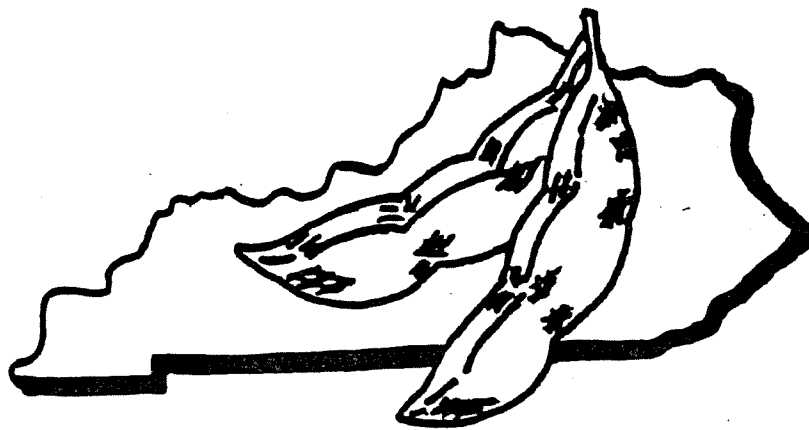


1992

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, 1993

1992 Kentucky Soybean Production Contest

Summary of Award Winners

No. of entries completed - 78
 Kentucky counties represented - 14
 Soybean varieties or blends - 29

I. State Winners

<u>Award</u>	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
Champion	Willard Farmer	Marion	Asgrow 4715	77.00
2nd Place	Wells Brothers	Union	Asgrow 4715	75.26
3rd Place	Randahl & Joe Stephen	Daviess	Asgrow 4715	71.79

II. District Winners

<u>District</u>	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
1	Steve & Klint Kelley	Carlisle	Asgrow 4715	52.26
2	Hancock Brothers	Union	DeKalb CX458	71.29
3	Greg Crowley	Hopkins	Pioneer 9442	63.02
4	Grant Walters	Butler	Asgrow 4715	71.72
5	Schwenke Brothers	Boone	Asgrow 3935	68.38
6	Dave Watson	Fleming	DeKalb CX415	57.21

III. 60 Bushel Club

	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
1.	Willard Farmer	Marion	Asgrow 4715	77.00
2.	Wells Brothers	Union	Asgrow 4715	75.26
3.	Randahl & Joe Stephen	Daviess	Asgrow 4715	71.79
4.	Grant Walters	Butler	Asgrow 4715	71.72
5.	Hancock Brothers	Union	DeKalb CX458	71.29
6.	Hancock Brothers	Union	Asgrow 4595	70.49
7.	Wells Brothers	Union	Asgrow 4715	69.86
8.	Donnie Greenwell	Union	Asgrow 4595	68.95
9.	Schwenke Brothers	Boone	Asgrow 3935	68.38
10.	Keith Ayer	McLean	Asgrow 4715	67.50

60 Bushel Club (Cont'd)

11. Randahl & Joe Stephen	Daviess	Stine 4880	66.58
12. Randy Greenwell	Union	Asgrow 4715	66.30
13. Jerry White	Union	J. W. Special	66.26
14. Gough Farms	Union	Asgrow 4715	66.25
15. Johnny Royster	Union	NK Coker 425	66.04
16. Mike Cecil	Daviess	SS-391	65.98
17. J. David Simcoe	Hardin	Asgrow 4595	65.38
18. Pat Thompson	Daviess	Asgrow 4715	65.29
19. James McElroy	Union	Pioneer 9442	65.25
20. Castlen Brothers	Daviess	Pioneer 9443	64.84
21. James McElroy	Union	Pioneer 9442	64.83
22. Ed White	Union	Asgrow 4595	64.78
23. Sprague Brothers	Union	Ciba-Geigy 3385	64.75
24. James McElroy	Union	Asgrow 4715	64.63
25. Wells Brothers	Union	Asgrow 4595	63.37
26. Greg Crowley	Hopkins	Pioneer 9442	63.02
27. A. D. Sprague	Union	FFR-561	62.63
28. Sprague Brothers	Union	DeKalb CX336	62.32
29. Gerald Day	Union	Pioneer 9521	62.12
30. MBC Maloney	Union	NK Coker 425	61.79
31. Donnie Greenwell	Union	Asgrow 4715	61.49
32. David M. Walker	Union	NK 4240	61.35
33. Joe Wells	Union	Asgrow 4715	61.29
34. Thomas Brothers	Union	Asgrow 4715	61.07
35. Sprague Brothers	Union	DeKalb CX469C	60.88
36. Bucky Walters & John Kuegel	Daviess	Pennyrile	60.83
37. Hancock Brothers	Union	NK 4240	60.63
38. James McElroy	Union	NK 4240	60.07

IV. Agriculture Agent with Top 3 Entries

Gene Brown - Union County - 72.35 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 38 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	60 (33)a,b,c
No	10 (3)
No response	8 (2)

Germination of seed planted.

90% or more	40 (19)c
85-89%	16 (9)a,b
80-84%	3 (1)
No response	19 (9)

Did you inoculate your seed?

Yes	34 (14)a,c
No	33 (21)b
No response	11 (3)

What was your planting date?

Late April	4 (2)
May 1-10	27 (16)c
May 11-20	26 (13)a
May 21-31	12 (5)b
June 1-10	2 (2)
June 11-20	3
June 21 +	4
No response	0

What row width did you plant?

Solid	2 (2)
6-10"	14 (2)
11-15"	37 (22)b
16-20"	7
21-29"	0
30"	16 (11)c
31-40"	2 (1)a
No response	0

What was your planting rate?

< 50 lbs.	9 (6)a
50-60 lbs.	31 (17)c
61-70 lbs.	16 (7)b
71-80 lbs.	11 (2)
81-90 lbs.	9 (5)
90 + lbs.	1
No response	1 (1)

What year was your soil last tested?

1988-1989	5 (2)
1990	15 (9)b,c
1991	29 (13)
1992	14 (9)
No response or unknown	15 (5)a

What was the pH of the soil?

Less than 5.5	1 (1)
5.5 - 6.0	11 (7)
6.1 - 6.5	37 (17)b,c
6.6 +	16 (9)a
No response or unknown	13 (4)

What rate of P₂O₅ and K₂O were applied?

<u>Lbs/A</u>	<u>P₂O₅</u>	<u>K₂O</u>
0	45 (17)c	44 (17)c
1-40	8 (3)	6 (3)
41-80	20 (15)b	14 (7)
81-120	3 (2)a	10 (8)a,b
120 +	0	2 (2)
No response	2 (1)	2 (1)

Was nitrogen applied?

Yes	15 (8)a
No	58 (28)b,c
No response or unknown	5 (2)

What was your previous crop?

Corn	74 (37)a,b,c
Soybeans	1 (1)
Grain Sorghum	0
Small Grains	3
Wheat/Soybeans	0
Forage or Sod	0
Corn/Wheat Cover	0
None (idle)	0
No response	0

What tillage system was used?

Conventional	16 (13)b
Minimum-till	43 (22)a,c
No-tillage	19 (3)
No response	0

What type of herbicide application did you use?

Preplant-incorp. (PPI)	26	(13)b,c
Preemergence (PRE)	5	(1)
PPI + PRE	1	(1)
PPI + Postemergence	27	(20)a
PRE + Postemergence	8	(2)
PPI + PRE + POST	0	
Postemergence	10	(1)
None	1	
No Response	0	

Did you use some form of cultivation for weed control?

Yes	10	(7)c
No	58	(28)a,b
No response	10	(3)

What were the main factors responsible for high yields?

Good weed control	1	(1)
High fertility level	4	
Good productive soil	7	(5)c
Good variety	0	
Good stand	0	
Good management	1	(1)
Narrow rows	2	(2)b
Good weather	37	(23)c
Early planting	0	
Crop rotation	0	
Manure	0	
No-till	0	
No response	37	(12)a

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

Poor weather (dry)	0	
Other weather	20	(14)
Disease	0	
Late harvest or loss	2	(2)
Poor weed control	2	(1)
Fertility	1	(1)
Lodging	1	
Late planting	0	
No response	53	(19)

Five most commonly used varieties.

Asgrow 4715	20	(13)a,b,c
Asgrow 4595	9	(5)
N. King NK 4240	6	(3)
Pioneer 9442	5	(4)
Asgrow 3935	5	(1)

What herbicides were used?

Basagran	1	(1)
Basagran + Reflex	2	(1)
Blazer	1	
Blazer + Butyrac	1	
Bronco + Scepter + 2,4-D	1	(1)
Classic + Poast Plus	1	(1)
Cobra + Pursuit	2	
Dual	1	
Dual + 2,4-D	1	(1)
Dual + Scepter	5	(2)
Freedom	8	(5)a,b
Freedom + Scepter	3	(1)
Fusilade	5	(2)
Fusilade + Reflex	3	(1)
Fusion	1	(1)
Galaxy	2	(1)
Lasso + Canopy + 2,4-D	1	
Lasso MT + Scepter	1	
Prowl	2	(1)
Pursuit	12	(5)
Pursuit + Basagran	2	(2)
Pursuit + Butyrac	3	(3)
Reflex	2	(1)a
Roundup	1	(1)
Roundup + Lorox	2	
Roundup + Dual + Lorox	2	
Roundup + Prowl	1	
Scepter	1	(1)
Scepter + Fusilade	1	(1)
Squadron	5	(2)c
Tornado	5	(1)
Treflan	13	(10)
Treflan + Canopy	1	
Treflan + Pursuit	1	(1)
Treflan + Scepter	7	(3)
Treflan + Tri-Scept	1	(1)
Tri-Scept	10	(6)

Summary of Other Entries

<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
Tony McCarty	Daviess	N. King NK 4240	59.75
Bobby & Gene Glenn	Daviess	Isacc	59.40
Mike Cecil	Daviess	So. States SS-487	58.38
Tony McCarty	Daviess	Asgrow 4715	57.88
Flatlick Farms	Daviess	Asgrow 4715	56.74
Larry Atkinson	Daviess	Asgrow 4715	55.03
Gene Glenn	Daviess	Jacob	53.98
Koller Farms	Daviess	Jacob	52.21
Koller Farms	Daviess	Asgrow 4595	50.72
Randahl & Joe Stephen	Daviess	Stine 4880	52.03
Preston Fulkerson	Daviess	Pioneer 9442	49.10
Gene Glenn	Daviess	TN 4-86	40.45
Elliott Farms	Henderson	Asgrow 4715	59.50
Gerry Hayden	McLean	Fayette	57.99
Steve Turley	Webster	Asgrow 4715	57.10
Denny Hardesty	Union	So. States FFR-561	59.68
Joe Wells	Union	N. King NK 4240	59.52
Scott Henshaw	Union	Callahan 1490	59.45
Philip Henshaw	Union	Callahan 9480	58.46
Waller Brothers	Union	N. King NK 4240	57.73
Mark Greenwell	Union	Asgrow 4715	57.42
Randy Hagan	Union	Asgrow 4595	56.80
Thomas Brothers	Union	Asgrow 4715	54.00
Charles O'Nan	Union	Asgrow 4595	53.47
Charles O'Nan	Union	Asgrow 3935	51.23
Hunter Farms	Union	NK Coker 425	52.50
Sprague Brothers	Union	Asgrow 3935	50.29, 47.59
Happy Hollow Farms	Hopkins	Pioneer 9303	57.70
Kevin Clark	Hardin	Asgrow 3595	54.85
Kevin Clark	Hardin	Asgrow 4595	53.15
B & H Farm	Hardin	NK Coker 425	54.83
Charles Langley, Jr.	Hardin	N. King NK 4884	54.03
George Pickerell	Larue	Hutcheson	52.61
Burton Farms/Don Burton	Wayne	Pioneer 9501	56.27, 49.51
Orman & Douglas Burton	Wayne	Hutcheson	55.43
Orman & Douglas Burton	Wayne	Pennyrile	53.22

Cooperating Agri-Business Companies

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Ciba-Geigy Seed Division

Rhone-Poulenc

DeKalb Plant Genetics

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