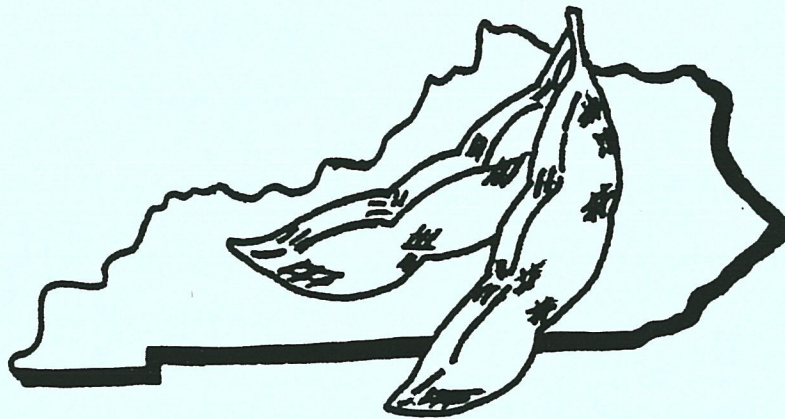


1990

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 15, 1991

1990 Kentucky Soybean Production Contest

Summary of Award Winners

No. of entries completed - 71
 Kentucky counties represented - 20
 Soybean varieties or blends - 31

I. State Winners

<u>Award</u>	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
Champion	Eddie Voils	Russell	Essex	72.83
2nd Place	Sanford Roberts	Shelby	SS-391	72.68
3rd Place	J.C. Ellis, III	Daviess	Asgrow 4009	67.45

II. District Winners

<u>District</u>	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
1	Lyle Martin	Carlisle	Asgrow 5403	55.64
2	Ben Dyer, III	Union	Pixie + S-42-40	65.14
3	Steve Stanley	Hopkins	Asgrow 4595	52.41
4	Clark Farms	Hardin	Asgrow 4595	60.02
5	Wayne Friedly	Scott	SS-391	58.46
6	Wiley Brown	Knox	SS-487	63.89

III. 60 Bushel Club

<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
1. Eddie Voils	Russell	Essex	72.83
2. Sanford Roberts	Shelby	SS-391	72.68
3. J.C. Ellis, III	Daviess	Asgrow 4009	67.45
4. Ben Dyer, III	Union	Pixie + S-42-40	65.14
5. Bobby Clark	Daviess	SS-487	65.08
6. Koller Farms	Daviess	Pioneer 9442	63.98
7. Wiley Brown	Knox	SS-487	63.89
8. Johnny Royster	Union	Coker 425	62.65
9. Orman Burton	Wayne	Essex	62.58
10. Wells Brothers	Union	Asgrow 4595	62.00
11. Tony McCarty	Daviess	Asgrow 4595	61.72
12. Tom Hardesty	Union	FFR-561	61.16
13. Clark Farms	Hardin	Asgrow 4595	60.02

IV. Agriculture Agent with Top 3 Entries

Tom Curtsinger - Daviess County - 65.50 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 13 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	61 (10)b,c
No	9 (3)a
No response	1

What year was your soil last tested?

1986-1987	2 (1)
1988	8 (2)
1989	33 (4)a
1990	12 (3)b
No response or unknown	16 (3)c

Germination of seed planted.

90% or more	17 (3)
85-89%	28 (4)
80-84%	5 (1)
No response	21 (5)a,b,c

What was the pH of the soil?

Less than 5.5	0
5.5 - 6.0	1
6.1 - 6.5	30 (6)
6.6 +	18 (4)a
No response or unknown	22 (3)b,c

Did you inoculate your seed?

Yes	43 (11)a,b,c
No	23 (2)
No response	5

What rate of P₂O₅ and K₂O were applied?

<u>Lbs/A</u>	<u>P₂O₅</u>	<u>K₂O</u>
0	36 (7)a,b	34 (6)a,b
1-40	9 (2)	2 (1)
41-80	18 (2)	21 (2)
81-120	8 (2)c	13 (4)c
120 +	0	1
No response	0	0

What was your planting date?

Late April	0
May 1-10	2
May 11-20	6 (2)
May 21-31	13 (3)a,b
June 1-10	19 (4)c
June 11-20	18 (2)
June 21 +	7
No response	6 (2)

Was nitrogen applied?

Yes	18 (2)c
No	53 (11)a,b
No response or unknown	0

What row width did you plant?

< 6"	0
6-10"	16 (3)c
11-15"	19 (1)
16-20"	8 (4)a
21-29"	1
30"	21 (4)b
31-40"	4
No response	2 (1)

What was your previous crop?

Corn	55 (11)c
Soybeans	9 (1)b
Grain Sorghum	0
Small Grains	6 (1)a
Wheat/Soybeans	0
Forage or Sod	1
Tobacco	0
None (idle)	0
No response	0

What was your planting rate?

< 50 lbs.	18 (3)
50-60 lbs.	37 (6)a,b
61-70 lbs.	4 (1)
71-80 lbs.	5 (2)
81-90 lbs.	4
90 + lbs.	1
No response	2 (1)c

What tillage system was used?

Conventional	13 (3)
Minimum-till	47 (8)b,c
No-tillage	8 (2)a
No response	3

What type of herbicide application did you use?

Preplant-incorp. (PPI)	20 (4)
Preemergence (PRE)	10 (1)
PPI + PRE	1
PPI + Postemergence	20 (5)c
PRE + Postemergence	13 (3)a,b
PPI + PRE + POST	1
Postemergence	6
No Response	0

Did you use some form of cultivation for weed control?

Yes	15 (4)b
No	48 (8)a
No response	8 (1)c

What were the main factors responsible for high yields?

Good weed control	2
High fertility level	6 (3)
Good productive soil	12 (1)
Good variety	12 (1)
Good stand	1 (1)a
Good management	3 (2)
Narrow rows	3 (1)
Good weather	10 (3)a
Early planting	0
Crop rotation	0
Manure	0
No-till	1 (1)a
No response	40 (6)b,c

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

Poor weather	29 (5)
Flooding	3
Disease	1
Late harvest or loss	0
Poor weed control	1
Fertility	2 (1)
Lodging	1
Late planting	6
No response	41 (8)

Six most commonly used varieties.

Asgrow 4595	8 (3)
FFR-561	7 (1)
SS-391	6 (1)
Essex	5 (2)
SS-443	5
Pioneer 9442	5 (1)

What herbicides were used?

Treflan	13 (2)
Treflan + Canopy	2 (1)
Treflan + Scepter	4 (2)
Treflan + Tri-Scept	1
Tri-Scept	11 (3)c
Freedom	1
Freedom + Sencor	1
Commence	1 (1)
Commence + Canopy	2
Prowl	3
Prowl + Canopy	2 (1)
Prowl + Lorox	1
Prowl + Scepter	2
Dual + Scepter	1
Dual + Lorox	1 (1)
Lasso + Canopy	4
Squadron	3
Lorox	1
Scepter	2
Sencor	1
Pursuit	10 (1)b
Assure	3
Blazer	1 (1)a
Classic	2
Fusilade	14 (2)c
Poast	3
Reflex	3 (2)
Tornado	2
Classic + Assure	1 (1)b
Reflex + Fusilade	4 (2)
Storm + Fusilade	1
Basagran + Reflex + Fusilade	1
Bronco	3 (1)a
Bronco + Canopy	1
Roundup + Canopy	1
Gramoxone + Squadron	1

Summary of Other Entries

<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield</u> <u>(Bu/A)</u>
Klint & Steve Kelley	Carlisle	Asgrow 5403	49.89
Pat Thompson	Daviess	Asgrow 4595	58.20
Scott Elliott	Daviess	Fayette	54.61
Dan Thompson	Daviess	Pioneer 9442	53.89
Charles Fulkerson	Daviess	Jacob	53.68
Bobby Glenn	Daviess	Fayette	50.24
Gene Glenn	Daviess	Fayette	49.16
Jerry O'Bryan	Daviess	Pioneer 9501	46.51
Gene & Bobby Glenn	Daviess	Fayette	44.86
Murry & Richard Murphy	Daviess	Pioneer 9442	43.59
Frank Mitchell	Daviess	Callahan 9455	40.90
Hancock Brothers	Union	Asgrow 4595	58.20
Chuck Voss	Union	So. States FFR-561	53.74
James McElroy	Union	Pioneer 9501	53.40
Thomas Brothers	Union	Asgrow 4595	51.67
Sprague Brothers	Union	DeKalb CX458	51.43
McElroy Farms	Union	Pioneer 9442	51.22
Tommy Elder	Union	So. States FFR-561	50.98
Adam O'Nan	Union	Callahan 7510N	50.98
Mark Greenwell	Union	Forrest	50.96
Gerald Day	Union	Pioneer 9531	49.66
Charles O'Nan	Union	Pioneer 9531	47.22
Eddie Espy	Union	So. States SS-487	45.72
Land O'Nan Farms	Union	Funks G-3415	45.66
Sprague Brothers	Union	Funks G-3415	44.52
McElroy Farms	Union	Pioneer 9461	44.05
John Hancock	Union	So. States FFR-561	41.99
Emmit Stanley	Hopkins	Pioneer 9442	50.92
Emmit Stanley	Hopkins	DeKalb CX415	48.25
W.T. & Gilbert Fowler	Hopkins	So. States FFR-561	41.39
Gatton's Feed & Seed	Muhlenberg	DeKalb CX469	50.67
Charles Gatton, Jr.	Muhlenberg	Scott 8047	45.97
Clark Brothers	Hardin	Asgrow 4595	59.33
Steve & Jack Wooden	Hardin	So. States SS-443	52.11
Lennie Welcher	Hardin	So. States SS-443	49.19
Joe & Kevin Mobley	Hardin	N. King S-42-30	47.27
George Hupman	Marion	Ripley	56.66
Greg Settles	Nelson	So. States FFR-561	55.94
Kenney Riley	Nelson	So. States FFR-561	49.75
Jim Gunning	Nelson	So. States SS-443	46.65
George & Edwin Pickerell	Larue	Essex	54.95
Ellis Brothers	Logan	So. States SS-391	51.51
Grant Walters	Butler	Asgrow 5403	49.91
Sanford Roberts	Shelby	So. States SS-391	53.97, 49.17, 48.71
Tuttle Farms	Estill	JJJ 4450	51.79
Tuttle Farms	Estill	So. States SS-443	49.17
John Toombs	Lincoln	Funks G-3388	50.16
Marshall Banta	Henry	So. States SS-443	45.18
McKinley & Sexton Farms	Wayne	Pennyrile	48.59
Williams Brothers	Wayne	Mitchell 450	46.22
Merrell Dolen	Wayne	Essex	42.38
Bill Keeton	Wayne	Essex	24.72
Dave Watson	Fleming	Pioneer 9391	53.24

Cooperating Agri-Business Companies

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DeKalb Plant Genetics	Southern States Coop.
DowElanco	The New Northrup King
DuPont	Uniroyal
FMC	Valent U.S.A. Corp.
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