

2013

Kentucky Extension Corn Production Contest Summary of Winners and Cultural Practices



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**University of Kentucky Cooperative Extension Service
& Kentucky Corn Growers Association
with Cooperating Agricultural Companies**

Available online at: www.uky.edu/Ag/GrainCrops/

Presented January 17, 2014

at the Kentucky Commodity Conference Awards Banquet

Traveling Trophy, Overall High Yield: Jack Crowner

Traveling Trophy, White Corn: DuPont Pioneer

Traveling Trophy, Irrigated Corn: Wayne Agri-Business

2013 Summary of Entries

96 Entries Completed

20 Counties

51 Different Hybrids

2013 Kentucky Extension Corn Contest

Available online at: www.uky.edu/Ag/GrainCrops/

State Awards

	Grower/Farm	County	Brand	Hybrid	Yield, bu/A
Divisions I and II, Tillage and No-Tillage, non-irrigated					
State Champion	Greenwell Acres	Union	Channel	214-13VT2Pro	297.22
2nd Place	Rick Castlen / Castlen Bros. Farm [‡]	Daviess	Pioneer	P1602YHR	296.00
3rd Place	Billy Doolin	Ohio	AgriGold	A6573VT3Pro	287.22
Division III, White Corn, non-irrigated					
State Champion	Waller Bros. [‡]	Union	Pioneer	P1431W	294.23
2nd, White	John Davis [‡]	Union	Pioneer	32B16	277.57
3rd, White	Neal W. Ballance	Warren	Pioneer	32B16	275.26
Division IV, Irrigated Corn					
State Champion	Schwenke Bros. Farm	Boone	Pioneer	P2088AM	365.11
2nd, Irrigated	Phillip Meredith	Henderson	Pioneer	P1745	277.61
3rd, Irrigated	Lea Meredith	Henderson	Pioneer	P2088HXX	275.64

[‡] No-Tillage

District Awards

	Grower/Farm	County	Brand	Hybrid	Yield, bu/A
District 1, Tillage	no entry				
District 2, Tillage	Basham Farms	Hopkins	DEKALB	DKC64-69	256.41
District 3, Tillage	Brian Shouse / S&S Shaffer Farms	Union	DEKALB	DKC64-69	284.56
District 4, Tillage	Shane Wells / Mockingbird Hill	Butler	DEKALB	DKC65-19	246.39
District 5, Tillage	no entry				
District 6, Tillage	no entry				
District 1, No-Till	no entry				
District 2, No-Till	Simon Swarey	Todd	Dyna-Gro	D54VP81	238.08
District 3, No-Till	M & D Farms	Daviess	Pioneer	P2088YHR	284.25
District 4, No-Till	Fresh Start Farms	Larue	DEKALB	DKC65-19VT3RIB	262.91
District 5, No-Till	Kevin Smith / Dusty Feather Farms	Franklin	Wyffels	7886	277.76
District 6, No-Till	Williams Farms	Wayne	Pioneer	P1745HR	284.22

County Awards

Division	County	Agent	Average Yield, bu/A[§]	No. of Entries
Tillage	Union	Rankin Powell	287.44	15
No-Tillage	Daviess	Clint Hardy	281.32	9
White Corn	Union	Rankin Powell	288.67	10
Irrigated	Boone	Jerry Brown	328.60	3

[§] Average of top three yields within a county and division.

250 Bushel Club

Grower/Farm	County	Brand	Hybrid	Yield, bu/A	Division	District
Schwenke Bros. Farm	Boone	Pioneer	P2088AM	365.11	Irrigated	5
Greenwell Acres	Union	Channel	214-13VT2Pro	297.22	Tillage	3
Rick Castlen / Castlen Bros Farm	Daviess	Pioneer	P1602YHR	296.00	No-Tillage	3
Waller Bros.	Union	Pioneer	P1431W	294.23	White corn	3
Schwenke Bros. Farm	Boone	Pioneer	P1360HR	292.10	Irrigated	5
Schwenke Bros. Farm	Boone	Pioneer	P1360HR	291.00	Irrigated	5
Billy Doolin	Ohio	AgriGold	A6573VT3Pro	287.22	Tillage	3
Brian Shouse / S&S Shaffer Farms	Union	DEKALB	DKC64-69	284.56	Tillage	3
M & D Farms	Daviess	Pioneer	P2088YHR	284.25	No-Tillage	3
Williams Farms	Wayne	Pioneer	P1745HR	284.22	No-Tillage	6
Lowell Maloney	Union	Pioneer	P2088	280.55	Tillage	3
Kevin Smith / Dusty Feather Farms	Franklin	Wyffels	7886	277.76	No-Tillage	5
Phillip Meredith	Henderson	Pioneer	P1745	277.61	Irrigated	3
John Davis	Union	Pioneer	32B16	277.57	White corn	3
Lea Meredith	Henderson	Pioneer	P2088HXX	275.64	Irrigated	3
Neal W. Ballance	Warren	Pioneer	32B16	275.26	White corn	4
Darrell Hagan Farms	Daviess	DEKALB	DKC65-19	274.78	Tillage	3
Pat Davis	Union	Pioneer	32B16	274.06	White corn	3
Darrell Hagan Farms	Daviess	Pioneer	P2088HR	273.11	Tillage	3
Brian Shouse / S&S Farms	Union	DEKALB	DKC54-69	272.37	No-Tillage	3
S. B & J Fischer Farms	Daviess	AgriGold	A6573	272.25	Tillage	3
Phillip Meredith	Henderson	Pioneer	P1319	272.23	Irrigated	3
Burton Farms	Wayne	Beck's	6626AM-R	271.10	No-Tillage	6
Jim Bickett	Union	Pioneer	P1690	269.41	Tillage	3
Sparks Farms I	Daviess	Pioneer	P2088HR	269.02	Tillage	3
S&S Farms	Union	Pioneer	P1319	268.70	Tillage	3
Joel Boswell	Hancock	Pioneer	P2088AM	268.00	No-Tillage	3
Kathy Smith / Dusty Feather Farm	Shelby	DEKALB	DKC63-25	267.41	No-Tillage	5
Darrell Hagan Farms	Ohio	Beck's	8603	267.40	Tillage	3
Greenwell Acres	Union	Channel	212-86STX	266.80	Tillage	3
Gary H. Thomas / H & G Thomas Farms	Henderson	Pioneer	P2088AM	266.50	Tillage	3
Greenwell Acres	Union	Channel	212-86STX	265.78	Tillage	3
Jim Bickett	Union	Pioneer	P1319	265.73	No-Tillage	3
Joe Neal Balance	Warren	Pioneer	32B16	265.14	White corn	4
Melrudd Farm	Webster	Pioneer	P2088R	265.12	Tillage	3
Scott & Al Zoglmann Farms	Daviess	Pioneer	P2088	264.87	Tillage	3
Betty Jackson / Caverndale Farms	Boyle	Caverndale	CF802GTCBLL	264.53	No-Tillage	5
Cundiff Farms	Trigg	Pioneer	32B16	263.91	White corn	3
Castlen Bros. Farms	Daviess	Pioneer	P2083	263.70	No-Tillage	3
Wally Taylor / Triple T. Farms LLC	Daviess	Pioneer	P2088AM	263.43	Tillage	3
Walnut Grove Farms	Logan	Pioneer	P2088AM	263.37	Irrigated	4
Chad Elkins	Warren	Pioneer	32B16	262.96	White corn	4
Fresh Start Farms	Larue	DEKALB	DKC65-19VT3RIB	262.91	No-Tillage	4
Lowell Maloney	Union	Pioneer	P2088	262.73	Tillage	3
Sparks Farms II	Daviess	Pioneer	P2088HR	260.87	Tillage	3
Darrell Hagan Farms	Ohio	Beck's	8603HR	260.43	Tillage	3
Albert L. Peterson / Peterson Farms	Marion	Pioneer	P1319	259.33	No-Tillage	4
Williams Farms	Wayne	DEKALB	DKC64-69	259.19	No-Tillage	6
Gary H. Thomas / H & G Thomas Farms	Henderson	Pioneer	33G60	258.10	White corn	3
Kevin Smith / Dusty Feather Farm	Shelby	Wyffels	7476RIB	258.06	No-Tillage	5
Corn Silk Farm	Simpson	DEKALB	DKC64-69	258.00	No-Tillage	4
Williams Farms	Wayne	Augusta	A0720	257.21	No-Tillage	6
Albert L. Peterson / Peterson Farms	Marion	Pioneer	P1319	256.99	No-Tillage	4
Castlen Bros. Farms	Daviess	Pioneer	P1319	256.58	No-Tillage	3
Walnut Grove Farms	Logan	Pioneer	P2088AM	256.42	Irrigated	4
Basham Farms	Hopkins	DEKALB	DKC64-69	256.41	Tillage	2
Castlen Bros. Farms	Daviess	Pioneer	P1184	255.40	No-Tillage	3
Running T. / Tim Thomas	Union	Pioneer	33B10	254.66	White corn	3
Darrell Hagan Farms	Daviess	DEKALB	DKC63-14	254.05	Tillage	3
Gary Murphy	Daviess	Pioneer	P2088AM	252.88	Tillage	3
Paul Yoder	Todd	Pioneer	P1319HR	252.85	Tillage	2
Waller Bros.	Union	Pioneer	P1431W	252.53	White corn	3
Clements Bros.	Union	Dyna-Gro	D52VC91	252.48	No-Tillage	3
PPJ Thompson	Daviess	DEKALB	DKC65-12RR2	251.76	No-Tillage	3
Ashley Bibb	Logan	DEKALB	DKC65-19	251.42	No-Tillage	4

Other Entries

Grower/Farm	County	Brand	Hybrid	Yield, bu/A	Division	District
Kevin Smith / Dusty Feather Farms	Franklin	DEKALB	DKC65-19	249.25	No-Tillage	5
Davis Farms	Union	Pioneer	P1331W	248.19	White corn	3
Jerry Joe Greenwell	Union	Pioneer	P1995	247.35	White corn	3
Horn Family Farms	Daviess	Pioneer	P1995W	246.58	White corn	3
Joel King	Henderson	Pioneer	P1602	246.51	Tillage	3
Shane Wells / Mockingbird Hill	Butler	DEKALB	DKC65-19	246.39	Tillage	4
Larry Parrish Farms	Henderson	Pioneer	P1431WR	246.26	White corn	3
Horn Family Farms	Daviess	Pioneer	P1995W	244.19	White corn	3
Beanland Farms	Daviess	DEKALB	DKC65-19RR2	242.37	Tillage	3
Joe Thompson / PPJ Thompson Farms	Daviess	Pioneer	P2088AM	241.95	No-Tillage	3
Brian Thompson / PPJ Thompson Farms	Webster	Pioneer	P1995W	241.38	No-Tillage	3
Horn Family Farms	Daviess	Pioneer	P1995W	240.34	White corn	3
Roger French	Union	AgriGold	A6573	239.86	Tillage	3
Sexton Farms	Wayne	Augusta	A0720GT	239.02	No-Tillage	6
Running T. / Tim Thomas	Union	Pioneer	33B10	239.01	White corn	3
Simon Swarey	Todd	Dyna-Gro	D54VP81	238.08	No-Tillage	2
Corn Silk Farm	Simpson	Pioneer	P1498AM	237.83	No-Tillage	4
Scott Kuegel / Flatlick Farms	Daviess	Pioneer	P2088AM	237.54	No-Tillage	3
Gene Glenn	Daviess	Pioneer	P1319HR	235.87	Tillage	3
Hendrickson Farms	Union	AgriGold	A6517	233.08	Tillage	3
Donnie Greenwell	Union	DEKALB	DKC63-87	232.60	Tillage	3
Simon Swarey	Todd	Channel	210-44 VT2P	230.61	No-Tillage	2
Leah King	Henderson	Pioneer	P2088	230.54	Tillage	3
Donnie Greenwell	Union	Croplan	6640VT3P	228.99	Tillage	3
Donnie Greenwell	Union	DEKALB	DKC63-87	225.67	Tillage	3
Donnie Greenwell	Union	DEKALB	DKC63-87	224.70	Tillage	3
Pat Thompson	Daviess	Pioneer	P1319HR	222.39	No-Tillage	3
Gene Guinn	Wayne	Augusta	A0720	220.41	No-Tillage	6
Walnut Grove Farms	Logan	Pioneer	P2088	219.19	No-Tillage	4
Donnie Greenwell	Union	Croplan	6640	207.63	Tillage	3
Nathan Thompson	Daviess	Pioneer	P1431W	195.14	White corn	3

Other Counties with at least three entries

Division	County	Agent	Average Yield, bu/A [§]	No. of Entries
Tillage	Daviess	Clint Hardy	273.38	11
Tillage	Ohio	Greg Comer	271.68	3
Tillage	Henderson	Mike Smith	247.85	3
No-Tillage	Wayne	Glenn Roberts	271.50	6
No-Tillage	Union	Rankin Powell	263.52	3
White corn	Warren	Joanna Coles	271.88	4
White corn	Daviess	Clint Hardy	243.71	4
Irrigated	Henderson	Mike Smith	276.95	5

[§] Average of top three yields within a county and division.

Cultural Practices of Champions
Divisions I and II, Tillage and No-Tillage, non-irrigated

	State Champion	2nd Place	3rd Place
Grower/Farm	Greenwell Acres	Rick Castlen / Castlen Bros. Farm	Billy Doolin
County	Union	Daviess	Ohio
Brand	Channel	Pioneer	AgriGold
Hybrid	214-13VT2Pro	P1602YHR	A6573VT3Pro
Yield, bu/A	297.22	296.00	287.22
Division	Tillage	No-Tillage	Tillage
Field Acres	30	75	50
Row Width, inches	30	30	30
Harvest Date	9/13	10/22	9/16
Planting Date	4/15	4/18	
Seeds/A	35,000	36,000	
Plants/A	33,500	33,000	35,000
Previous Crop	corn	soybean	soybean
Soil Type	Patton		Stendal
Last Soil Test	2012	2012	2012
Soil pH	6.3		7.0
Total N, lbs/A	245	203.73	270
Total P₂O₅, lbs/A	VRT		115
Total K₂O, lbs/A	VRT		150
Total Manure			2T Poultry Litter
Total Other, lbs/A			S: 24
N timing	Preplant + Starter	Preplant + Starter + Sidedress	Preplant N
Other Starter	ProGerm, Sure-K, Micro 500		
Seed Treatment	Poncho250, Enhance	Poncho 250	
Herbicide	Gramoxone, Warrant, Roundup, Status	Gramoxone, Lumax	Gramoxone, Atrazine, Degree Xtra
Fungicide	Quilt Xcel		Headline, Quadris
Insecticide	Tombstone	Capture	
Tillage Method	F: Ripper + Disk; S: Landoll VTPlus	No-till	F: Ripper; S: Disk, Field Cultivator
Planter Set-up	Row Cleaners and No-Till Coulter		
Planter	JD 1770 NT	JD 1770NT	Kinze 3600
Harvester	JD 5680		JDS660

Division III, White Corn, Non-Irrigated

	State Champion	2nd Place	3rd Place
Grower/Farm	Waller Brothers	John Davis	Neal W. Ballance
County	Union	Union	Warren
Brand	Pioneer	Pioneer	Pioneer
Hybrid	P1431W	32B16	32B16
Yield, bu/A	294.23	277.57	275.26
Division	White corn	White corn	White corn
Field Acres	100	60	84
Row Width, inches	30	30	30
Harvest Date	10/26	10/23	9/16
Planting Date	5/19	3/15	4/13
Seeds/A	32,000	30,000	31,000
Plants/A	29,500	29,000	30,500
Previous Crop	soybean	corn	wheat/soybean
Soil Type	Huntington	Waverly	Pembroke
Last Soil Test	2012	2013	2012
Soil pH	7	6.8	6.3
Total N, lbs/A	185	240	200
Total P₂O₅, lbs/A	60	70	150
Total K₂O, lbs/A	100	120	150
Total Manure			4T Poultry Litter
Total Other, lbs/A			
N Timing	Preplant + Starter + Sidedress	Preplant + Starter + At Planting	Preplant
Other Starter	7:24:04		
Seed Treatment	Rovral / Cruiser	Poncho 125	
Herbicide	Degree Extra	Degree Extra, Atrazine, Roundup fb Roundup	Touchdown Total, Halex GT, Atrazine
Fungicide	Headline	Quilt XL	Headline
Insecticide	Capture, Tombstone	Tombstone	Warrior II
Tillage Method	no-till	no-till	F: Great Plains Turbo Chisel; S: McFarland Reel Disc
Planter Set-up		Row Cleaners	
Planter	JD 1790	JD 1790	JD DB90
Harvester	CAT 760	JD 680	JD 5680

Division IV, Irrigated Corn

	State Champion	2nd Place	3rd Place
Grower/Farm	Schwenke Brothers Farm	Phillip Meredith	Lea Meredith
County	Boone	Henderson	Henderson
Brand	Pioneer	Pioneer	Pioneer
Hybrid	P2088AM	P1745	P2088HXX
Yield, bu/A	365.11	277.61	275.64
Division	Irrigated	Irrigated	Irrigated
Field Acres	103	220	150
Row Width, inches	30	30	30
Harvest Date	10/21	9/23	9/20
Planting Date	5/3	4/12	4/14
Seeds/A	32,800	31,000	33,000
Plants/A	32,000	30,000	29,500
Previous Crop	corn	soybean	corn
Soil Type		Huntington	Huntington
Last Soil Test	2013	2012	2012
Soil pH		7.0	
Total N, lbs/A	298	225	225
Total P ₂ O ₅ , lbs/A	150	69	69
Total K ₂ O, lbs/A	75	90	90
Total Manure			
Total Other, lbs/A			
N Timing			
Other Starter	Preplant + Starter + Sidedress	At Planting + Sidedress	At Planting + Sidedress
Seed Treatment	Cruiser / Herculex I		
Herbicide	Verdict, Armezon, Atrazine	Corvus, Carrino	Corvus, Carrino
Fungicide	Priaxor, Headline	Quilt Xcel	Quilt Xcel
Insecticide		Hero	Hero
Tillage Method		F: Krause Dominator; S; Mulch Finisher	F: Krause Dominator; S; Mulch Finisher
Planter	Kinze 3650	JD 1790	JD 1790
Harvester	Case IH 5088	JD 9770	JD 9770



District Champions, Tillage, non-irrigated

	District 1	District 2	District 3	District 4	District 5	District 6
Grower/Farm	no entry	Basham Farms	Brian Shouse / S&S Shaffer Farms	Shane Wells / Mockingbird Hill	no entry	no entry
County		Hopkins	Union	Butler		
Brand		DEKALB	DEKALB	DEKALB		
Hybrid		DKC64-69	DKC64-69	DKC65-19		
Yield, bu/A		256.41	284.56	246.39		
Division		Tillage	Tillage	Tillage		
Field Acres			80	62		
Row Width, inches		30	30	30		
Harvest Date		9/9	9/17	10/2		
Planting Date		5/18	4/8			
Seeds/A		34,000	33,000	34,000		
Plants/A			29,500	32,000		
Previous Crop		corn	corn			
Soil Type		Belknap	Patton	Melvin		
Last Soil Test			2012			
Soil pH			6.8			
Total N, lbs/A		180	240	225		
Total P₂O₅, lbs/A		0	0	VTR		
Total K₂O, lbs/A		121	0	VTR		
Total Manure						
N timing		Preplant + Starter + Sidedress	Preplant	At Planting + Starter + Sidedress		
Other Starter		ESN				
Seed Treatment		Poncho / Capture				
Herbicide		Roundup, Degree	Roundup, Atrazine	Lexar, Atrazine		
Fungicide		Headline	Quilt	Quilt		
Insecticide			Warrior	Hero		
Tillage Method		F: Field Cultivator	F: Disk; S: Field Cultivator	F: no-till Ripper; S: turbo till		
Planter		JD 1770	JD 1790	Kinze 3500		
Harvester		Case 8120	JD 5680	CNH 2577		

District Champions, No-Tillage, non-irrigated

	District 1	District 2	District 3	District 4	District 5	District 6
Grower/Farm	no entry	Simon Swarey	M & D Farms	Fresh Start Farms	Kevin Smith / Dusty Feather Farms	Williams Farms
County		Todd	Daviess	Larue	Franklin	Wayne
Brand		Dyna-Gro	Pioneer	DEKALB	Wyffels	Pioneer
Hybrid		D54VP81	P2088YHR	DKC65-19VT3RIB	7886	P1745HR
Yield, bu/A		238.08	284.25	262.91	277.76	284.22
Division		No-Tillage	No-Tillage	No-Tillage	No-Tillage	No-Tillage
Field Acres		80	38	150	26	16
Row Width, inches		30	30	30	20	30
Harvest Date		10/12	10/22	10/3	11/15	9/30
Planting Date		4/9	4/17	5/15		4/18
Seeds/A		32,000	36,000	32,500		32,000
Plants/A		28,000	33,000	32,000	35,000	31,000
Previous Crop		soybean	soybean	soybean		soybean
Soil Type		Pembroke-A		Crider		
Last Soil Test		2012	2012	2013		2012
Soil pH		6.7		6.5		6.1
Total N, lbs/A		150	203.75	210	230.45	170
Total P₂O₅, lbs/A		100		90	0	
Total K₂O, lbs/A		100		90	0	
Total Manure		2T Litter				2T Litter
N timing		Sidedress	Preplant + Starter + Sidedress	Preplant + At Planting + Starter + Sidedress	Preplant + Sidedress	Preplant + Sidedress
Other Starter				ProGerm, Sure-K		
Seed Treatment		Acceleron	Poncho 250			Poncho 250
Herbicide		Lead-off, Roundup, 2,4-D, Atrazine, Halex	Gramoxone, Lumax	Roundup PowerMax, Verdict, Halex GT, Status		Paraquat, Stalwart
Fungicide				Priaxor, Quilt Xcel		
Insecticide			Capture	Declare, Mustang Max		
Tillage Method		No-Till, 20 yrs Keaton seed firmers, Martin Row Cleaners, Spike Closers & Drag Chain	No-till	No-Till	No-Till	No-Till, 30 yrs
Planter Set-up				Martin Row Cleaners & Spader Wheels		Row Cleaners, Seed firmier, Fluted coalter
Planter		Kinze 2200	JD 1770NT	JD 1770 NT-24		Kinze 3500
Harvester		JD 9510		JD SG70	JD 9750	JD 9500

Past Kentucky Champions, non-Irrigated

Year	Grower/Farm	Bu/A	Year	Grower/Farm	Bu/A
1981	Barton Brothers	213.17	2001	David W. Hatton	294.18
1982	Marion Howard	249.51	2002	Peterson Dairy Farms	231.51
1983	Ollis Popplewell	186.60	2003	Schwenke Brothers	296.94
1984	Steve Carraway	216.25	2004	Schwenke Brothers	291.40
1985	Fall Creek Farms	224.31	2005	Martin Farms	251.83
1986	David Robinson	212.69	2006	Schwenke Brothers	274.04
1987	Gary and Mike Smith	208.32	2007	PPJ Thompson Farms	297.09
1988	Leon and Steven Terry	200.05	2008	Joe Nichols/7 Springs Farms	290.30
1989	Eddie Voils	216.59	2009	Marcus Huffman	295.56
1990	Steve Carraway	246.97	2010	Schwenke Brothers	269.75
1991	James C. Bickett	214.74	2011	John L. Wilson	266.45
1992	Schwenke Brothers	243.72	2012	Paul Bickett/ Bickett Farms	288.79
1993	James C. Bickett	217.88	2013	Greenwell Acres	297.22
1994	Schwenke Brothers	255.47			
1995	Tom Howard	220.18			
1996	Sexton Bros. & Cooley	245.94			
1997	David Weatherly	239.27			
1998	David W. Hatton	260.62			
1999	Bickett Farms	247.73			
2000	David Peterson	252.27			