. Stewart 3632XF	54.0	15.6	42.0	7
9. Dyna-Gro S36XF31	55.0	15.4	34.1	15
10. Pioneer P36A83X	54.0	14.9	34.6	14
11. AgriGold G3722RX	54.0	14.8	37.1	12
12. NK NK37-Z9XF	54.0	14.8	27.1	17
13. Asgrow AG37XF2	55.0	14.6	37.5	11
14. Channel 3921RXF	55.0	14.9	41.3	8
15. Dyna-Gro S39XF41	55.0	14.5	52.2	2
16. Beck's 3995XF	55.0	14.4	51.0	3
17. Pioneer P39A58X5	54.5	14.0	34.1	15
18. Stewart 3731XF	55.0	13.9	48.3	
19. Stewart 3931XF	54.5	14.4	50.4	
20. Stewart 4040XF	55.0	14.3	45.9	
21. Stewart 4231XF	55.5	14.3	60.6	
Plot Average	54.5	14.8	41.2	

**2021 DAVIESS COUNTY XTEND MID MATURITY
SOYBEAN VARIETY TEST PLOT
(3.4 - 3.9 Group)**

Conducted by Daviess Co. Cooperative Extension Service and KCTCS

Cooperator: Bittel Farms
Planting Date: April 19, 2021
Harvest Date: October 21, 2021
Planting Population: 130,000
Herbicides: 1 qt. Glyphosate, 4 oz. Zidua Pro
Fungicides: None
Insecticides: None
Fertility: None
Primary Soil Type: Elk/Wheeling Silt Loam
Row Width: 7-15" rows
Plot Location: Hwy 56 - Sorgho
Previous Crop: Pumpkin
Tillage Practice: Conventional

VARIETY	TEST WEIGHT	PERCENT MOISTURE	HARVEST YIELD	RANK
1. AgriGold G3490XF	53.5	15.3	78.5	16
2. NK NK34-G1XF	54.0	15.0	82.5	12
3. FS HiSOY HS 34F00	54.0	15.0	83.8	10
4. Stewart 3531XF	54.0	14.8	89.9	4
5. Channel 3521RFX	54.0	14.8	80.6	13
6. Asgrow AG35XF1	53.5	15.0	88.9	5
7. Beck's 3555XF	54.0	15.0	80.0	14
8. Stewart 3632XF	52.5	15.2	93.7	2
9. Dyna-Gro S36XF31	52.5	15.2	85.8	8
10. Pioneer P36A83X	52.5	15.1	96.2	1
11. AgriGold G3722RX	53.5	15.2	88.6	6
12. NK NK37-Z9XF	53.5	15.3	89.9	3
13. Asgrow AG37XF2	53.5	15.2	83.0	11
14. Channel 3921RFX	54.0	15.1	72.2	17
15. Dyna-Gro S39XF41	53.5	15.3	78.9	15
16. Beck's 3995XF	54.0	15.2	85.1	9
17. Pioneer P39A58X5	54.0	15.4	88.3	7
18. Asgrow AG38XF1	54.0	15.5	76.3	
Plot Average	53.6	15.1	84.6	

**2021 DAVIESS COUNTY XTEND
COMPARISON OF LATE MATURITY SOYBEANS - GROUP 4.0 - 5.0 Group
7 Companies • 13 Brands**

VARIETY	DON & BRIAN		BOSWELL		2021 VARIETY 2020 VARIETY		2021 VARIETY 2020 VARIETY	
	CECIL FARMS	FARMS	FARMS	FARMS	AVERAGE	AVERAGE	AVERAGE	AVERAGE
1. Asgrow AG40XFO	57.9	85.9			71.9			
2. FS HISOY HS41F00	72.9	79.7			76.3			
3. Stewart 4231XF	61.9	77.6			69.7			
4. NK NK42-T5XF	65.7	93.1			79.4			
5. Pioneer P42A96X	62.2	96.9			79.5	84.9		85.5
6. Dyna-Gro S43XF51	60.5	88.8			74.7			
7. Stewart 4442XF	65.7	79.5			72.6			
8. NK NK44-J4XFS	72.7	97.0			84.8			
9. AgriGold G4615XF	82.1	92.2			87.1			
10. FS HISOY HS46F00	63.6	89.9			76.7			
11. Pioneer P47A64X	80.1	97.8			89.0			
12. Asgrow AG48XFO	68.4	86.2			77.3			
13. Dyna-Gro S48XF61S	75.2	87.9			81.5			

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**2021 DAVIESS COUNTY XTEND LATE MATURITY
SOYBEAN VARIETY TEST PLOT
(4.0 - 5.0 Group)**

Conducted by Daviess Co. Cooperative Extension Service and KCTCS

Cooperator: Don & Brian Cecil Farms
Planting Date: May 24, 2021
Harvest Date: October 21, 2021
Planting Population: 145,000
Herbicides: 1.6 pts. Gramoxone SL 3.0, 9 oz. Outlook,
24 oz. Roundup PowermaxII, 6 oz. Zidua Pro
Fungicides: 13.7 oz. Miravis Top
Insecticides: 4.2 oz. Endigo ZC
Fertility: 18# N, 46# P₂O₅, 60# K₂O
Primary Soil Type: Belknap Silt Loam
Row Width: 7-15" rows
Plot Location: Pup Creek Rd. - Knottsville
Previous Crop: Corn
Tillage Practice: No-Till

VARIETY	TEST WEIGHT	PERCENT MOISTURE	HARVEST YIELD	RANK
1. Asgrow AG40XFO	55.0	13.0	57.9	13
2. FS HiSOY HS41F00	55.0	12.9	72.9	4
3. Stewart 4231XF	55.5	12.3	61.9	11
4. NK NK42-T5XF	56.0	12.2	65.7	7
5. Pioneer P42A96X	55.5	12.3	62.2	10
6. Dyna-Gro S43XF51	56.0	12.3	60.5	12
7. Stewart 4442XF	56.5	12.3	65.7	8
8. NK NK44-J4XFS	56.5	12.2	72.7	5
9. AgriGold G4615XF	56.5	12.5	82.1	1
10. FS HiSOY HS46F00	56.0	12.3	63.6	9
11. Pioneer P47A64X	56.0	12.2	80.1	2
12. Asgrow AG48XFO	56.5	12.1	68.4	6
13. Dyna-Gro S48XF61S	56.0	12.0	75.2	3
14. NK S44-C7X	55.5	12.1	71.7	
15. NK NK37-Z9XR	55.5	12.3	57.5	
16. NK NK45-P9XF	54.5	12.4	72.4	
17. NK S35-K9X	55.5	12.2	72.3	
18. NK S42-B9XS	55.5	12.3	79.8	
19. NK NK43-V8XF	56.0	12.3	77.5	
20. Asgrow AG46XFO	54.5	12.3	70.8	
21. NK NK39-A1XF	56.0	12.2	70.3	
22. Stewart 4730XF	56.0	12.3	65.9	
Plot Average	55.7	12.3	69.6	

**2021 DAVIESS COUNTY XTEND LATE MATURITY
SOYBEAN VARIETY TEST PLOT
(4.0 - 5.0 Group)**

Conducted by Daviess Co. Cooperative Extension Service and KCTCS

Cooperator: Boswell Farms
Planting Date: April 16, 2021
Harvest Date: October 18, 2021
Planting Population: 130,000
Herbicides: 1 pt. Kyber, 64 ox. Envy6Max, 16 oz. Veritas LV, 8 oz. Traverse D, 12.8 oz. Engenia, 16 oz. Everprex
Fungicides: 6.8 oz. Approach Prima
Insecticides: 5 oz. Reveal Endor X
Fertility: VRT P+K
Primary Soil Type: Montgomery Silty Clay loam
Row Width: 15-15" rows
Plot Location: Hwy 657 at Blackford Creek
Previous Crop: Corn
Tillage Practice: No-Till

VARIETY	TEST WEIGHT	PERCENT MOISTURE	HARVEST YIELD	RANK
1. Asgrow AG40XFO	55.0	12.6	85.9	10
2. FS HiSOY HS41F00	55.0	12.5	79.7	11
3. Stewart 4231XF	55.5	12.1	77.6	13
4. NK NK42-T5XF	55.0	12.3	93.1	4
5. Pioneer P42A96X	55.0	12.1	96.9	3
6. Dyna-Gro S43XF51	54.5	12.5	88.8	7
7. Stewart 4442XF	54.5	11.9	79.5	12
8. NK NK44-J4XFS	55.0	12.3	97.0	2
9. AgriGold G4615XF	53.0	11.5	92.2	5
10. FS HiSOY HS46F00	54.5	11.6	89.9	6
11. Channel 4720RFX/SR	55.0	11.9	85.9	
12. Pioneer P47A64X	54.5	12.3	97.8	1
13. Asgrow AG48XFO	55.5	11.5	86.2	9
14. Dyna-Gro S48XF61S	54.5	11.8	87.9	8
15. Asgrow AG44XF2	53.5	12.1	79.5	
16. AMP Genetics A4448X	52.0	12.6	85.7	
17. Asgrow AG45XF0	53.0	11.8	90.7	
18. AMP Genetics A4608X	53.0	12.2	89.0	
19. AMP Genetics A4618X	54.0	12.2	88.3	
Plot Average	54.3	12.1	88.0	

* Group 2.3-3.2 plot average same field and management 86.6

**2021 DAVIESS COUNTY
ENLIST WEED CONTROL SYSTEMS SOYBEAN TEST PLOT**

Conducted by Daviess Co. Cooperative Extension Service and KCTCS

Cooperator: Glenn Thompson
Planting Date: April 16, 2021
Harvest Date: October 21, 2021
Planting Population: 154,000
Herbicides: Roundup, Authority Assist, 2,4-D, Liberty, Zidua SC
Fungicides: Lucento
Insecticides: None
Fertility: None
Primary Soil Type: Otwood Silt Loam
Row Width: 14-15" rows
Plot Location: Hwy 1554 - Sorgho
Previous Crop: Corn
Tillage Practice: No-Till

VARIETY	TEST WEIGHT	PERCENT MOISTURE	HARVEST YIELD	RANK
1. Stine 41EB32	54.0	14.4	60.5	11
2. NuTech 35N03E	51.5	14.8	72.1	4
3. NK NK37-V4E3S	54.0	15.0	71.3	5
4. AgriGold G3755E3	54.5	14.6	66.2	9
5. Pioneer P38T05E	54.0	14.5	69.9	6
6. NuTech 39N05E	53.5	14.1	68.9	8
7. NuTech 43N04E	52.0	14.4	73.0	3
8. Pioneer P45T88E	54.0	14.2	80.3	1
9. Beck's 3510E3	53.0	14.6	65.3	10
10. Beck'S 4320E3	54.0	14.6	73.9	2
11. Beck's 3910E3	54.5	14.7	69.7	7
Plot Average	53.5	14.5	70.1	

2021 SOYBEAN STRIP CHECKS

STEVE TURNER

Brand: Pioneer P38T05E
Planted: 4/17/2021
Harvested: 10/1/2021

	Treatment	Test Weight	Percent Moisture	Yield
1.	Untreated	55.0	12.9	66.57
2.	5 oz. Lucento, 5 oz. Hero	55.0	12.7	64.86
3.	Untreated	55.5	13.0	68.81
4.	4. 5 oz. Lucento, 5 oz. Hero	55.0	12.8	73.01

COLE HAMILTON FARMS

Brand: NK 31-J9XF
Planted: 5/12/2021
Harvested: 10/1/2021

	Acres	Percent Moisture	Yield
	0.197	12.8	87.85

Brand: NK 37-Z9XF
Planted: 5/12/2021
Harvested: 11/5/2021

	Acres	Percent Moisture	Yield
	0.197	12.7	80.48

**KENTUCKY EXTENSION SOYBEAN PRODUCTION CONTEST
DAVIESS COUNTY ENTRIES**

DIVISION I - Single Crop

GOETZ BROTHERS FARMS

Planted:	4/10/2021	Harvested:	10/19/2021
Brand:	Asgrow AG36X6	Moisture:	13.4
Herbicide:	Authority Elite, Roundup, Prefix	Acreage:	4.0220
Insecticide:	Hero	Tillage:	Conventional
Fungicide:	Miravis Top	Planting Population:	160,000
Fertility:	12# N, 72# P ₂ O ₅ , 72# K ₂ O	Yield/Acre:	112.03

OBRYAN GRAIN FARMS

Planted:	3/30/2021	Harvested:	9/27/2021
Brand:	Pioneer P32T26E	Moisture:	14.3
Herbicide:	2,4-D, Glyphosate, Zidua SC, Prefix, Enlist	Acreage:	3.3180
Insecticide:	Hero	Tillage:	Conventional
Fungicide:	Quadris Top SBX	Planting Population:	115,000
Fertility:	10,000 gals. Swine Manure	Yield/Acre:	109.95

KNOTT FARMS

Planted:	4/5/2021	Harvested:	10/22/2021
Brand:	Pioneer P38T05E	Moisture:	15.7
Herbicide:	Roundup, Zidua SC, 2,4-D, Enlist, Glyphosate	Acreage:	4.5870
Insecticide:	Hero	Tillage:	Conventional
Fungicide:	Priaxor	Planting Population:	113,194
Fertility:	None	Yield/Acre:	108.07
		Check 2:	107.6

STEPHEN FARMS

Planted:	4/12/2021	Harvested:	9/27/2021
Brand:	AgriGold AG3520RX	Moisture:	11.8
Herbicide:	Roundup, Zidua, Anthem Max, Engenia	Acreage:	3.2490
Insecticide:	Hero, Bifenthrin	Tillage:	Conventional
Fungicide:	Priaxor, Tilt, Aframe Plus	Planting Population:	110,000
Fertility:	None	Yield/Acre:	106.3

KEN-MAUR FARMS

Planted:	4/13/2021	Harvested:	9/30/2021
Brand:	AgriGold AG3520RX	Moisture:	13.5
Herbicide:	Glyphosate, Dicamba, Zidua SC, Anthem Maxx	Acreage:	3.2830
Insecticide:	Lambda, Bifenthrin	Tillage:	Conventional
Fungicide:	Priaxor, Propiconazole	Planting Population:	110,000
Fertility:	None	Yield/Acre:	104.68
		Check 2:	95.19

FLATLICK GRAIN FARMS

Planted:	5/13/2021	Harvested:	9/14/2021
Brand:	AgriGold AG3520RX	Moisture:	14.2
Herbicide:	Roundup Powermax3, Zidua, Prefix, Radiate, Intensity	Acreage:	4.4330
Insecticide:	Tombstone	Tillage:	Conventional
Fungicide:	Miravis Top	Yield/Acre:	104.60
Fertility:	80# K ₂ O, 66# ME 510, 1 pt. Borasol 10, 1 qt. V-Agri, 2.98 qts. Re-N Force K		

OBRYAN GRAIN FARMS

Planted:	4/2/2021	Harvested:	9/26/2021
Brand:	Pioneer P34T21E	Moisture:	11.7
Herbicide:	2,4-D, Glyphosate, Zidue SC, Prefix, Enlist	Acreage:	3.3820
Insecticide:	Hero	Tillage:	Conventional
Fungicide:	Quadris Top SBX	Planting Population:	115,000
Fertility:	10,000 gals. Swine Manure	Yield/Acre:	99.43

PASTURE BELT FARMS

Planted:	4/5/2021	Harvested:	9/14/2021
Brand:	Beck's 3555XF	Moisture:	12.3
Herbicide:	Antham Max, Bucaneer, Liberty, Start, Tricor	Acreage:	3.3230
Insecticide:	Hero	Tillage:	Conventional
Fungicide:	Miravis Top	Planting Population:	150,000
Fertility:	120# K ₂ O, 1 qt. Versamax	Yield/Acre:	98.89
		Check 2:	98.44

FLATLICK GRAIN FARMS

Planted:	5/13/2021	Harvested:	9/14/2021
Brand:	Asgrow AG35XF1	Moisture:	14.0
Herbicide:	Roundup Powermax3, Zidua, Prefix, Radiate, Intensity	Acreage:	4.4290
Insecticide:	Tombstone	Tillage:	Conventional
Fungicide:	Maravis Top	Yield/Acre:	98.28
Fertility:	80# K ₂ O, 66# ME 510, 1 pt. Borasol 10, 1 qt. V-Agri, 2.98 qts. Re-N Force K		

GENE GLENN & SONS FARMS

Planted:	4/8/2021	Harvested:	10/1/2021
Brand:	Pioneer 36A38X	Moisture:	12.1
Herbicide:	Roundup, Dicamba, Zidua SC, Eugenia	Acreage:	4.1130
Insecticide:	Sultros	Tillage:	Conventional
Fungicide:	Miravis Top	Planting Population:	135,000
Fertility:	2 tons turkey litter	Yield/Acre:	93.76

GENE GLENN & SONS FARMS

Planted:	4/6/2021	Harvested:	9/13/2021
Brand:	Pioneer 36A83X	Moisture:	12.4
Herbicide:	Roundup, Dicamba, Zidua SC, Eugenia	Acreage:	3.3100
Insecticide:	Sultros	Tillage:	Conventional
Fungicide:	Miravis Top	Planting Population:	140,000
Fertility:	2 tons turkey litter	Yield/Acre:	91.56

KNOTT FARMS

Planted:	4/9/2021	Harvested:	9/7/2021
Brand:	AgriGold G2905XF	Moisture:	14.6
Herbicide:	Zidua SC, 2,4-D, Glyphosate, Engenia	Acreage:	4.0190
Insecticide:	Hero	Tillage:	Conventional
Fungicide:	Priaxor	Planting Population:	122,797
Fertility:	None	Yield/Acre:	91.02

KEN-MAUR FARMS

Planted:	4/19/2021	Harvested:	10/9/2021
Brand:	AgriGold AG3520RX	Moisture:	12.8
Herbicide:	Glyphosate, Dicamba, Zidua SC, Anthem Maxx	Acreage:	3.5980
Insecticide:	Lambda, Bifenthrin	Tillage:	Conventional
Fungicide:	Priaxor, Propiconazole	Planting Population:	110,000
Fertility:	None	Yield/Acre:	88.59
Fertility:	None		

PPJ THOMPSON FARMS

Planted:	4/5/2021	Harvested:	9/14/2021
Brand:	Pioneer P34T21E	Moisture:	13.5
Herbicide:	Enlist Duo, Canopy, Fire Zone, Everpre X	Acreage:	3.2130
Insecticide:	None	Tillage:	No-Till
Fungicide:	None	Planting Population:	140,000
Fertility:	None	Yield/Acre:	87.37

COLE HAMILTON FARMS

Planted:	4/23/2021	Harvested:	9/27/21`
Brand:	NK 37-V4E3S	Moisture:	11.0
Herbicide:	Roundup, Zidua Pro, 2,4-D, Liberty, Enlist One, Clethodim	Acreage:	3.2690
Insecticide:	Endigo	Tillage:	Conventional
Fungicide:	Miravis Top	Planting Population:	140,000
Fertility:	300# K ₂ O	Yield/Acre:	83.45

SPARKS FARMS

Planted:	4/20/2021	Harvested:	10/17/2021
Brand:	Asgrow AG35XF1	Moisture:	13.1
Herbicide:	Roundup, Verdict, Boundary, Flexstar, Zidua	Acreage:	3.0769
Insecticide:	Indigo	Tillage:	Conventional
Fungicide:	Miravis Top	Planting Population:	140,000
Fertility:	120# K ₂ O	Yield/Acre:	79.21

PPJ THOMPSON FARMS

Planted:	4/6/2021	Harvested:	9/27/2021
Brand:	Pioneer P37T33E	Moisture:	11.7
Herbicide:	Enlist Duo, Canopy, Fire Zone, Everpre X	Acreage:	3.2120
Insecticide:	None	Tillage:	No-Till
Fungicide:	None	Planting Population:	140,000
Fertility:	None	Yield/Acre:	75.31

KEVIN & CLINT HARDY

Planted:	4/5/2021	Harvested:	9/30/2021
Brand:	Beck's 3910E3	Moisture:	13.0
Herbicide:	1 qt. Glyphosate, 1 pt. 2,4-DLV6, 10 oz. Authority Assist, 1 qt. Liberty, 5 oz. Zidua SC	Acreage:	40.0000
Insecticide:	None	Tillage:	No-Till
Fungicide:	None	Planting Population:	132,000
Fertility:	18# N, 69# P ₂ O ₅ , 90# K ₂ O	Yield/Acre:	73.57

PPJ THOMPSON FARMS

Planted:	4/6/2021	Harvested:	9/27/2021
Brand:	Pioneer P38T05E	Moisture:	11.7
Herbicide:	Enlist Duo, Canopy, Fire Zone, Everpre X	Acreage:	3.9800
Insecticide:	None	Tillage:	No-Till
Fungicide:	None	Planting Population:	140,000
Fertility:	None	Yield/Acre:	70.98

COLE HAMILTON FARMS

Planted:	5/12/2021	Harvested:	10/27/2021
Brand:	NK 37-Z9XF	Moisture:	14.4
Herbicide:	Roundup, Zidua Pro, 2,4-D, Liberty, Enlist One, Clethodim	Acreage:	4.7824
Insecticide:	Endigo	Tillage:	Conventional
Fungicide:	Miravis Top	Planting Population:	140,000
Fertility:	300# K ₂ O	Yield/Acre:	69.88

DIVISION II - Double Crop

GOETZ BROTHERS FARMS

Planted:	6/25/2021	Harvested:	11/4/2021
Brand:	Asgrow AG40XF1	Moisture:	13.1
Herbicide:	Roundup, Prefix	Acreage:	3.3270
Insecticide:	Hero	Tillage:	No-Till
Fungicide:	Trivapro	Planting Population:	160,000
Fertility:	3.5 gals. 3-18-18	Yield/Acre:	79.06

GOETZ BROTHERS FARMS

Planted:	6/25/2021	Harvested:	11/4/2021
Brand:	Asgrow AG40XF1	Moisture:	13.2
Herbicide:	Roundup, Prefix	Acreage:	3.9500
Insecticide:	Hero	Tillage:	No-Till
Fungicide:	Trivapro	Planting Population:	160,000
Fertility:	3.5 gals. 3-18-18	Yield/Acre:	75.77

KEN-MAUR FARMS

Planted:	6/19/2021	Harvested:	10/27/2021
Brand:	Beck's 4119RX	Moisture:	14.4
Herbicide:	2 qts. Roundup	Acreage:	3.2000
Insecticide:	None	Tillage:	No-Till
Fungicide:	Priaxor, Propi-Star EC	Planting Population:	150,000
Fertility:	None	Yield/Acre:	68.05

PPJ THOMPSON FARMS

Planted:	6/25/2021	Harvested:	11/4/2021
Brand:	Pioneer P38T05E	Moisture:	13.0
Herbicide:	Enlist Duo, Canopy, Fire Zone, Everpre X	Acreage:	4.7930
Insecticide:	None	Tillage:	No-Till
Fungicide:	None	Planting Population:	140,000
Fertility:	None	Yield/Acre:	57.17

Table 4. 2021 Kentucky Soybean Variety Performance Tests, Recommended Table

BRAND VARIETY	YIELD (BU/AC) ^{A/B}			LODGING		Technologies	PROTEIN ^{A/C}			OIL ^{A/C}		
	2021	2020-2021	2019-2021	2021	2020-2021		2021	2020-2021	2019-2021	2021	2020-2021	2019-2021
MATURITY GROUP II (relative MG 2.0-2.9)^E												
AGRIGOLD G2905XF	65.6	NA	NA	2.3	XtendFlex	38.0	NA	NA	20.6	NA	NA	
ASGROW AG29XF1	64.3	NA	NA	1.0	XF	37.4	NA	NA	20.5	NA	NA	
USG 7282XFS ^D	49.1	NA	NA	2.5	XF/STS	38.5	NA	NA	20.8	NA	NA	
GROUP II AVERAGE												
LSD (0.10)	59.7			1.9		38.0			20.6			
C.V.	4.3					0.3			0.2			
	5.8					1.0			1.4			
MATURITY GROUP III (relative MG 3.0-3.9)												
DYNA-GRO S39EN19	78.1	73.6	72.3	2.1	Enlist	36.3			21.1			
ARMOR 39-E75	78.1			1.9	E3	37.3		35.2	20.6		19.9	
DYNA-GRO S39XF41	78.0			2.1	XTFlex	37.8			19.9			
USG 7392XFS	77.8			2.1	XF/STS	38.3			19.8			
NUTECH SEED 39N04E	77.1	72.1		1.8	E3	36.8		35.6	20.3		19.9	
ARMOR 39-F73	76.5			2.1	XtendFlex	36.7			20.1			
AGRIGOLD G3451E3 ^D	75.6			3.2	Enlist, STS	36.0			22.2			
NUTECH SEED 37N01E	75.4			1.5	E3	37.9			20.5			
SEED CONSULTANTS SC 7381E TM	75.2	71.6		1.7	E3/Enlist	36.7		35.2	20.6		20.2	
GH 3762E3S	74.7			2.7	Enlist/STS	36.0			21.0			
STINE 39EC22	74.3			1.6	E3	35.8			21.3			
XO 3651E	74.0			1.9	Enlist	36.6			21.4			
DYNA-GRO S3961STS	74.0	68.6		1.6	Conv	38.1		36.5	19.3		19.1	
B389EE	73.9	69.5		1.8	Enlist E3	35.6		34.3	21.3		20.8	
SEED CONSULTANTS SC 7372E TM	73.6			1.6	E3/Enlist	37.6			20.5			
LS3908XFS	73.2			2.1	XtendFlex/STS	38.4			19.6			
XO 3861E	73.2			1.5	Enlist	36.6			21.1			
AGRIGOLD G3506XF ^D	73.0			2.2	XtendFlex, STS	37.1			20.8			
NUTECH SEED 35N03E	73.0			2.2	E3	36.7			21.2			
NUTECH SEED 39N05E	72.6	69.0		1.8	E3	35.9		34.4	21.4		20.8	
STINE 36EE12	72.4			2.7	E3	36.9			22.0			
ASGROW AG38XF1	71.9			1.7	XF	36.9			20.4			
GH 3732XF	71.8			1.8	XtendFlex	35.9			20.7			
ASGROW AG37XF2	71.7			1.8	XF	39.4			20.2			

BRAND VARIETY	YIELD (BU/AC) ^{A/B}			LODGING			PROTEIN ^{A/C}			OIL ^{A/C}			
	2021	2020-2021	2019-2021	2021	2020-2021	2019-2021	2021	2020-2021	2019-2021	2021	2020-2021	2019-2021	
	Technologies			Technologies			Technologies			Technologies			
SEED CONSULTANTS SC 7361E™	71.1			1.8			E3/Enlist	36.8			21.5		
GH 3952XF	71.0			1.8			XtendFlex	36.1			20.9		
AGRIGOLD G3724XF	70.8			2.4			XtendFlex	37.5			19.8		
CHANNEL 3521RXF	70.5			1.8			XtendFlex	36.6			20.8		
ASGROW AG35XF1	70.0			1.9			XF	37.1			20.9		
CHANNEL 3721RXF	69.7			2.4			XtendFlex/SR	38.9			19.6		
AGRIGOLD G3520RX	69.3			1.8			Xtend	37.9			20.4		
PIONEER P36A83X	68.9	69.6		1.7			RR2X	36.2	34.7		20.5	20.1	
PIONEER P39A45X	68.8			1.4			RR2X	35.3			22.0		
Partners Brand Seed PB 3722 E3S	68.4			2.1			E3, STS	36.5			21.4		
STEWART 3531XF	68.2			1.6			XF	36.7			21.0		
GH 3512E3S	67.9			3.2			Enlist/STS	36.7			21.6		
STEWART 3632XF	67.4			1.4			XF	37.1			20.6		
STEWART 3731XF	66.9			2.6			XF	38.9			19.7		
STEWART 3931XF	64.6			1.5			XF	38.0			20.2		
ASGROW AG30XF2	58.9			1.7			XF	39.3			19.8		
GROUP III AVERAGE	72.0	70.6	72.3	2.0				37.1	35.2	35.2	20.7	20.2	19.9
LSD (0.10)	5.4	3.4						0.6	0.4	0.4	0.4	0.3	
C.V.	5.6	5.1						1.2	1.3	1.3	1.3	1.4	
MATURITY GROUP IV EARLY (relative MG 4.0-4.5)													
ARMOR 44-E44	82.5	75.7		2.0			Enlist	36.9	35.2		20.6	20.0	
GH 4392XF	80.9			2.4			XtendFlex	36.4			20.8		
NUTECH SEED 43N04E	80.6	77.0		2.4			E3	34.9	33.4		21.8	21.0	
GH 4452XFS	80.4			1.5			XtendFlex/STS	36.2			20.5		
B421EE	80.3			2.9			Enlist E3	35.4			21.6		
DYNA-GRO S43XS70	80.1	74.2	72.4	1.8			Xtend	36.8			20.1		
ARMOR 45-D20	80.1			2.4			XT/STS	36.5	35.2	34.9	20.1	19.5	19.4
LS4299XS	79.9	73.7	73.1	1.7			Xtend/STS	36.7	35.2	35.0	20.0	19.8	19.5
DYNA-GRO S41EN72	79.7			2.8			E3	34.9			21.7		
UNIVERSITY OF MISSOURI S17-2243C	79.3			1.7			CONV	36.0			20.7		
ASGROW AG43XF2	78.9			1.5			XF	35.6			21.5		
DYNA-GRO S45ES10	78.9	75.1		1.9			E3/STS	37.0	35.4		20.7	19.9	
B450EE	78.8			2.2			Enlist E3	35.9			21.8		
LS4415XF	78.6			2.2			XtendFlex	36.5			20.2		
HS 45E00	78.5	72.7		1.6			E3	35.8	34.5		20.8	20.2	
NUTECH SEED 41N03E	78.3	73.0		1.6			E3	37.4	35.6		19.9	19.4	

BRAND VARIETY	YIELD (BU/AC) ^{A/B}			LODGING			PROTEIN ^{A/C}			OIL ^{A/C}			
	2021	2020-2021	2019-2021	2021	2020-2021	2019-2021	2021	2020-2021	2019-2021	2021	2020-2021	2019-2021	
							Technologies						
PIONEER P42A96X	78.2	71.8	71.4	1.4			RR2X	36.3	35.0	34.6	20.8	20.4	20.3
STINE 41EB32	78.2	74.8		1.8			E3	36.9	35.3		20.9	20.2	
AGRIGOLD G4255RX ^D	78.2	73.6		1.7			Xtend, STS	36.7	34.8		19.6	19.3	
HS 44F10	78.0			1.9			XtendFlex	36.9			19.8		
DYNA-GRO S4122STS	77.8			2.7			Conv	38.2			20.3		
LS4517XFS	76.8			2.7			XtendFlex/STS	37.6			20.0		
ASGROW AG42XF0	76.7			2.4			XF	36.7			21.2		
SEED CONSULTANTS SC 7421 TM	76.6	72.7		2.8			E3/Enlist	36.8	35.0		21.3	20.6	
B459EE	76.4	71.8		2.0			Enlist E3	37.2	35.3		20.5	20.1	
CHANNEL 4422RXF	75.7			2.1			XtendFlex/SR	37.4			20.1		
GH 4072E3	75.1			1.4			Enlist	36.9			20.5		
ASGROW AG40XF1	75.1			1.6			XF/SR	38.5			20.4		
STEWART 4442XF	74.5			2.1			XF	36.4			19.9		
Partners Brand Seed PB423 E3 STSn	74.4	71.4		1.7			E3, STS	37.9	36.1		20.4	19.8	
USG 7441XF	74.3			2.1			XF	38.3			19.6		
B400EE	74.2	71.7		1.3			Enlist E3	36.7	35.3		21.5	20.7	
STINE 44EC20	74.2			1.9			E3	37.5			20.4		
XO 4371E	73.7			2.2			Enlist	37.0			21.3		
STINE 42EE20	73.0			2.4			E3	37.8			19.0		
ASGROW AG40XF0	73.0			1.4			XF	38.1			20.4		
ASGROW AG45XF0	72.9			3.0				35.2			20.9		
HS 41F00	72.2			1.9			XtendFlex/STS	37.0			19.9		
DYNA-GRO S43XF51	72.2			2.4			XTFlex	38.2			19.8		
STEWART 4231XF	72.0			1.7			XF	37.0			19.9		
DONMARIO DM42F62S	72.0			2.7			XtendFlex	36.2			20.1		
DYNA-GRO S43EN61	71.9	70.2		2.5			E3	37.1	35.4		21.4	20.9	
HS 40F10 ^D	67.2			2.8			XtendFlex	35.7			20.1		
AGRIGOLD 4100XF ^D	66.2			2.5			XtendFlex	36.2			19.9		
GROUP IV EARLY AVERAGE	76.3	73.3	72.3	2.1				36.8	35.1	34.8	20.5	20.1	19.7
LSD (0.10)	5.4	3.9	2.9					0.6	0.4	0.3	0.4	0.3	0.2
C.V.	5.3	5.4	5.0					1.2	1.3	1.2	1.3	1.4	1.4
MATURITY GROUP IV LATE (relative MG 4.6-4.9)													
PIONEER P47A64X	89.3			2.1			RR2X	35.6			19.8		
DYNA-GRO S48XT56	86.6	75.3	72.6	1.6			XT	37.2	35.8	35.6	19.6	19.0	18.8
PIONEER P46A86X	86.2	76.6		2.3			RR2X	36.4	34.6		19.6	19.7	

BRAND VARIETY	YIELD (BU/AC) ^{A/B}			LODGING			PROTEIN ^{A/C}			OIL ^{A/C}		
	2021	2020-2021	2019-2021	2021	2020-2021	2019-2021	2021	2020-2021	2019-2021	2021	2020-2021	2019-2021
				Technologies								
ARMOR 46-F13	86.2			2.6			XtendFlex	36.6			19.8	
HS 46F00	85.2			2.2			XtendFlex/STS	35.8			20.0	
ARMOR 48-F22	84.2			1.9			XtendFlex	35.8			20.3	
LS4806XS	83.8	74.8		1.7			Xtend/STS	36.6	35.4		20.5	20.0
ARMOR 48-D25	83.5	75.5	73.0	1.8			Xtend	35.8	34.8	34.8	20.6	19.9
LS4606XFS	83.5			2.2			XtendFlex/STS	35.8			19.9	
HS 48F00	83.4			1.7			XtendFlex/STS	35.5			20.3	
AGRIGOLD G4615XF	83.3			2.3			XtendFlex, STS	35.5			20.2	
ASGROW AG48XF2	83.3			2.6			XF	36.7			19.9	
STINE 46EE20	82.9			1.8			E3	37.4			20.0	
DYNA-GRO S46XF31S	82.9			2.4			XTFlex	35.7			19.8	
USG 7461XFS	82.8			1.8			XF/STS	35.7			20.1	
ASGROW AG47XF0	82.6			1.6			XF/SR	36.0			20.1	
LS4795XS	82.1	74.9	71.0	1.8			Xtend/STS	36.7	35.1	34.8	20.5	20.1
DYNA-GRO S4751STS	82.0	73.0		2.3			Conv	35.6	34.0		20.8	20.2
B470EE	81.8	73.9		1.8			Enlist E3	35.7	34.2		21.2	20.4
NUTECH SEED 46N02E	81.7	74.0		2.3			E3	35.7	33.9		21.7	21.3
STEWART 4730XF	81.4			2.1			XF	36.0			20.0	
DYNA-GRO S46ES91	81.3	73.0		1.9			E3/STS	36.6	35.1		20.5	19.9
STINE 48EE20	81.1			2.6			E3	36.4			20.0	
UNIVERSITY OF MISSOURI S17-2193C	80.7			2.4			CONV	36.0			20.1	
XO 4681E	80.7			1.9			Enlist	36.9			20.1	
USG 7472XFS	80.7			3.2			XF/STS	36.9			19.8	
USG 7461XTS	80.4	74.5		2.6			XT	35.8	34.5		20.4	20.0
DYNA-GRO S46XS60	80.2	72.9	71.5	1.6			XT/STS	36.4	34.9	34.9	20.4	20.0
SEED CONSULTANTS SC 7461™	79.5			1.8			E3/Enlist	36.8			20.4	
LS4919XFS	79.3			2.4			XtendFlex/STS	36.4			20.0	
LS4805XFS	79.3			1.9			XtendFlex/STS	35.7			20.3	
ASGROW AG48XF0	79.0			2.4			XF/SR	35.4			19.7	
USG 7491XFS	78.5			1.9			XF/STS	35.9			20.2	
STINE 47EE20	78.4			2.7			E3	37.4			19.3	
UNIVERSITY OF MISSOURI S16-5503R	77.9			4.8			RR1	38.0			19.4	
UNIVERSITY OF MISSOURI S16-14801C	77.9			4.6			CONV	37.0			19.9	
CHANNEL 4720RXF	77.8			2.2			XtendFlex/SR	36.8			19.3	
NUTECH SEED 48N06E	77.4			2.8			E3	36.7			20.3	
DONMARIO DM46F62	76.5			2.4			XtendFlex	36.1			19.8	
UNIVERSITY OF MISSOURI S16-8898C	76.0			4.7			CONV	37.3			20.4	
DYNA-GRO S49EN12	75.8			2.4			E3	36.9			19.2	

BRAND VARIETY	YIELD (BU/AC) ^{A/B}			LODGING		PROTEIN ^{A/C}			OIL ^{A/C}		
	2021	2020-2021	2019-2021	2021	Technologies	2021	2020-2021	2019-2021	2021	2020-2021	2019-2021
STINE 47EB32	74.2			2.4	E3	36.8			19.6		
HS 48E10	74.1			3.2	E3/STS	35.8			19.4		
UNIVERSITY OF MISSOURI S16-12137C	73.8			2.7	CONV	36.2			20.1		
CZ 4892XF	72.6			1.4	Xtend Flex	36.3			19.6		
CZ 4912XF	72.4			2.2	Xtend Flex	37.1			19.8		
DONMARIO DM48E62S	71.7			2.8	Enlist	37.5			19.8		
UNIVERSITY OF MISSOURI S09-13608C	71.6			2.8	CONV	37.1			19.0		
CZ 4742XF	70.3			1.9	Xtend Flex	38.0			19.8		
LS4707XF	70.0			3.1	XtendFlex	35.5			20.6		
USG 7481XF	69.9			3.1	XF	35.5			20.6		
DONMARIO DM46E62 ^D	69.4			3.0	Enlist	35.0			20.3		
PENNYRILE (long term check-released 1987)	56.1	52.3	51.8	1.9	CONV-PUB	39.4	37.8	37.2	19.8	19.5	19.4
GROUP IV LATE AVERAGE	78.9	72.5	68.0	2.4		36.4	35.0	35.5	20.0	20.0	19.5
LSD (0.10)	5.6	3.5	2.7			0.7	0.5	0.3	0.5	0.3	0.2
C.V.	5.3	4.9	4.7			1.5	1.3	1.2	1.7	1.5	1.5
MATURITY GROUP V (relative MG 5.0-5.9)^E											
UNIVERSITY OF MISSOURI S16-9090C	83.4		NA	3.9	CONV	36.1		NA	20.2	NA	NA
UNIVERSITY OF MISSOURI S16-7840C	77.2		NA	4.3	CONV	36.9		NA	19.2	NA	NA
UNIVERSITY OF MISSOURI S16-15170C	75.8	68.3	NA	2.9	CONV	37.2	35.7	NA	18.9	18.6	NA
LS5119XF	75.4		NA	2.2	XtendFlex	34.7		NA	20.8	NA	NA
LS5009XS	75.2	69.6	NA	3.5	Xtend/STS	37.2		NA	19.1	18.7	NA
UNIVERSITY OF MISSOURI S16-9478C	74.6		NA	4.2	CONV	37.1		NA	19.6	NA	NA
ESSEX (long term check-released 1974)	58.3	56.7	NA	2.0	CONV-PUB	38.6	36.9	NA	19.4	19.1	NA
GROUP V AVERAGE	74.3	64.9		3.3		36.8	36.3	36.3	19.6	18.8	
LSD (0.10)	5.5	3.6				1.1	0.6	0.8	0.8	0.8	
C.V.	5.4	5.4				2.1	1.7	2.9	2.9	4.1	

^A Within a maturity group, shaded yield are not significantly different (0.10) from the highest yielding cultivar (bold) of that maturity group and year column.

^B The 2021 yield data were collected at the Caldwell Co., Calloway Co., Fayette Co., Hancock Co., Muhlenberg Co., and Pulaski Co. The 2020 yield data were collected at the Allen Co., Caldwell Co., Calloway Co., Christian Co., Cumberland Co., Fayette Co., Hancock Co., Muhlenberg Co., and Meade Co. test sites. The 2019 yield data were collected in Allen Co., Caldwell Co., Calloway Co., Christian Co., Cumberland Co., Fayette Co., Meade Co., and McLean Co.

^C The 2021 oil and protein samples were collected at the Caldwell Co., Fayette Co., and Hancock Co. test sites. The 2019-2020 oil and protein samples were collected at the Caldwell Co., Calloway Co., and Fayette Co. test sites.

KENTUCKY EXTENSION WHEAT PRODUCTION CONTEST DAVISS COUNTY ENTRIES

DIVISION I

GLENN THOMPSON

Planted:	10/16/2020	Harvested:	6/24/2021
Brand:	Pioneer 25R59	Moisture:	12.6
Herbicide:	.9 oz/ac Harmony	Acreage:	4.8200
Insecticide:	2 oz./ac Lambda T	Tillage:	Conventional
Fungicide:	13.7 oz./ac Miravis Ace	Yield/Acre:	131.93
Fertility:	36# N, 92# P ₂ O ₅ , 120# K ₂ O, 17.5# S		

DIVISION II

TANNER STROUP

Planted:	10/12/2020	Harvested:	6/21/2021
Brand:	Croplan 9606	Moisture:	18.1
Herbicide:	Roundup Burndown	Acreage:	3.8900
Insecticide:		Tillage:	No-Till
Fungicide:	Miravis Top	Yield/Acre:	129.57
Fertility:	127# N, 69# P ₂ O ₅ , 90# K ₂ O		

JEFF COKE

Planted:	10/8/2020	Harvested:	6/23/2021
Brand:	Pioneer 25R50	Moisture:	16.5
Herbicide:		Acreage:	5.3300
Insecticide:	Warrior	Tillage:	No-Till
Fungicide:	Folicur, Quilt, Miravis	Yield/Acre:	122.43
Fertility:	157# N, 90# P ₂ O ₅ , 120# K ₂ O, 10# S		

JEFF COKE

Planted:	10/11/2020	Harvested:	6/25/2021
Brand:	Pioneer 25R50	Moisture:	13.2
Herbicide:		Acreage:	3.4300
Insecticide:	Warrior	Tillage:	No-Till
Fungicide:	Folicur, Quilt, Miravis	Yield/Acre:	118.68
Fertility:	157# N, 90# P ₂ O ₅ , 120# K ₂ O, 10# S		

JEFF RICE

Planted:	11/7/2020	Harvested:	6/24/2021
Brand:	Pembroke 2021	Moisture:	16.0
Herbicide:	Zidua, Metribuzin	Acreage:	7.0100
Insecticide:	Tombstone	Tillage:	No-Till
Fungicide:	Miravis Ace	Yield/Acre:	94.94
Fertility:	137# N, 69# P ₂ O ₅ , 90# K ₂ O, 100#Sul-4-Plus, CropKrab		

PPJ THOMPSON FARMS

Planted:	10/18/2020	Harvested:	6/24/2021
Brand:	AgriMaxx 475	Moisture:	13.0
Herbicide:	.75 oz. Harmony	Acreage:	3.7500
Insecticide:	.28 oz. Lambda	Tillage:	No-Till
Fungicide:	None	Yield/Acre:	83.23
Fertility:	108# N, 2 tons turkey litter		



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