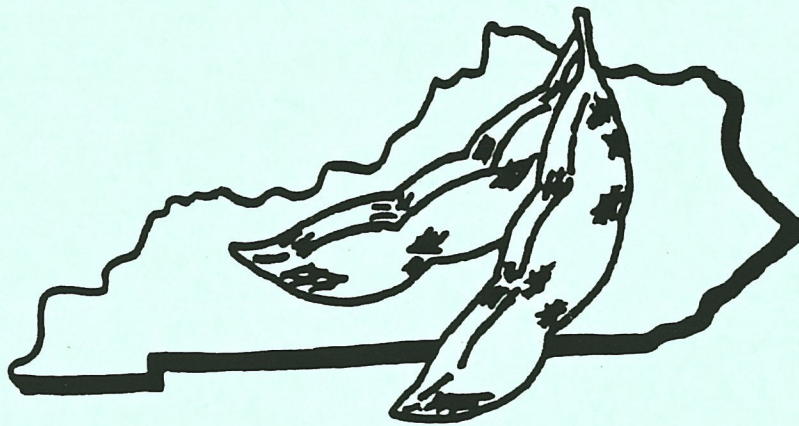


1999

KENTUCKY SOYBEAN PRODUCTION CONTEST

Summary of Awards and Cultural Practices



Sponsored by

**University of Kentucky Cooperative Extension Service
Kentucky Seed Improvement Association
and
Kentucky Soybean Association**

**With
Cooperating Agri-Business Companies**

January 18, 2000

1999 Kentucky Soybean Production Contest

Summary of Award Winners

No. of entries completed - 60
 Kentucky counties represented - 15
 Soybean varieties or blends - 40

I. State Winners

<u>Award</u>	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
Champion	David Hatton	Bath	Asgrow AG4501	88.84
2nd Place	Brown's Ramsey Creek Farm	Union	NK Brand S42-60	75.16
3rd Place	Billy & Roger Morris	Casey	Pioneer 9492	74.91

II. District Winners

<u>District</u>	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
1	"No Entries Received"			
2	Clay Wells	Union	NK Brand S42-60	74.60
3	Paul Austin	Hopkins	Asgrow A3904	53.59
4	Mark Reding	Larue	Pioneer 9452	58.81
5	Schwenke Brothers	Boone	Pioneer 94B01	50.34
6	John Livesay	Pulaski	DeKalb CX456RR	67.53

III. 60 Bushel Club

<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
1. David Hatton	Bath	Asgrow AG4501	88.84
2. Brown's Ramsey Creek Farm	Union	NK Brand S42-60	75.16
3. Billy & Roger Morris	Casey	Pioneer 9492	74.91
4. Clay Wells	Union	NK Brand S42-60	74.60
5. Wells Brothers	Union	NK Brand S42-60	70.39
6. Larry Parrish	Henderson	LG Seeds LG 6422	70.05
7. Charles O'Nan	Union	DeKalb CX450C	69.12
8. Wells Brothers	Union	Asgrow A4341	68.63
9. Sprague Brothers	Union	DeKalb CX400	68.60
10. John Livesay	Pulaski	DeKalb CX456RR	67.53
11. Flatlick Farms	Daviess	Asgrow AG4702	67.36
12. Hancock Brothers	Union	NK Brand S42-60	67.30
13. Land O'Nan Farms	Union	DeKalb CX450C	66.56
14. Sparks Farms	Daviess	NK Brand 3505	66.42

60 Bushel Club (Cont'd)

15.	Brown's Ramsey Creek Farm	Union	Callahan 3484	66.18
16.	Land O'Nan Farms	Union	NK Brand S42-60	66.15
17.	Tony McCarty	Daviess	Callahan 5510	66.12
18.	Monty Parrish	Henderson	Asgrow AG3701	65.78
19.	Tommy Rudd	Union	NK Brand S46-W8	64.28
20.	P.P.J. Thompson Farms	Daviess	DeKalb CX450C	64.10
21.	P.P.J. Thompson Farms	Daviess	Pioneer 94B01	63.42
22.	John Kuegel, Jr.	Daviess	So. states FFR-493	63.06
23.	Goetz Farms	Daviess	DeKalb CX419cRR	62.97
24.	Sprague Brothers	Union	Asgrow A3904	62.92
25.	John & David Blandford	Daviess	So. Cross Exodus	62.78
26.	Tony McCarty	Daviess	Callahan 9454 STS	62.08
27.	Bucky Walters	Daviess	Gutwein 7410	61.73
28.	Matt Mason	Union	Pioneer 94B01	61.11
29.	Zoglmann Brothers	Daviess	Pioneer 94B01	60.64
30.	Sprague Brothers	Union	NK Brand S42-60	60.47

IV. Agriculture Agent with Top 3 Entries

Rankin Powell - Union County - 73.38 Bu/A

Summary of Cultural Practices

The information summarized below is from a questionnaire completed by each contestant. An indication of no response means the contestant provided no information. The number in () represents the 30 entries that yielded over 60 bushels per acre and a,b,c represent practices of the State Champion, 2nd place, and 3rd place, respectively.

Did you plant certified seed?

Yes	51	(27)a,b,c
No	2	(2)
No response	7	(1)

Germination of seed planted.

90% or more	25	(17)a,b
85-89%	4	
80-84%	4	(4)
< 80%	2	(2)
No response	25	(7)c

Did you inoculate your seed?

Yes	21	(7)c
No	30	(22)a,b
No response	9	(1)

What was your planting date?

Late April	3	(3)a,b
May 1-10	25	(15)c
May 11-20	24	(9)
May 21-31	4	(3)
June 1-10	1	
June 11-20	0	
June 21 +	1	
No response	2	

What row width did you plant?

Solid	0	
6-10"	13	(6)a
11-15"	42	(22)b
16-20"	3	(1)c
21-29"	0	
30"	1	(1)
31-40"	0	
No response	1	

What was your planting rate?

< 50 lbs.	4	
50-60 lbs.	36	(17)
61-70 lbs.	11	(9)a,c
71-80 lbs.	5	(2)b
81-90 lbs.	3	(2)
90 + lbs.	0	
No response	1	

What year was your soil last tested?

1995-1996	0	
1997	8	(6)
1998	22	(14)b
1999	9	(4)
No response or unknown	21	(6)a,c

What was the pH of the soil?

Less than 5.5	0	
5.5 - 6.0	2	
6.1 - 6.5	19	(13)b
6.6 +	14	(8)
No response or unknown	25	(9)a,c

What rate of P₂O₅ and K₂O were applied?

<u>Lbs/A</u>	<u>P₂O₅</u>	<u>K₂O</u>		
0	34	(18)b,c	27	(10)b,c
1-40	9	(4)	8	(4)
41-80	13	(7)a	13	(7)a
81-120	1		6	(5)
120 +	0		3	(3)
No response	3	(1)	3	(1)

Was nitrogen applied?

Yes	15	(6)a
No	43	(23)b,c
No response or unknown	2	(1)

What was your previous crop?

Corn	56	(28)b,c
Soybeans	3	(2)a
Grain Sorghum	0	
Small Grains	0	
Corn/Wheat Double-crop	1	
Corn/Barley Double-crop	0	
Forage (Hay)	0	
Corn/Wheat Cover crop	0	
No response	0	

What tillage system was used?

Conventional	2	(2)
Minimum-till	34	(21)a,b
No-tillage	24	(7)c
No response	0	

What type of herbicide application did you use?

Preplant-incorp. (PPI)	5	(5)
Preemergence (PRE)	5	(4)b
PPI + PRE	0	
PPI + Postemergence	4	
PRE + Postemergence	25	(11)c
PPI + PRE + POST	3	(3)
Postemergence	17	(7)a
None	0	
No Response	1	

Did you use some form of cultivation for weed control?

Yes	2	
No	57	(30)a,b,c
No response	1	

What were the main factors responsible for high yields?

Good weed control	13	(9)
High fertility level	9	(8)
Good productive soil	26	(18)b,c
Good variety	5	(5)
Good stand	3	(3)
Good management	2	(2)b
Narrow rows	2	(2)
Good weather	3	
Early planting	4	(3)
Crop rotation	0	
Irrigation	0	
Other	0	
No response	23	(4)a

What were the limiting factors that prevented you from having a higher yield?

Dry weather	35	(25)a,b
Continuous Soybean	1	
Late harvest or loss	0	
Disease	0	
Poor weed control	0	
Fertility	0	
Poor Stand	0	
Late planting	0	
Lodging	1	
No response	24	(5)c

Three most commonly used varieties.

Pioneer 94B01	8	(3)
NK Brand S42-60	6	(6)
DeKalb CX450C	3	(3)

What herbicides were used?

Authority + Command	3	(1)
Authority + Prowl	1	(1)
Blazer + Fusion	1	
Broadstrike/Dual	2	
Classic	1	
Cobra + Select	2	(2)
Dual	1	(1)
Flexstar	1	(1)
Flexstar + Fusion	1	(1)
Frontrow	3	(3)
Gramoxone	4	
Prowl	1	
Prowl + Python	3	(3)
Pursuit	2	(1)
Pursuit + FirstRate	3	(1)
Pursuit + Select	1	(1)
Pursuit + Fusion + Flexstar	2	(2)
Pursuit + Fusion + Status	1	(1)
Reflex	2	(2)
Reflex + Fusion	1	
Roundup Ultra	11	(4)c
Roundup Ultra (POE)	30	(10)a,c
Roundup Ultra + Authority	1	
Roundup Ultra + Pursuit	2	
Roundup Ultra + Squadron	1	(1)
Roundup Ultra + Squadron + 2,4-D	1	(1)
Squadron	1	(1)
Steel	5	(5)b
Storm	1	
Touchdown + Broadstrike/Dual	2	(2)
Treflan	1	
Turbo	3	(3)
No response	1	

Summary of Other Entries

<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
Gene Glen & Sons	Daviess	So. Cross David	59.50
Brian & Jerry Fischer	Daviess	So. Cross Exp. 42002	55.63
Pasture Belt Farms	Daviess	Asgrow AG3701	55.49
Castlen Brothers	Daviess	Pioneer 94B01	55.30
Castlen Brothers	Daviess	Pioneer 94B01	54.02
P.P.J. Thompson Farms	Daviess	DeKalb CX420RR	55.15
P.P.J. Thompson Farms	Daviess	NK Brand 3474	54.88
Martin Krampe, Jr.	Daviess	So. Cross Exp. 4100	54.93
Taylor Brothers	Daviess	So. States FFR-439	54.58
Goetz Farms	Daviess	Asgrow AG4901	53.85
Goetz Farms	Daviess	Asgrow AG4901	46.84
Zoglmann Brothers	Daviess	Asgrow AG4702	53.41
Sparks Brothers	Daviess	NK Brand S36-U2	52.15
Jerry O'Bryan	Daviess	So. Cross Micah	51.95
O'Bryan Farms (Allan Ward)	Daviess	So. Cross Jude	43.53
S & S Farms	Union	DeKalb CX470C	56.76
David Walker	Union	Pioneer 94B01	56.05
Mark Weir	Hopkins	So. States RT-446N	52.69
Alvin & Danny Barrick	Warren	So. Cross Paul	51.27
Homer Lee Richardson	Meade	Garst D485	28.23
David Miller	Hardin	DeKalb CX426RR	27.66
Buster Hall	Taylor	Pioneer 94B01	59.75
Sexton Brothers & Lloyd Burnett	Wayne	DeKalb CX403RR	51.44
Sexton Brothers & Ballard Jones	Wayne	Pioneer 9492	51.20
Sexton Brothers & Otis New	Wayne	DeKalb CX420RR	36.12
David Byler	Wayne	DeKalb CX460RR	48.04
Clint Voils & Chris Adams	Russell	Ag Venture 1468N	45.13

Cooperating Agri-Business Companies and Associations

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Callahan Seeds

Miles Seed

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Novartis Seeds

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Garst Seeds