

2016 Kentucky Extension Soybean Production Contest

Summary of Winners & Cultural Practices



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University of Kentucky
Cooperative Extension Service
AND
Kentucky Soybean Promotion Board
with
Cooperating Agricultural Companies

Available online at:
www.KyGrains.info

2016 Entry Summary	
Yield Entries Submitted	
Full-Season (Division I)	35
Double-Crop (Division II)	17
Total	52
Quality Entries Submitted	37
Participating Counties	17



2016 Soybean Yield Contest Results

Available online at: www.KyGrains.info

State Yield Awards

	Division	Grower/Farm	County	Company	Brand/ Variety	Yield (bu/A)
State Champion	I	Meredith Farms	Henderson	Pioneer	P35T58R	92.742946
1st Place	I	Donald Poore	Cumberland	Beck's	453R4	83.9176421
2nd Place	I	Castlen Bros Farms	Daviess	Pioneer	P35T58R	83.3661436
1st Place	II	Camron, Mark, Clay W	Union	Asgrow	AG4835	79.492335
2nd Place	II	Drew Longley	Hardin	Asgrow	AG4336	73.7615002

District Yield Awards

	Division	Grower/Farm	County	Company	Brand/ Variety	Yield (bu/A)
District 1	II	Bugg Farms	Graves	Armor	44-D40	56.2579856
District 2	I	Goetz Bros Farm	Daviess	Syngenta	NK S35-C3	79.430326
District 3	I	Seldom Rest Farm	Simpson	Pioneer	P49T97R	81.7635909
District 4	I	Mark Thomas	Hardin	Syngenta	NK S35-C3	74.1999749

County Agent Awards

Award	County	Agent	Yield (bu/A)	No. of Entries
Agent with State Champion Entry	Henderson	Camille Lambert	92.74	4
Agent with Highest Yield of Top 3 Entries	Henderson	Camille Lambert	82.00	4
Most Entries Submitted	Daviess	Clint Hardy/Tyler Miller		11
Submitted 3 or more entries (excluding above winners)	Warren	Joanna Coles/Mike Bullock		3
	Wayne	Glen Roberts/Danny Adams		9

90 Bushel Club

Div.	Grower/Farm	County	Company	Brand/ Variety	Yield (bu/A)	District
1. I	Meredith Farms	Henderson	Pioneer	P35T58R	92.74	2

80 Bushel Club

Div.	Grower/Farm	County	Company	Brand/ Variety	Yield (bu/A)	District
1. I	Donald Poore	Cumberland	Beck's	453R4	83.92	4
2. I	Castlen Bros Farms	Daviess	Pioneer	P35T58R	83.37	2
3. I	Seldom Rest Farm	Simpson	Pioneer	P49T97R	81.76	3

70 Bushel Club

Div.	Grower/Farm	County	Company	Brand/ Variety	Yield (bu/A)	District
1. II	Camron, Mark, Clay Wells	Union	Asgrow	AG4835	79.49	2
2. I	Goetz Bros Farm	Daviess	Syngenta	NK S35-C3	79.43	2
3. I	Jimmie Wilson Farm	Warren	Pioneer	94Y23	79.00	3
4. I	Goetz Bros Farm	Daviess	Asgrow	AG4336	77.99	2
5. I	Waller Bros	Union	Dyna-Gro	31RY45	77.07	2
6. I	Leo Mattingly Jr	Henderson	Great Lakes	GL 3929R2	77.04	2
7. I	Leo Mattingly Jr	Henderson	Great Lakes	GL 3929R2	76.22	2
8. I	Southern States	Daviess	Southern States	SS4215	75.89	2
9. I	Wells Bros Farm	Union	Asgrow	AG4034	75.71	2
10. I	Hopson Farms	Henderson	Pioneer	P35T58R	75.11	2
11. I	Goetz Bros Farm	Daviess	Asgrow	AG4336	74.86	2
12. I	Mark Thomas	Hardin	Syngenta	NK S35-C3	74.20	4
13. I	Southern States	Daviess	Southern States	SS4215	73.95	2
14. II	Drew Langley	Hardin	Asgrow	AG4336	73.76	4
15. I	Greg Steward Farm	Union	Pioneer	P35T58R	73.64	2
16. II	Furnwood Farms	Harrison	Channel	3707R2/SR	73.61	4
17. I	PPJ	Daviess	Pioneer	P47T36R	73.08	2
18. II	Armistead Farms	Logan	Dyna Gro	CR4522N	73.03	3
19. I	Josh Simpson	Wayne	Beck's	465R4	72.62	4
20. I	Josh Simpson	Wayne	Beck's	465R4	72.57	4
21. I	Fresh Start Farms	LaRue	Pioneer	P45T11R	72.38	4
22. II	Running T Farms	Union	Pfister	47R22	72.27	2
23. I	James Sexton & Daulton	Wayne	Pioneer	P47T36R	71.74	4
24. I	Donald Poore	Cumberland	Beck's	424L4	71.27	4
25. I	Larry Duncan	Webster	Pioneer	46R21	71.03	2
26. II	Jimmie Wilson Farm	Warren	Pioneer	P47T36R	71.03	3

Participants

Div.	Grower/Farm	County	Company	Brand/ Variety	Yield (bu/A)	District
1. II	Balance Farm	Warren	Pioneer	P47T36R	69.85	3
2. II	Hendrickson Farms	Union	Channel	4806R2/STS	69.39	2
3. I	PPJ	Daviess	Pioneer	93Y92	68.82	2
4. II	KSW Farms	Wayne	Armor	47R13	67.96	4
5. II	Hendrickson Farms	Union	Channel	4806R2/STS	67.93	2
6. II	Peterson Farms	Marion	Pioneer	94Y21	67.78	4
7. II	Hendrickson Farms	Union	Channel	4806R2/STS	66.73	2
8. I	PPJ	Daviess	Pioneer	P47T36R	66.53	2
9. I	Byler Farms	Clinton	Beck's	465R4	64.89	4
10. II	Goetz Bros Farm Mike Smedley & Eugene	Daviess	Asgrow	AG4336	63.58	2
11. I	Barnett	Wayne	Beck's	453R4	63.35	4
12. II	PPJ	Daviess	Pioneer	93Y92	63.30	2
13. II	Hendrickson Farms	Union	Channel	4806R2/STS	62.46	2
14. I	Carr Farm	Union	Asgrow	AG4632	61.91	2
15. I	S&P Farms	Union	Remington	Seed Beans	61.85	2
16. I	Carr Farm Mike Smedley & Eugene	Union	Asgrow	AG4632	61.57	2
17. I	Barnett	Wayne	Beck's	453R4	61.04	4
18. II	Hendrickson Farms	Union	Channel	4806R2/STS	60.26	2
19. I	Pate Weir	McLean	Channel	--	58.58	2
20. I	Thomas Kelsay	Wayne	Beck's	465R4	56.63	4
21. II	Bugg Farms	Graves	Armor	44-D40	56.26	1
22. I	David Denney	Wayne	Pioneer	P45T11R	53.56	4

Full-Season (Division I) Average 71.87

Double-Crop (Division II) Average 68.16

Cultural Practices of Yield Award Winners

State Champions

	<u>Division I</u>			<u>Division II</u>	
	State Champion	1st Place	2nd Place	1st Place	2nd Place
Grower/Farm	Meredith Farms	Donald Poore	Castlen Bros Farms	Camron, Mark, Clay Wells	Drew Langley
County	Henderson	Cumberland	Daviess	Union	Hardin
Company	Pioneer	Beck's	Pioneer	Asgrow	Asgrow
Brand	P35T58R	453R4	P35T58R	AG4835	AG4336
Yield (bu/A)	92.74	83.92	83.37	79.49	73.76
Division	Full-Season (I)	Full-Season (I)	Full-Season (I)	Double-Crop (II)	Double-Crop (II)
Tillage	Conventional	No-Till	No-Till	No-Till	No-Till
Soil Preparation	Fall: Chisel Spring: John Deere 726 Mulch Finisher				
Planting Date	18-Apr	15-May	19-May	22-Jun	21-Jun
Row Width (in.)	15	15	15	15	15
Seeds/A	185,000	160,000	160,000	185,000	170,000
Irrigated	No	No	No	No	Yes
Harvest Date	21-Sep	18-Oct	7-Oct	1-Nov	31-Oct
Previous Crop	Corn	Corn	Corn	Wheat	Wheat
Total N (lbs/A)	16	0	0	0	0
Total P ₂ O ₅ (lbs/A)	41	42	21	80	0
Total K ₂ O (lbs/A)	120	120	60	120	0
Total Manure (lbs/A)	0	0	0	0	0
Total Other (lbs/A)	0	0	0	0	0
Seed Treatment	Pioneer Premium Seed Treatment	Escalate	None	Seed Shield	None
Seed Inoculant	None	Graph-Ex	None	First Up	None
Insecticide	Skyraider	Lambda + Tombstone	None	Hero	Hero
Fungicide	Quadris Top	4 Tebu + Fortix + Trio	Priaxor (5 oz/A)	Priaxor	Quadris Top
Herbicide -Pre-Emergence	Authority XL	Roundup + Valor + Prowl	Roundup PowerMAX(24 oz/A) + 2,4-D (1 pt/A) + Verdict (7.5 oz/A)	None	None
-Post-Emergence	Parallel + Roundup + Torment	Roundup + Radiate	Flexstar GT (3.5 pt/A) + Zidua (1.5 oz/A)	Roundup + FirstRate + Classic	Roundup
Other Inputs	None	None	None	None	None

Cultural Practices of Yield Award Winners

District Champions

	<u>District</u>			
	1	2	3	4
Grower/Farm	Bugg Farms	Goetz Bros Farm	Seldom Rest Farm	Mark Thomas
County	Graves	Daviess	Simpson	Hardin
Company	Armor	Syngenta	Pioneer	Syngenta
Brand	44-D40	NK S35-C3	P49T97R	NK S35-C3
Yield (bu/A)	56.26	79.43	81.76	74.20
Division	Double-Crop (II)	Full-Season (I)	Full-Season (I)	Full-Season (I)
Tillage	No-Till	Conventional	No-Till	Conventional
Soil Preparation		Spring: UltraTill		Spring: Disc x 2
Planting Date	25-Jun	27-May	1-Jun	7-May
Row Width (in.)	7.5	15	7.5	15
Seeds/A	185,000	150,000	172,000	150,000
Irrigated	No	No	No	No
Harvest Date	4-Nov	4-Oct	12-Oct	7-Nov
Previous Crop	Wheat	Corn	Corn	Corn
Total N (lbs/A)	0	2	18	26
Total P ₂ O ₅ (lbs/A)	0	9	46	68
Total K ₂ O (lbs/A)	0	9	90	115
Total Manure (lbs/A)	no	0	0	0
Total Other (lbs/A)	0	0	0	89 lbs/A Sulfur Plus with Boron
Seed Treatment				
	None	None	None	None
Seed Inoculant	Vigor	None	None	None
Insecticide	Declare	Fastac	None	None
Fungicide	Priaxor + Quilt	Priaxor	Approach Prima (6.8 oz/A) + surfactant (1 pt/A)	None
Herbicide			Roundup PowerMAX (30 oz/A) + Verdict (7.5 oz/A) + 2,4-D (1 pt/A) + MSO (1 pt/A) + AMS (8.5 lbs/100)	
-Pre-Emergence	None	Roundup (24 oz/A) + Authority XL (6 oz/A)		None
-Post-Emergence	Touchdown + Zidua	Roundup (24 oz/A) + FirstRate (0.3 oz/A)	Roundup PowerMAX (32 oz/A) + Metolachlor (1pt/A)	Medal II (1 qt/A) + Roundup PowerMax (1 qt/A) fb Roundup PowerMax (1 qt/A)
Other Inputs	None	None	None	None

2016 Soybean Quality Contest Results

Available online at: www.KyGrains.info

State Quality Awards

					Brand/ Variety	Percent	
	Div.	Grower/Farm	County	Company		Oil	Protein
Oil 1st Place	I	PPJ	Daviess	Pioneer	P47T36R	25.97	37.70
Oil 2nd Place	I	Greg Steward Farm	Union	Pioneer	P35T58R	25.60	37.13
Protein 1st Place	I	Donald Poore	Cumberland	Beck's	424L4	24.06	41.73
Protein 2nd Place	I	Wells Bros Farm	Union	Asgrow	AG4034	23.09	40.97

State Quality Entries

Division I (Full-Season Soybeans)

Grower/Farm	County	Company	Brand/ Variety	Percent	
				Oil	Protein
1. PPJ	Daviess	Pioneer	P47T36R	25.97	37.70
2. PPJ	Daviess	Pioneer	P47T36R	25.96	37.42
3. Greg Steward Farm	Union	Pioneer	P35T58R	25.60	37.13
4. Meredith Farms	Henderson	Pioneer	P35T58R	25.57	37.33
5. Hopson Farms	Henderson	Pioneer	P35T58R	25.35	38.81
6. Mike Smedley & Eugene Barnett	Wayne	Beck's	453R4	25.25	39.15
7. Mark Thomas	Hardin	Syngenta	NK S35-C3	25.24	40.52
8. Goetz Bros Farm	Daviess	Syngenta	NK S35-C3	25.20	39.24
9. PPJ	Daviess	Pioneer	93Y92	24.74	38.91
10. Josh Simpson	Wayne	Beck's	465R4	24.51	39.83
11. Goetz Bros Farm	Daviess	Asgrow	AG4336	24.39	38.85
12. Josh Simpson	Wayne	Beck's	465R4	24.29	40.65
13. Mike Smedley & Eugene Barnett	Wayne	Beck's	453R4	24.29	38.35
14. S&P Farms	Union	Remington	Seed Beans	24.26	39.04
15. Donald Poore	Cumberland	Beck's	424L4	24.06	41.73
16. Leo Mattingly Jr	Henderson	Great Lakes	GL 3929R2	23.87	40.23
17. James Sexton & Daulton	Wayne	Pioneer	P47T36R	23.85	38.06
18. Waller Bros	Union	Dyna-Gro	31RY45	23.67	38.26
19. Goetz Bros Farm	Daviess	Asgrow	AG4336	23.50	38.81
20. Wells Bros Farm	Union	Asgrow	AG4034	23.09	40.97
21. Thomas Kelsay	Wayne	Beck's	465R4	22.80	39.49
22. David Denney	Wayne	Pioneer	P45T11R	22.70	39.92
23. Carr Farm	Union	Asgrow	AG4632	22.69	36.60
24. Carr Farm	Union	Asgrow	AG4632	22.36	36.38
25. Bugg Farms	Graves	Armor	44-D40	24.51	39.31
Full-Season Average				24.31	38.91

State Quality Entries
Division II (Double-Crop Soybeans)

Grower/Farm	County	Company	Brand/ Variety	Percent	
				Oil	Protein
1. Bugg Farms	Graves	Armor	44-D40	24.51	39.31
2. PPJ	Daviess	Pioneer	93Y92	24.37	39.23
3. Hendrickson Farms	Union	Channel	4806R2/STS	22.31	37.48
4. Goetz Bros Farm	Daviess	Asgrow	AG4336	22.17	37.22
5. KSW Farms	Wayne	Armor	47R13	22.11	38.62
6. Hendrickson Farms	Union	Channel	4806R2/STS	22.10	39.75
7. Hendrickson Farms	Union	Channel	4806R2/STS	21.43	38.58
8. Hendrickson Farms	Union	Channel	4806R2/STS	21.35	37.32
9. Hendrickson Farms	Union	Channel	4806R2/STS	21.11	38.25
10. Running T Farms	Union	Pfister	47R22	20.63	39.27

Double-Crop Average 22.21 38.50

Cultural Practices of Quality Award Winners

State Champions

	<u>Oil</u>		<u>Protein</u>	
	1st Place	2nd Place	1st Place	2nd Place
Grower/Farm	PPJ	Greg Steward Farm	Donald Poore	Wells Bros Farm
County	Daviess	Union	Cumberland	Union
Company	Pioneer	Pioneer	Beck's	Asgrow
Brand/Variety	P47T36R	P35T58R	424L4	AG4034
Oil (%)	25.97	25.6	24.06	23.09
Protein (%)	37.7	37.13	41.73	40.97
Yield (bu/A)	73.08	73.64	71.27	75.71
Division	Full-Season (I)	Full-Season (I)	Full-Season (I)	Full-Season (I)
Tillage	No-Till	No-Till	No-Till	Conventional Fall Disc Spring Cultivator x2
Soil Preparation				
Planting Date	25-Apr	23-May	3-May	8-May
Row Width (in.)	7.5	15	15	15
Seeds/A	155,000	174,000	160,000	150,000
Irrigated	No	No	No	No
Harvest Date	5-Oct	4-Oct	28-Sep	10-Oct
Previous Crop	Corn	Corn	Corn	Corn
Total N (lbs/A)	36	0	36	0
Total P ₂ O ₅ (lbs/A)	92	0	92	60
Total K ₂ O (lbs/A)	120	0	0	90
Total Manure (lbs/A)	0	0	0	0
Total Other (lbs/A)	0	0	30 lbs S/A + 1.5 lbs Zn/A + 10 lbs/A 38%	0
Seed Treatment	None	None	None	Seed Shield
Seed Inoculant	None	None	None	First Up
Insecticide	Crossover	Hero	Lambda	Hero
Fungicide	Approach Prima	Priaxor	None	Priaxor
Herbicide -Pre-Emergence				
	Envy Six Max + 2,4-D	Intimidator + 2,4-D + Roundup	Liberty	Roundup + 2,4-D
-Post-Emergence				
	Envy Six Max + Vamos	Roundup	Liberty	Roundup + Classic
Other Inputs	None	None	None	None

Cultural Practices of Yield Contest Entries

	Number of Entries for each Production Practice				
	Division I				
	90 Bushel Club	80 Bushel Club	70 Bushel Club	Participants	Division II
Number of Entries	1	3	20	11	17
Average Yield (bu/A)	92.74	83.02	74.74	61.70	68.16
Company					
Armor					2
Asgrow			3	2	3
Beck's		1	3	4	
Channel				1	6
Dyna-Gro			1		1
Great Lakes			2		
Pfister Seeds					1
Pioneer			7	3	4
Remington	1	2		1	
Southern States			2		
Steyer Seeds					
Syngenta NK			2		
Seed Treatment	1	1	5	3	9
Products			Accerlon		Accerlon ApronMaxx + Imidacloprid Clariva Complete
		Escalate		Escalate	
	Pioneer FST/IST (Allegiance/Gaucho)		Equity		
			Seed Shield Trilex 2000		Seed Shield
Seed Inoculant	1	1	7	2	4
Products			Dyna-Start Max Dyna-Start PBC		
		Graph-EX	First-Up Graph-EX		First-Up
				Magnify LST	
	Pioneer Premium Seed Treatment PPST 120 + (rhizobia inoculant/extender)				N-Dure
				TerraMax Dry	
					Vault Vigor

Cultural Practices of Yield Contest Entries

	Number of Entries for each Production Practice				
	Division I				
	90 Bushel Club	80 Bushel Club	70 Bushel Club	Participants	Division II
Foliar Insecticide Products	1	1	14	4	15
			Crossover Declare Fastac Hero	Crossover Kendo	Crossover Declare Fastac Hero
	Skyraider	Lambda Tombstone	Lambda Tombstone	Tombstone Tombstone Helios	Tombstone Warrior
Foliar Fungicide Products	1	3	16	5	14
		4 Tebu Aproach Prima	Aproach Prima	Aproach Prima Bravo Fitness	Aproach Prima
		Fortix	Preemptor	Priaxor	Fortix
		Priaxor	Priaxor	Priaxor	Priaxor Propiconazole Prostar
	Quadris Top		Prostar	Quadris	Quadris Top Quilt
			Trivapro		
Herbicide Pre-Emergence Only Post-Emergence Only Pre+Post Emergence			3	4	12
	1	3	17	7	4
Tillage No-Till Tillage Methods	0 1	0 3	11 9	7 2	17
	Fall: Chisel		Fall Disc Spring Disc Spring Turbo Till Soil Conditioner/Turbo Till Spring Cultivator	Spring Disc Spring Cultivator	
	Spring: John Deere 726 Mulch Finisher		Spring Vertical Tillage		

Cultural Practices of Yield Contest Entries

	Number of Entries for each Production Practice				
	Division I				Division II
	90 Bushel Club	80 Bushel Club	70 Bushel Club	Participants	
Seeds/A					
100,000 to 125,000			1		
126,000 to 150,000			5	3	
151,000 to 175,000		3	13	7	7
176,000 to 200,000	1		1	1	9
>225,000					1
Planting Date					
Before April 20	1			1	
Apr 20-30			4		
May 1-10			8	2	
May 11-20		2	1	3	
May 21-31		1	5	3	
June 1-10			2	2	1
June 11-20					7
June 21-30					9
Harvest Date					
Sept 1-14					
Sept 15-30	1		3	1	
Oct 1-15		2	12	3	
Oct 16-31		1	3	7	12
Nov 1-15			2		5
Nov 15+					
Row Width					
7.5 inch		1	1	2	4
15 inch	1	2	19	9	12
30 inch					1
Irrigated					
Yes			1		2
No	1	3	19	11	15
Nitrogen applied					
None		2	8	8	10
1 to 40 lbs/A	1	1	12	5	6
41 to 80 lbs/A					1
81-120 lbs/A					
>120 lbs/A					
P ₂ O ₅ applied					
None			6	5	5
1 to 40 lbs/A		1	4		
41 to 80 lbs/A		2	7	4	
81-120 lbs/A	1		3	2	7
>120 lbs/A					1

Cultural Practices of Yield Contest Entries

	Number of Entries for each Production Practice				
	Division I				
	90 Bushel Club	80 Bushel Club	70 Bushel Club	Participants	Division II
Total K ₂ O (lbs/A)					
None			7	5	8
1 to 40 lbs/A			2		
41 to 80 lbs/A	1	1	4	1	1
81-120 lbs/A		2	6	5	8
>120 lbs/A			2		
Manure/Litter Applied					
Yes	0	0	4	2	0
Product			2 tons	2 T Chicken Litter	
Product			2 T Chicken Litter		
Product			3 T Chicken Litter	3 T Chicken Litter	
Other Fertilizer Applied					
Yes	0	0	4	2	2
Products			3-18-18 (3 gal/A)		3-18-18 (3 gal/A)
			30 lbs S/A + 1.5 lbs Zn/A + 10 lbs/A 38%		
			89 lbs/A Sulfur Plus with Boron		
				Foliar Enhance Magnesium and Boron	
				15 lbs S/A + 1.5 lbs Zn/A + 0.5	
					Presto Red Foliar Fertilizer (0.5 gal/A)
Previous Crop					
Corn	1	3	16	7	
Soybean			1	4	
Tobacco			3		
Wheat					15
Canola					1
Barley					1

Cultural Practices of Yield Contest Entries

	Number of Entries for each Production Practice				
	Division I				
	90 Bushel Club	80 Bushel Club	70 Bushel Club	Participants	Division II
Other Inputs	0	0	1	1	1
Products			Sure K (2 gal/A) + Inspire (1 gal/A)	Foliar Feed BOMO + Radiate	VersaMax + Red Zone + Invade
			Brandt Smart Trio		

Kentucky Extension Soybean Production Contest Sponsors

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Bronze Sponsors



As of December 19, 2016

We greatly appreciate all corporations and businesses that support the Soybean Production Contest. Support is used to provide recognition and awards to contest winners and participants.