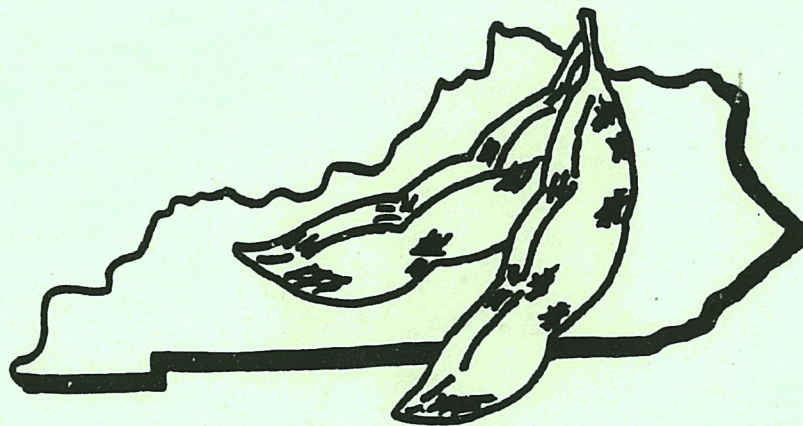


1995

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 30, 1996

1995 Kentucky Soybean Production Contest

Summary of Award Winners

No. of entries completed - 54
 Kentucky counties represented - 13
 Soybean varieties or blends - 33

I. State Winners

<u>Award</u>	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
Champion	Charles O'Nan	Union	DeKalb CX 434	70.26
2nd Place	Wells Brothers	Union	Pioneer 9472	68.33
3rd Place	Schwenke Brothers	Boone	Asgrow 4045	67.29

II. District Winners

<u>District</u>	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
1	Lyle Martin	Carlisle	ICI 485	49.76
2	Eddie Steward	Union	N.King S 46-44	66.74
3	Greg Crowley	Hopkins	Pioneer 9472	56.62
4	J. David Miller	Hardin	Asgrow 4715	55.12
5	Randy Godman	Harrison	Asgrow 4431	62.31
6	Dave Watson	Fleming	DeKalb CX 434	66.17

III. 60 Bushel Club

	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
1.	Charles O'Nan	Union	DeKalb CX 434	70.26
2.	Wells Brothers	Union	Pioneer 9472	68.33
3.	Schwenke Brothers	Boone	Asgrow 4045	67.29
4.	Land O'Nan Farms	Union	Asgrow 4341	67.11
5.	Eddie Steward	Union	N.King S 46-44	66.74
6.	Land O'Nan Farms	Union	Callahan 3484	66.37
7.	Ed White	Union	Asgrow 4595	66.25
8.	Tony McCarty	Daviess	Callahan 3484	66.24
9.	Dave Watson	Fleming	DeKalb CX 434	66.17
10.	Wood Brothers	McLean	Asgrow 4715	65.30
11.	Zoglmann Brothers	Daviess	Asgrow 3935	65.00
12.	Mark Howard	McLean	Asgrow 4715	64.45
13.	Pasture Belt Farms	Daviess	Asgrow 4045	64.31
14.	Dave Watson	Fleming	DeKalb CX 404	63.42
15.	Jimmy Gilles	Daviess	So.States FFR-439	62.97

60 Bushel Club (Cont'd)

16. Bucky Walters & John Kuegel	Daviess	Gutwein 7474	62.73
17. Sprague Brothers	Union	Ciba 3474	62.69
18. Randy Godman	Harrison	Asgrow 4431	62.31
19. Larry Parrish	Henderson	N.King S 46-44	61.72
20. Dan Thompson	Daviess	Asgrow 4138	61.32
21. Pasture Belt Farms	Daviess	DeKalb CX 434	60.49
22. Dave Watson	Fleming	DeKalb CX 445	60.18

IV. Agriculture Agent with Top 3 Entries

Gene Brown - Union County - 68.57 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 22 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	42 (17)a,b,c
No	8 (3)
No response	4 (2)

What year was your soil last tested?

1991-1992	2
1993	10 (4)b
1994	23 (10)a
1995	5 (1)c
No response or unknown	14 (7)

Germination of seed planted.

90% or more	28 (13)a,b
85-89%	12 (2)c
80-84%	0
No response	14 (7)

What was the pH of the soil?

Less than 5.5	0
5.5 - 6.0	1 (1)
6.1 - 6.5	27 (11)b
6.6 +	9 (3)a,c
No response or unknown	17 (7)

Did you inoculate your seed?

Yes	18 (7)c
No	26 (10)a,b
No response	10 (5)

What rate of P₂O₅ and K₂O were applied?

<u>Lbs/A</u>	<u>P₂O₅</u>	<u>K₂O</u>
0	24 (9)a,c	22 (8)a,c
1-40	7 (4)	4 (1)
41-80	16 (5)	13 (6)
81-120	1 (1)	6 (2)
120 +	0	3 (2)
No response	6 (3)b	6 (3)b

What was your planting date?

Late April	0
May 1-10	6 (2)
May 11-20	6 (4)a
May 21-31	10 (5)b,c
June 1-10	14 (5)
June 11-20	9 (3)
June 21 +	2
No response	7 (3)

Was nitrogen applied?

Yes	11 (6)a,c
No	37 (13)
No response or unknown	6 (3)b

What row width did you plant?

Solid	1 (1)
6-10"	14 (5)b
11-15"	22 (12)
16-20"	3
21-29"	4
30"	9 (3)a,c
31-40"	0
No response	1 (1)

What was your previous crop?

Corn	44 (20)a,b,c
Soybeans	2
Grain Sorghum	0
Small Grains	3
Wheat/Soybeans	0
Forage or Sod	1
Corn/Wheat Cover	0
None (idle)	0
No response	4 (2)

What was your planting rate?

< 50 lbs.	2
50-60 lbs.	24 (9)a,c
61-70 lbs.	12 (7)b
71-80 lbs.	11 (3)
81-90 lbs.	1 (1)
90 + lbs.	0
No response	4 (2)

What tillage system was used?

Conventional	5 (2)
Minimum-till	34 (13)a,b,c
No-tillage	13 (5)
No response	2 (2)

What type of herbicide application did you use?

Preplant-incorp. (PPI)	9	(5)
Preemergence (PRE)	2	(1)
PPI + PRE	0	
PPI + Postemergence	11	(4)b,c
PRE + Postemergence	19	(4)
PPI + PRE + POST	0	
Postemergence	11	(6)a
None	0	
No Response	2	(2)

Did you use some form of cultivation for weed control?

Yes	3	(1)a,b
No	37	(11)c
No response	14	(10)

What were the main factors responsible for high yields?

Good weed control	7	(2)
High fertility level	1	(1)
Good productive soil	3	(1)
Good variety	4	(1)c
Good stand	2	(2)
Good management	0	
Narrow rows	0	
Good weather	9	(5)a
Early planting	2	(1)
Crop rotation	0	
No disease	2	(1)
No-till	3	(2)
No response	34	(12)b

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

Poor weather (dry)	21	(8)a
Other weather	7	(3)c
Disease	1	(1)
Late harvest or loss	0	
Poor weed control	1	
Fertility	0	
Lodging	0	
Late planting	3	(2)
Insects	0	
No response	24	(9)b

Five most commonly used varieties.

Asgrow 4715	10	(2)
Calahan 3484	3	(2)
DeKalb CX 434	3	(3)a
So. States FFR-439	3	(1)
N. King S 46-44	3	(2)

What herbicides were used?

Assure II + Classic	1	
Basagran + Fusilade	2	
Basagran + Reflex	2	(1)b
Basagran + Fusion + Reflex	5	(3)a
Basagran + Fusilade + Reflex + Butyrac	1	(1)
Broadstrike SF	1	(1)
Broadstrike SF + Dual	5	(3)
Bronco	1	
Canopy	2	
Canopy + Command	1	
Canopy + Dual	2	
Detail	2	(2)
Dual + Scepter	2	
Freedom	1	(1)b
Fusilade	3	(1)
Fusilade + Reflex	3	
Fusion	3	(1)
Fusion + Reflex	1	
Gramoxone Extra	1	(1)
Partner	1	
Poast Plus	1	
Prowl	2	
Prowl + Scepter	2	
Pursuit	8	(3)
Pursuit + Cobra	1	(1)
Reflex + Butyrac	1	
Reflex + Rescue	1	
Reflex + Tornado	1	
Roundup	5	(1)
Roundup + 2,4-D	2	(1)
Roundup + Scepter	1	
Scepter + Command	1	(1)
Scepter + Fusilade	1	
Scepter + Treflan	2	(1)
Squadron	3	
Storm	1	(1)
Synchrony STS	1	(1)c
Tornado	4	(1)
Treflan	2	
Tri-4	1	(1)
Tri-Scept	2	
No response (not stated)	2	(2)

Summary of Other Entries

<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
Dan Bowles	Carlisle	ICI 454	42.17
Davis Brothers	Carlisle	Asgrow 5843	38.73
Pat Thompson	Daviess	ICI 485	57.32
Pasture Belt Farms	Daviess	DeKalb CX 478	55.20
Mike Cecil	Daviess	Asgrow 4715	51.03
Flatlick Farms	Daviess	So.Cross Jacob	45.25
Bob Watson	Henderson	N.King S 46-44	45.25
Rodes Walters & Sons	McLean	Asgrow 4715	57.32
Roger Williams	McLean	Gutwein 7440	57.11
Joe Wells	Union	So.States FFR-500	58.39
Joe Wells	Union	Asgrow 4715	55.81
Land O'Nan Farms	Union	Callahan 3484	57.85
David Walker	Union	Asgrow 4539	55.06
Bill Gough	Union	So.States FFR-500	54.32
Clements & French	Union	Asgrow 4715	54.23
Sprague Brothers	Union	Jader 5131	49.51
Happy Hollow Farms	Hopkins	Callahan	55.24
Brownie Goodin & Tim Shelman	Hardin	Caverndale Farm 470	48.98
Kevin Clark	Hardin	Asgrow 4415	42.66
Thomas Academy Farm	Hardin	Callahan 3884	40.99
Grant Walters	Butler	Asgrow 4715	47.12
Bobridge Farm--Steve Flaig	Boone	Pioneer 9392	55.86
Chapel Mastin	Harrison	So.States FFR-439	55.71
Dave Watson	Fleming	DeKalb CX 411	57.36
Ronnie Sullivan	Taylor	So.States FFR-439	48.95
Merrell Dolen	Wayne	Hutcheson	44.71
Merrell Dolen	Wayne	Pioneer 9501	39.25
Sexton Brothers	Wayne	Asgrow 4715	42.77,36.92

Cooperating Agri-Business Companies

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Ciba Seed Division

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