

2020 Kentucky Extension

Corn Yield Contest

University of Kentucky, Kentucky Corn Growers Association and supporting Agribusinesses.

Grower/Farm		County	Brand	Hybrid	Yield, bu/A
State Winners, Tillage & No-Tillage, Non-Irrigated KyCorn "Jack Crowner" Travelling Trophy					
State Champion	Kevin Hayden	Carlisle	DeKalb	DKC65-95RIB	324.98
2nd Place	Ballance Farm, Bill Ballance Jr.	Warren	Channel	215-60 RR2	318.89
3rd Place	Sparks Farms	Daviess	DeKalb	DKC70-27RIB	309.32
State Winners, White Corn, Non-Irrigated Pioneer Traveling Trophy					
State Champion	Bobby and Austin Glenn	Daviess	Pioneer	P1618W	264.17
2nd Place	PPJ Thompson Farms	Daviess	Pioneer	P1656W	259.80
3rd Place	Hopson Farms	Henderson	Pioneer	P1656W	250.65
State Winners, Irrigated Corn Travelling Trophy					
State Champion	Dennis McKay	Henderson	AgriGold	A648-54STX	279.83
2nd Place	Walnut Grove Farms	Logan	Pioneer	P1870 (non-GMO)	278.09
3rd Place	Schwenke Bros. Farms	Boone	Pioneer	P1077AM	271.35
District Winners, Tillage and No-Tillage					
District 2 Tillage	Teresa Turner	Christian	AgriGold	A6659	268.92
District 3 Tillage	Darrell Hagan	Daviess	Croplan	CP5370VT2P RIB	297.16
District 4 Tillage	Chris Kummer, Oak Hill Farms LLC	Simpson	Beck's	6274VT2P	284.40
District 6 Tillage	Donald Poore	Cumberland	Beck's	B6415V2P	292.59
District 1 No-Till	Jordan Michael Hancock, Hancock Family Farms	Fulton	DeKalb	DKC67-44RIB	283.60
District 2 No-Till	Gifford Turner	Todd	AgriGold	A6711	298.35
District 3 No-Till	Landon Taylor, Triple T Farms	Daviess	Dyna-Gro	D58VC65RIB	284.90
District 4 No-Till	Kenny Straney	Meade	Dyna-Gro	D55VC80	284.23
District 5 No-Till	Scott Ebelhar, Peterson Farms	Mercer	DeKalb	DKC64-32	305.20
District 6 No-Till	Clint Poore	Cumberland	Beck's	6414V2P	254.10

NCGA Corn Contest Winners for Kentucky are available at: www.ncga.com

Supervisor	Position	Division	County	Top Three Average Yield, bu/A	Total Entries Supervised†
Curt Judy	ANR Extension Agent	No-Till	Todd	291.02	6
Clint Hardy	ANR Extension Agent	Tillage	Daviess	298.33	22
Clint Hardy	ANR Extension Agent	White Corn	Daviess	258.52	3
Michael Smith, Andrew Rideout	ANR & Horticulture Agents	Irrigated	Henderson	267.37	6
Other Supervisor with Three or More Entries					
Meagan Diss	ANR Extension Agent	Tillage	Union	274.59	4

† Total Entries Supervised in that Division.



2020 Corn Yield Contest

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Supervisors with at least Three Entries Supervised		Total Entries Supervised Across all Divisions & Counties
Clint Hardy	ANR Extension Agent	28
Curt Judy	ANR Extension Agent	7
Michael Smith & Andrew Rideout	ANR & Hort Extension Agents	7
Bill Brinkley	WheatTech	4
Meagan Diss	ANR Extension Agent	4
Samantha Anderson	ANR Extension Agent	3
Matt Adams	ANR Extension Agent	18

Grower/Farm		County	Brand	Hybrid	Yield, bu/A
300 Bushel Club					
No-Till	Kevin Hayden	Carlisle	DeKalb	DKC65-95RIB	324.98
Tillage	Ballance Farm, Bill Ballance Jr.	Warren	Channel	215-60 RR2	318.89
Tillage	Sparks Farms	Daviess	DeKalb	DKC70-27RIB	309.32
No-Till	Scott Ebelhar, Peterson Farms	Mercer	DeKalb	DKC64-32	305.20
250 Bushel Club					
No-Till	Albert Peterson, Peterson Farms	Mercer	AgriGold	A6572	298.57
No-Till	Gifford Turner	Todd	AgriGold	A6711	298.35
Tillage	Darrell Hagan	Daviess	Croplan	CP5370VT2P RIB	297.16
No-Till	Gifford Turner	Todd	AgriGold	A6544	292.84
Tillage	Donald Poore	Cumberland	Beck's	B6415V2P	292.59
Tillage	Tom Goetz, Goetz Bros. Farms	Daviess	DeKalb	DKC70-27	288.51
No-Till	Bernard Peterson, Peterson Farms	Boyle	Pioneer	P1442	287.19
Tillage	O'Bryan Grain Farms	Daviess	DeKalb	DKC67-44VT2P	287.18
Tillage	Tom Goetz, Goetz Bros. Farms	Daviess	AgriGold	A648-58 STX	285.22
Tillage	Sparks Farms	Daviess	DeKalb	DKC70-27PRIB	285.20
No-Till	Landon Taylor, Triple T Farms	Daviess	Dyna-Gro	D58VC65RIB	284.90
Tillage	Chris Kummer, Oak Hill Farms LLC	Simpson	Beck's	6274VT2P	284.40
No-Till	Kenny Straney	Meade	Dyna-Gro	D55VC80	284.23
Tillage	Scott Zoglmann, Zoglmann Bros. Farms	Daviess	DeKalb	DKC68-69VT3	284.09
No-Till	Jordan Michael Hancock, Hancock Family Farms	Fulton	DeKalb	DKC67-44RIB	283.60
Tillage	Tom Goetz, Goetz Bros. Farms	Daviess	AgriGold	A6544VT2 RIB	282.42
No-Till	Gifford Turner	Todd	Pioneer	P1464	281.86
Tillage	Tom Goetz, Goetz Bros. Farms	Daviess	DeKalb	DKC67-44VT2P	281.05
Irrigated	Kyle Dixon (late entry)	Fulton	DeKalb	DKC66-18RIB	279.89
Irrigated	Dennis McKay	Daviess	AgriGold	648-54STX	279.83
Irrigated	Walnut Grove Farms	Logan	Pioneer	P1870 (non-GMO)	278.09
Tillage	Wells Bros.	Union	DeKalb	DKC63-91 RIB	277.57
Tillage	Scott Ebelhar, Ken-Maur Farms	Daviess	AgriGold	A639-70	277.19
No-Till	Garret Heart	Ohio	AgriGold	A6711	275.63
No-Till	Ethan Straney	Meade	DeKalb	DKC68-69VT2P RIB	274.17
Tillage	Cody Crowdus	Union	Dyna-Gro	D55VC80	273.96
No-Till	John Martin	Todd	AgriGold	A6572	273.81
No-Till	Maurice Chester	Todd	DeKalb	DKC63-57	273.43
Irrigated	Mark Thomas	Hardin	AgriGold	A648-54	273.43
No-Till	Kevin Smith, Dusty Feathers Farms	Shelby	Wyffels	W7450	273.23
Tillage	Andrew Bullock	Muhlenberg	DeKalb	DKC70-27	273.15
Irrigated	Armistead Farms - Joel M. Armistead	Logan	DeKalb	DKC70-27RIB	272.97
Tillage	Greenwell Farms	Union	Channel	219-77	272.25
No-Till	Kyle Dixon	Fulton	DeKalb	DKC65-99RIB	271.79
Irrigated	Schwenke Bros. Farms	Boone	Pioneer	P1077AM	271.35
Tillage	Teresa Turner	Christian	AgriGold	A6659	268.92
Tillage	Hardesty Farms	Union	AgriGold	A641-06VT2RIB	268.65
Irrigated	Armistead Farms - Joel M. Armistead	Logan	AgriGold	A6544 VT2RIB	268.41
No-Till	Tanner Stroup	Daviess	DeKalb	DKC64-95	268.35

2020 Corn Yield Contest

Available online at: www.KyGrains.info

No-Till	Larry Thomas	Hardin	AgriGold	A6499 STX	268.19
Irrigated	Armistead Farms - Joel M. Armistead	Logan	DeKalb	DKC70-27RIB	268.02
Irrigated	Drew Langley	Hardin	DeKalb	DKC67-44RIB	266.75
Tillage	Wayne Glenn	Daviess	Pioneer	P1197AM	266.16
Tillage	Monty Parrish	Henderson	Pioneer	P1847 AML	265.97
Tillage	Greg Thomas	Hardin	DeKalb	DKC65-95RIB	265.94
Tillage	Larry Parrish, Parrish Farms	Henderson	Pioneer	P1464 AML	264.79
No-Till	CJ Stuecker Farms	Hardin	AgriGold	A647-90	264.58
White Corn	Bobby and Austin Glenn	Daviess	Pioneer	P1618W	264.17
Tillage	Knott Farms	Daviess	AgriGold	A641-06	264.17
Irrigated	Martin Mitchell	Daviess	AgriGold	A6544	262.12
Tillage	Jason Hagan	Daviess	AgriGold	A4854STX	261.22
Irrigated	Phillip Meredith	Henderson	Beck's	6557	261.08
Tillage	Strode Farms	Daviess	AgriGold	A6544STX	261.05
Tillage	Bobby and Austin Glenn	Daviess	Pioneer	P1197	261.05
Irrigated	Drew Langley	Hardin	DeKalb	DKC67-44RIB	260.74
Tillage	Tom Goetz, Goetz Bros. Farms	Daviess	Dyna-Gro	58VC65	260.32
White Corn	PPJ Thompson Farms	Daviess	Pioneer	P1656W	259.80
Irrigated	Wesley Thomas	Hardin	AgriGold	A648-54	259.51
Irrigated	Summer Langley	Hardin	AgriGold	A644-32	259.38
Irrigated	Phillip Meredith	Henderson	Beck's	6374	258.76
Tillage	Flatlick Grain Farms	Daviess	AgriGold	A6544VT2RIB	257.58
Tillage	Flatlick Grain Farms	Daviess	Pioneer	P1464AML	257.24
Irrigated	Meredith Lea	Henderson	AgriGold	648-54	256.59
Tillage	Cole Hamilton	Daviess	Syngenta	NK 1082-3330A	255.85
Irrigated	Mark Thomas	Hardin	DeKalb	DKC67-44RIB	255.60
No-Till	Neal Mathis	Carlisle	Armor Seed	1447 VT2P	254.25
No-Till	Clint Poore	Cumberland	Beck's	6414V2P	254.10
Irrigated	Phillip Meredith	Henderson	AgriGold	6711	253.77
Tillage	Stephen Farms	Daviess	AgriGold	A6572VT2RIB	252.70
Tillage	Wimp Farms	Hardin	DeKalb	DKC67-44RIB	251.89
White Corn	PPJ Thompson Farms	Daviess	Pioneer	P1618W	251.59
White Corn	Phillip Rogers	Hardin	Pioneer	P1620WAM	250.89
No-Till	Kathy Smith, Dusty Feather Farms	Franklin	DeKalb	DKC64-32	250.82
White Corn	Hopson Farms	Henderson	Pioneer	P1656	250.65
White Corn	Phillip Rogers	Hardin	Pioneer	P1620WAM	250.01
Other Entries					
Tillage	Wimp Farms	Hardin	DeKalb	DKC67-44RIB	249.58
Irrigated	Mark Thomas	Hardin	Caverndale	CF859	248.80
No-Till	Hodskins Farms	Daviess	AgriGold	A6572	248.63
Tillage	Stephen Farms	Daviess	AgriGold	A641-06VT2RIB	245.43
Tillage	Mark Thomas	Hardin	AgriGold	A644-32	244.67
No-Till	John Wilson	Graves	Pioneer	1847 AML	244.38
White Corn	Jed Clark	Graves	Pioneer	P1656 WAM	240.86
No-Till	Jed Clark	Graves	Pioneer	1464 AML	239.72
Tillage	Elliott Farms	Daviess	AgriGold	6499VT2P	235.48
Tillage	Ken-Maur Farms	Daviess	AgriGold	A6544VT2RIB	234.10
Irrigated	Ralph W. Adams, Adams Farms	Fulton	Pioneer	P2042AML	233.04
No-Till	Langley Brothers	Shelby	Channel	217-80 (non GMO)	232.38
No-Till	KSW Farms	Wayne	Croplan	5678	227.17
No-Till	Tyler Lear, Lear Farms LLC	Todd	LG Seeds	LG5650	225.79
Tillage	Wimp Farms	Hardin	Stewarts	7E224	222.37
No-Till	Thomas Kelsay	Wayne	Beck's	6589	210.82
Tillage	Wimp Farms	Hardin	Pioneer	P1464	210.08
Tillage	Wimp Farms	Hardin	AgriGold	A65-72	204.76
Irrigated	Phillip Meredith	Henderson	Pioneer	P2089AML	134.16

2020 Corn Yield Contest

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Winners' Practices

Percent of Winners:	Previous Crop NOT Corn	Preplant N	At Planting N	Sidedress N	Starter N	Average No. of N Applications
	89%	47%	53%	68%	47%	1.8

	Yield, bu/A	Date Planted	Harvest Date	Days from Planting to Harvest	Planting Rate, Seeds/A	Harvest, plants/A	soil pH	Total N	P ₂ O ₅	K ₂ O	Zn
Average	284.76	4/21	9/26	159	34,671	33,268	6.5	245.5	96.5	121.1	4.1
Minimum	250.65	4/2	9/10		32,000	30,000	5.8	104.0	-	-	-
Maximum	324.98	5/15	11/7		48,000	40,750	6.9	325.0	175.0	190.0	10.0

Winners' Practices, Listed Alphabetically

Manure	Other, lb/A	Starter Fertilizer	Tillage/no-till	Years in No-Till	Deep Tillage
3 ton chicken litter/A	30 lb Mg	10-34-0	Disc	3	No
3 ton turkey litter/A	300 lb Symtrex 16-1-0-20S, 2 lb Nutrex, 20 oz Magnesium Nitrate, 20 oz Liquid Carbon	Clear 61812	Fall Disc x2	5	No
	300 lb 9-23-30	Monty's Liquid Carbon, 1 qt Zn, 1 gal 6-18-6	Fall inline ripper 1 time, Spring turbo max x1	24	No
	400 lb 9-23-30	Nachurs Impulse	Minimum Tillage		No
	Mn 2 gal, Mg 1 gal, Co 1 qt, Ca 1 gal	3 gal Pro Germ, 8 gal UAN 32%, 2 gal ATS, 1 qt Zn	Spring Sunflower VT Disk x1		No
Manure	Other, lb/A	Starter Fertilizer	Tillage/no-till	Years in No-Till	Deep Tillage
		Riser, Accomplish, Nitrogen, 10-34-0, Prologue	Spring Tillage, x2		
		UAN 32%	Spring Vertical Tillage McFarlane Incite x1		

*Items in each column are listed alphabetically. Each row does not represent a single entrant. Numbers in parentheses indicate number of entries.

Seed Treatment	Herbicide(s)	Fungicide(s)	Insecticide(s)
Acceleron, Poncho 250	Atrazine 4L, Roundup Powermax, 2,4-D, Corvus, DiFlexx, Revulin Q	Delaro	Capture
Awaken ST	Accuron, Salvo, Roundup	Lucento + Priaxor	Capture LFR
Escalate (2)	Atrazine, Metolachlor, Roundup	None	Capture LFR
LumiGEN2020 Premium	Atrazine, SteadfastQ, Status	Trivapro (3)	Grizzly Too
Pioneer	Cornerstone, Laudis, Verdict, Atrazine 4L, Simazine, Roundup PowerMax	Trivapro (x2), Revytek (x1)	Lamda Star (2)
Poncho Votivo 250, Awaken CoFlow	Glyphos, Dicamba fb Halex, Aatrex, Status	Trivapro, Quilt Xcel	Sniper, Lamcap II, Hero
	Glyphos, Dicamba fb Halex, Aatrex, Status	Trivapro, Veltyma	Sniper, Tombstone (2)
	Glyphosate, Atrazine	Trivapro, Veltyma	Tundra
	Gramaxone, Acuron	Veltyma (4)	Tundra, Ethos
	Halex GT, Roundup, Atrazine		Warrior II (2)
	Laudis		
	Lexar + Atrazine		
	Roundup, Armezon PRO		
	Roundup, Atrazine, 2 4-D, Revulin Q, Leadoff		
	Roundup, Atrazine, Simazine		
	Roundup, Laudis, Warrant, Atrazine, Corvus, DiFlexx		
	Verdict, Armezon, Aatrex 4L		

*Items in each column are listed alphabetically. Each row does not represent a single entrant. Numbers in parentheses indicate number of entries.

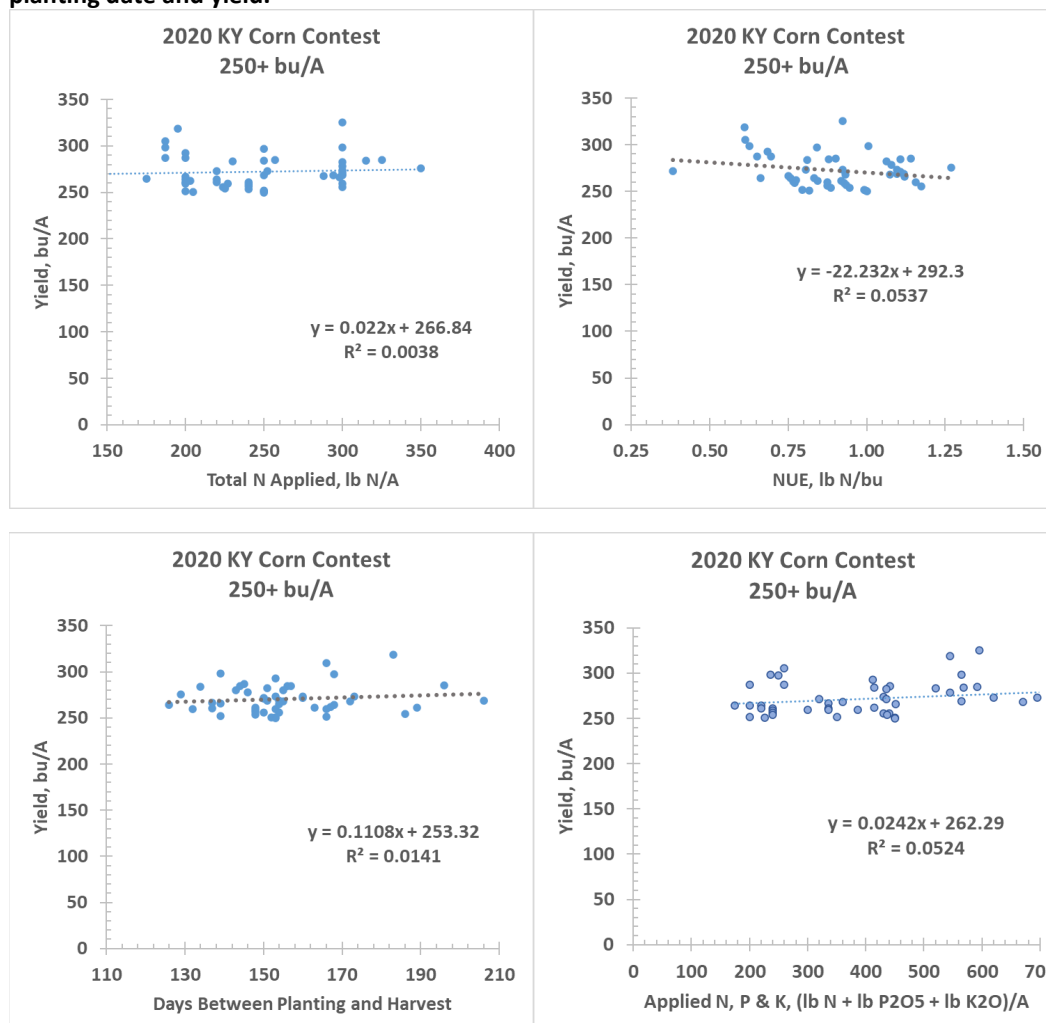
2020 Corn Yield Contest

Available online at: www.KyGrains.info

Planter Set-up	Planter	Harvester	Cover Crop in Last 3 Years	Timing of Cover Crop Removal
Row Cleaners (4)	Case IH 1245	Case IH 6088 (2)	barley	1 month before planting
	Custom Build, JD	Case IH 6140	rye, oats, wheat, clover, vetch, peas (2)	2 weeks before planting
	John Deere 1770	Case IH 8010	wheat	at planting (2)
	John Deere 1770 24 Row	Case IH 8230	wheat for grain	before planting
	John Deere 1770 NT/Precision Planting	Case IH 8250	wheat, rape seed	
	John Deere 1770 CCS/NT	Case IH 9140	none (7)	
	John Deere 1795	Claas		
	John Deere	John Deere 790		
	Kinze 2600	John Deere S670 (2)		
	Kinze 3500 (2)	John Deere S680		
	Kinze 3600 (2)	John Deere S780 (2)		
	Kinze 3650	New Holland CR960		
		New Holland TR 98		

*Items in each column are listed alphabetically. Each row does not represent a single entrant. Numbers in parentheses indicate number of entries.

For the entries that were greater than 250 bushels per acre, many correlations between one factor and yield were extremely weak. The R² values were below 0.10 meaning that there is extremely low confidence in the accuracy of these lines. Some of the stronger (but still poor) correlations had R² values between 0.3 and 0.6, including a negative correlation between nitrogen use efficiency and yield, a slightly positive correlation between total applied N, P, K and yield, a slightly negative correlation between planting date and yield.



2020 Corn Yield Contest

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