

2003

KENTUCKY SOYBEAN PRODUCTION CONTEST

Summary of Awards and Cultural Practices



Sponsored by

University of Kentucky Cooperative Extension Service
and
Kentucky Soybean Association

With
Cooperating Agri-Business Companies

January 27, 2004

2003 Kentucky Soybean Production Contest

Summary of Award Winners

Total entries completed - 53
 Div. I (Single-crop) - 39
 Div. II (Double-crop) - 14
 Kentucky counties represented - 15
 Soybean varieties or blends - 28

I. State Awards: Division I (Single-crop) and II (Double-crop)

<u>Award</u>	<u>Div.</u>	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
Champion	I	James Sexton & B. Jones, Jr.	Wayne	DeKalb DKB44-51	83.69
1st Place	I	Chad Elkin	Warren	Pioneer 94B13	81.94
2nd Place	I	Bill Netherland	Taylor	So. Cross Michael-RR	80.15
1st Place	II	Fischer Farms	Daviess	So. Cross Michael-RR	69.42
2nd Place	II	Goetz Brothers	Daviess	So. Cross Titus-RR	64.60

II. District Awards: (Highest entry not a state winner)

<u>District</u>	<u>Div.</u>	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
1	I	Jed Clark	Graves	Pioneer 94B74	70.17
2	I	Hancock Brothers	Union	Crow's C48009RN	80.07
3	I	Tom Folz Farms	Christian	CPS 6444NRR	74.97
4	I	Buckman Family Farms	Marion	DeKalb CX450C	74.92
5		"No Entries Received"			
6	I	Morris Farms	Casey	So. States RT-4098	76.29

III. 60+ Bushel Club

	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
A.	Division I - Single-crop			
1.	James Sexton & Ballard Jones, Jr.	Wayne	DeKalb DKB44-51	83.69
2.	Chad Elkin	Warren	Pioneer 94B13	81.94
3.	Bill Netherland	Taylor	So. Cross Michael-RR	80.15
4.	Hancock Brothers	Union	Crow's C48009RN	80.07
5.	Roy Robinson	Union	Croplan Genet. RC4440	77.41
6.	Morris Farms	Casey	So. States RT-4098	76.29
7.	Tom Folz Farms	Christian	CPS 6444NRR	74.97
8.	Buckman Family Farms	Marion	DeKalb CX450C	74.92
9.	Ebelhar Farms	McLean	So. Cross Joshua	73.22

60+ Bushel Club (Cont'd)

10.	Tom Folz Farms	Christian	CPS 6444NRR	72.59
11.	Greg Greenwell	Union	NK Brand S43-B1	70.76
12.	Larry Parrish	Henderson	NK Brand S37-N4	70.74
13.	Mack Estes	Hancock	So. Cross Michael-RR	70.42
14.	Jed Clark	Graves	Pioneer 94B74	70.17
15.	Dennis Clark	Graves	Vigoro V47N3RR	70.02
16.	Don Burton	Wayne	Pioneer 94B73	69.54
17.	Mose Coblentz	Todd	Crow's C48009RN	68.69
18.	PPJ Thompson Farms	Daviess	Garst D484RR/N	68.53
19.	Ronald Stokes	Todd	Pioneer 94B53	67.32
20.	Ebelhar Farms	McLean	So. Cross Aaron-STS	67.03
21.	PPJ Thompson Farms	Daviess	Pioneer 93B73	66.77
22.	Harold Ebelhar	Daviess	NK Brand S43-B1	66.54
23.	Burton Farms	Wayne	Pioneer 94B73	66.50
24.	Greg Crowley	Hopkins	CPS 6444NRR	66.04
25.	Pasturebelt Farms	Daviess	Pioneer 94B13	65.99
26.	J & D Farms	Daviess	Stine 3942-4	65.65
27.	Edwin White	Union	Pioneer 94B74	64.84
28.	C & J Stuecker	Hardin	So. Cross Michael-RR	64.05
29.	Kevin Clark	Hardin	Diener 400-STS	62.62
30.	Pasturebelt Farms	Daviess	Pioneer 94B13	62.31
31.	Goetz Brothers	Daviess	Asgrow AG3903	61.50
32.	Sprague Brothers	Union	Asgrow AG3903	61.37
33.	Randahl & Joe Stephen Farms	Daviess	Garst D484RR/N	60.67

B. Division II - Double-crop

1.	Fischer Farms	Daviess	So. Cross Michael-RR	69.42
2.	Goetz Brothers	Daviess	So. Cross Titus-RR	64.60
3.	Miller Brothers	Todd	Croplan Genet. RC4444	62.48
4.	Bill Balance	Warren	Stine 3800-4	61.41
5.	Rodney Howard	McLean	So. Cross Titus-RR	60.61
6.	Burton Farms	Wayne	DeKalb DKB44-51	60.43

IV. County Agricultural Agent Awards

<u>Award</u>	<u>Agent</u>	<u>County</u>	<u>Yield (Bu/A)</u> or <u>(# Entries)</u>
1. Agent with State Champion Entry	Glen Roberts	Wayne	83.69
2. Agent with Top 3 Avg. Yield	Rankin Powell	Union	76.08
3. Most Entries Submitted	Clint Hardy	Daviess	(18)

Summary of Cultural Practices

The information summarized below is from a questionnaire completed by each of the 53 contestant entries. A no response means the information was not provided by the contestant(s). The number in () represents the 39 entries that yielded over 60 bushels per acre. The letters (a,b,c,d,e) represent practices of the State Winners (Letter codes explained at end of summary).

Did you plant certified seed?

Yes	49	(36)a,b,c,d,e
No	2	(2)
No response	2	(1)

Germination of seed planted.

90% or more	21	(17)a,d
85-89%	16	(10)b,c
80-84%	5	(4)
<80%	0	
No response	11	(8)e

Did you inoculate your seed?

Yes	22	(18)a,b,c
No	28	(21)d,e
No response	3	

What tillage system was used?

<u>Div. I (Single-crop):</u>		
Conventional	0	
Minimum-till	7	(5)
No-tillage	32	(28)a,b,c
No response	0	
<u>Div. II (Double-crop):</u>		
Conventional	0	
Minimum-till	2	
No-tillage	12	(6)d,e
No response	0	

What row width did you plant?

<u>Div. I (Single-crop):</u>		
Solid	1	(1)
6-10"	11	(10)c
11-15"	25	(20)a,b
16-20"	2	(2)
21-29"	0	
30"	0	
31-40"	0	
No response	0	
<u>Div. II (Double-crop):</u>		
6-10"	5	(1)
11-15"	9	(5)d,e
16-20"	0	
30"	0	
No response	0	

What was your planting date?

<u>Div. I (Single-crop):</u>		
Late April	0	
May 1-10	3	(3)c
May 11-20	15	(13)a,b
May 21-31	15	(15)
June 1-10	4	(1)
June 11-20	1	(1)
June 21-30	0	
July 1+	1	
No response	0	

<u>Div. II (Double-crop):</u>		
June 1-10	0	
June 11-20	6	(3)e
June 21-30	7	(3)d
July 1+	0	
No response	1	

What was your planting rate (seeds/acre)?

<u>Division I (Single-crop):</u>		
< 125,000	0	
126,000 - 150,000	0	
151,000 - 175,000	17	(16)c
176,000 - 200,000	19	(15)b
201,000 - 225,000	1	(1)
225,000 +	0	
No response	2	(1)a

<u>Division II (Double-crop):</u>		
< 125,000	1	
126,000 - 150,000	1	
151,000 - 175,000	2	(1)
176,000 - 200,000	8	(5)d,e
201,000 - 225,000	0	
225,000 +	1	
No response	1	

What rate of P₂O₅ and K₂O were applied?

<u>Lbs/A</u>	<u>P₂O₅</u>	<u>K₂O</u>
0	28	(20)a,d,e
1-40	7	(5)
41-80	12	(9)c
81-120	3	(2)
120 +	0	
Manure applied	3	(3)b
No response	0	
		28
		4
		7
		9
		2
		3
		0

Was nitrogen applied?

Yes	10	(10)c
No	40	(26)a,d,e
Manure applied	3	(3)b
No response or unknown	0	

What was your previous crop?

<u>Div. I (Single-crop):</u>		
Corn	36	(32)a,b,c
Soybeans	1	(1)
Grain Sorghum	0	
Small Grains	0	
Wheat/Soybeans Double-crop	0	
Barley/Soybeans Double-crop	0	
Pasture or Sod	0	
Corn/Wheat Cover crop	0	
None (Fallow)	1	
No response	1	
<u>Div. II (Double-crop):</u>		
Wheat	14	(6)d,e
Barley	0	
Canola	0	
No response	0	

What type of herbicide application did you use?

Preplant-incorp. (PPI)	0	
Preemergence (PRE)	1	(1)
PPI + PRE	0	
PPI + Postemergence	0	
PRE + Postemergence	27	(23)a,b,c
PPI + PRE + POST	0	
Postemergence (POST)	25	(15)d,e
None	0	
No Response	0	

Did you use some form of cultivation for weed control?

Yes	2	
No	51	(39)a,b,c,d,e
No response	0	

Six most commonly used varieties.

So. Cross Michael-RR	8	(4)
Asgrow AG3903	4	(2)
Pioneer 94B13	4	(3)
CPS 6444NRR	3	(3)
Crow's C48009RN	3	(2)
Garst D484RR/N	3	(2)

What herbicides were used?

Assure II + Synchrony STS	1	(1)
Canopy XL	1	(1)c
Canopy XL + 2,4-D	1	(1)
Frontrow + Fusion + Cobra + Harmony GT XP	1	(1)
Gramoxone	1	(1)
Select + Reflex	2	(2)
Select + Synchrony STS	1	(1)
<u>Glyphosate Products, Pre-mixes and Tank Mixes:</u>		
Backdraft SL + Scepter + Prowl + 2,4-D (PRE)	1	(1)
Buccaneer + 2,4-D (PRE)	2	(2)
Buccaneer Plus + Amplify (PRE)	1	(1)
Buccaneer Plus (POST)	2	(2)
ClearOut (POST)	3	
Credit/Credit Plus (POST)	2	(2)b
Extreme + 2,4-D (PRE)	2	(2)
Extreme (POST)	3	(3)d
Mirage Plus (POST)	1	(1)
Mirage Plus (PRE + POST)	2	(2)
Roundup* (PRE)	1	(1)b
Roundup* (POST)	15	(9)c,e
Roundup* (PRE + POST)	15	(11)a
Roundup* + Extreme (POST)	2	(1)
Roundup* + FirstRate (POST)	1	(1)
Touchdown + Valor + 2,4-D (PRE)	1	(1)
Touchdown (POST)	1	(1)

*Various formulations used.

Explanation of letter codes (State winners):

- a = State Champion
- b = Div. I (Single-crop) 1st Place
- c = Div. I (Single-crop) 2nd Place
- d = Div. II (Double-crop) 1st Place
- e = Div. II (Double-crop) 2nd Place

Summary of Other Entries

<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
A. Division I - Single-crop			
Charlie Fulkerson	Daviess	Asgrow AG3903	59.25
Charlie Fulkerson	Daviess	Asgrow AG3903	59.15
Bucky Walters	Daviess	So. Cross Michael-RR	58.37
Bucky Walters	Daviess	So. Cross Michael-RR	56.33
Joe Foster	Daviess	Pioneer 93B67	54.40
Sam Frazer	Hopkins	Pioneer 94B52	50.89
B. Division II - Double-crop			
Griffith Farms	Graves	Great Lakes GL 5309RR	45.59
Bucky Walters	Daviess	So. Cross Michael-RR	58.70
Bucky Walters	Daviess	So. Cross Michael-RR	57.00
PPJ Thompson Farms	Daviess	Pioneer 94B13	53.36
Bill Thomas	Union	DeKalb CX480cRR	49.12
Waller Hulette	Union	NK Brand S46-G2	47.16
Running T Farms	Union	Crow's C48009RN	46.79
Malcolm Oatts	Christian	Garst D484RR/N	51.49

Cooperating Agri-Business Companies and Associations

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Kentucky Soybean Association

GOLD LEVEL

Monsanto Company

Pioneer a DuPont Company

Syngenta Crop Protection

SILVER LEVEL

Agri-Chem

Crop Production Services (CPS Brand Seed)

Delta King Seed Company

BRONZE LEVEL

FMC Corp.

Garst Seeds

Miles Farm Supply

Monsanto Co. (Asgrow/DeKalb Brand Seed)

Southern States Coop.

Syngenta Seeds

Thorp Seed Co. (Golden Harvest)