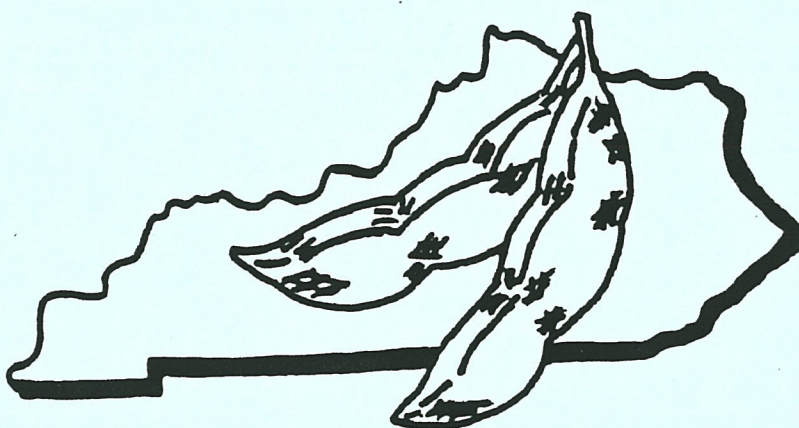


1994

# 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 24, 1995

# 1994 Kentucky Soybean Production Contest

## Summary of Award Winners

No. of entries completed - 63  
 Kentucky counties represented - 13  
 Soybean varieties or blends - 32

### I. State Winners

<u>Award</u>	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
Champion	Schwenke Brothers	Boone	Asgrow 4715	79.73
2nd Place	Bucky Walters & John Kuegel, Sr.	Daviess	Gutwein 7410	77.80
3rd Place	Dave Watson	Fleming	DeKalb CX 404	72.08

### II. District Winners

<u>District</u>	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
1	Davis Brothers Farm	Carlisle	Asgrow 5560	54.00
2	Ed White	Union	Asgrow 4595	71.72
3	Happy Hollow Farms	Hopkins	Pioneer 9273	62.01
4	George Pickerell	Larue	Asgrow 4415	66.71
5	Randy Godman	Harrison	N.King S 46-44	61.61
6	Orman Burton	Wayne	Asgrow 4715	54.55

### III. 60 Bushel Club

	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
1.	Schwenke Brothers	Boone	Asgrow 4715	79.73
2.	Bucky Walters & John Kuegel, Sr.	Daviess	Gutwein 7410	77.80
3.	Dave Watson	Fleming	DeKalb CX 404	72.08
4.	Ed White	Union	Asgrow 4595	71.72
5.	Pasture Belt Farms	Daviess	Asgrow 3935	71.30
6.	Eddie Steward	Union	Asgrow 4715	71.27
7.	Bucky Walters & John Kuegel, Sr.	Daviess	Gutwein 7410	71.11
8.	Pasture Belt Farms	Daviess	DeKalb CX 394C	70.07
9.	S & S Farms	Union	Asgrow 4715	68.92
10.	Larry Parrish	Henderson	N.King S 42-40	68.90
11.	Sprague Brothers	Union	DeKalb CX 434	68.75
12.	Bobby Clark	Daviess	Asgrow 4715	68.16
13.	Pasture Belt Farms	Daviess	Asgrow 3935	67.28
14.	George Pickerell	Larue	Asgrow 4415	66.71
15.	Tony & Keith McPherson	Daviess	Asgrow 4138	66.23

### 60 Bushel Club (Cont'd)

16. Hancock Brothers	Union	Asgrow 3935	66.20
17. Terry Payne	Daviess	DeKalb CX 434	64.47
18. Pat Thompson	Daviess	Asgrow 4715	63.88
19. Zoglmann Farms	Daviess	Asgrow 4715	62.36
20. French Brothers	Union	Asgrow 4715	62.14
21. Happy Hollow Farms	Hopkins	Pioneer 9273	62.01
22. Paul Henshaw	Union	Ciba 3474	61.65
23. Randy Godman	Harrison	N.King S 46-44	61.61
24. Wells Brothers	Union	Asgrow 4715	61.05
25. Jerry White	Union	Asgrow 4715	60.91
26. Bill Gough	Union	So.States FFR-500	60.57
27. Johnny Warren	Daviess	Callahan 3484	60.56
28. Denny Hardesty	Union	Callahan 1490	60.43

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#### IV. Agriculture Agent with Top 3 Entries

Wayne Mattingly - Daviess County - 73.40 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 28 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	44 (24)a,b,c
No	14 (2)
No response	5 (2)

Germination of seed planted.

90% or more	32 (9)b,c
85-89%	14 (11)a
80-84%	5 (3)
No response	12 (5)

Did you inoculate your seed?

Yes	23 (7)a,b
No	30 (17)c
No response	10 (4)

What was your planting date?

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

What row width did you plant?

Solid	2 (2)
6-10"	10 (5)c
11-15"	26 (16)b
16-20"	12 (1)
21-29"	0
30"	12 (4)a
31-40"	1
No response	0

What was your planting rate?

< 50 lbs.	6 (1)
50-60 lbs.	20 (7)a
61-70 lbs.	17 (8)b
71-80 lbs.	11 (6)c
81-90 lbs.	4 (3)
90 + lbs.	2 (1)
No response	3 (2)

What year was your soil last tested?

1990-1991	3 (2)b
1992	12 (5)
1993	25 (13)c
1994	12 (2)a
No response or unknown	11 (6)

What was the pH of the soil?

Less than 5.5	1 (1)b
5.5 - 6.0	4 (2)
6.1 - 6.5	29 (11)c
6.6 +	18 (7)a
No response or unknown	11 (7)

What rate of P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O were applied?

<u>Lbs/A</u>	<u>P<sub>2</sub>O<sub>5</sub></u>	<u>K<sub>2</sub>O</u>
0	31 (11)a	31 (11)a
1-40	8 (3)b	4 (2)b
41-80	15 (8)	13 (5)
81-120	6 (4)c	12 (8)c
120 +	1	1
No response	2 (2)	2 (2)

Was nitrogen applied?

Yes	15 (8)b,c
No	46 (18)a
No response or unknown	2 (2)

What was your previous crop?

Corn	50 (25)a,c
Soybeans	1
Grain Sorghum	0
Small Grains	6
Wheat/Soybeans	0
Forage or Sod	1 (1)b
Corn/Wheat Cover	2 (1)
None (idle)	0
No response	3 (1)

What tillage system was used?

Conventional	13 (8)
Minimum-till	26 (14)a,c
No-tillage	20 (5)b
No response	4 (1)

What type of herbicide application did you use?

Preplant-incorp. (PPI)	18	(12)c
Preemergence (PRE)	12	(1)
PPI + PRE	2	
PPI + Postemergence	16	(9)a
PRE + Postemergence	7	(2)
PPI + PRE + POST	1	
Postemergence	7	(4)b
None	0	
No Response	0	

Did you use some form of cultivation for weed control?

Yes	4	(1)a
No	47	(23)b,c
No response	12	(4)

What were the main factors responsible for high yields?

Good weed control	6	(4)
High fertility level	5	(1)
Good productive soil	6	(5)a
Good variety	1	(1)b
Good stand	2	(1)c
Good management	0	
Narrow rows	2	(2)b
Good weather	14	(8)b,c
Early planting	1	(1)
Crop rotation	0	
Manure	0	
No-till	4	(2)
No response	38	(14)

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

Poor weather (dry)	14	(8)
Other weather	10	(5)a,b
Disease	0	
Late harvest or loss	0	
Poor weed control	0	
Fertility	0	
Lodging	0	
Late planting	0	
Insects	0	
No response	43	(17)c

Four most commonly used varieties.

Asgrow 4715	20	(9)a
Asgrow 3935	4	(3)
Ciba 3474	4	(1)
DeKalb CX 469C	3	

What herbicides were used?

Assure II	1	
Basagran + Reflex	3	(2)
Basagran + Pinnacle + Fusion + Reflex	1	(1)
Blazer + Fusilade	1	
Broadstrike	1	(1)
Bronco + Canopy + 2,4-D	1	(1)
Canopy + Dual	1	
Classic	3	(1)
Classic + Fusilade + Butyrac	1	(1)a
Command + Scepter	1	(1)a
Conclude	1	(1)
Detail	2	(2)
Dual	1	(1)
Dual + Scepter	4	(2)
Freedom	2	(1)
Frontier + Scepter	1	(1)
Fusilade	6	(1)
Fusilade + Reflex	2	(1)
Fusion + Reflex	2	
Gramoxone + Canopy	1	
Gramoxone + Lasso + Lorox	2	
Gramoxone + Lorox	1	
Gramoxone + Prowl + Lorox	1	
Gramoxone + Scepter	1	
Gramoxone + Tornado	1	(1)
Gramoxone + Tornado + 2,4-D	2	(1)
Lasso + Scepter	3	(1)c
Poast Plus	2	(1)
Poast + Storm	2	(2)b
Prowl + Squadron	2	
Pursuit	2	
Pursuit + Butyrac	1	(1)
Pursuit + Select + Reflex + Butyrac	1	(1)
Roundup	2	
Roundup + Dual + Scepter	1	
Roundup + Prowl + Canopy	2	
Roundup + Squadron + 2,4-D	1	
Scepter	3	(1)
Scepter + Treflan	4	(2)
Squadron	6	(3)
Tornado	1	
Treflan	8	(2)
Tri-Scept	5	(3)

### Summary of Other Entries

<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
Brad Reddick	Carlisle	Asgrow 5403	52.05
Steve & Klint Kelley	Carlisle	Asgrow 4715	43.09
Joe & Randahl Stephen	Daviess	Asgrow 4715	59.15
Preston Fulkerson	Daviess	Kansas 4694	59.12
Pasture Belt Farms	Daviess	Ciba 3474	59.03
Flatlick Farms	Daviess	So.States SS-487	56.51
Johnny Warren	Daviess	Callahan 3484	56.14
Alvey Farms	Daviess	DeKalb CX 469C	53.17
John Caraway	McLean	Asgrow 4715	54.74
Phillip Henshaw	Union	Ciba 3474	59.94,59.81
Charles O'Nan	Union	Pioneer 9521	59.27
French Brothers	Union	Asgrow 4715	57.95
Troy Wilson	Union	So.States SS-461	56.51
Happy Hollow Farms	Hopkins	Asgrow 4715	59.04
Happy Hollow Farms	Hopkins	DeKalb CX 291	56.99
Grant Walters	Butler	Asgrow 4715	53.95
David Miller	Hardin	Asgrow 4715	59.01
Hugh Hagan Bland	Hardin	So.Cross Jacob	57.82
Clark Farms	Hardin	Asgrow 4715	49.75
Clark Farms	Hardin	Asgrow 3935	47.74
Schwenke Brothers	Boone	Pioneer 9392	57.60
Steve Flaig	Boone	Pioneer 9391	40.82
Randy Godman	Harrison	Asgrow 4715	58.39
Dave Watson	Fleming	DeKalb CX 415	56.36
Dave Watson	Fleming	DeKalb CX 469C	53.94
Don Burton	Wayne	Pioneer 9501	51.19,49.61
Barton Williams	Wayne	Mitchell 450	48.43
Williams Brothers	Wayne	Asgrow 4715	47.26
Forest Dunagan	Wayne	Asgrow 4715	47.17
Max Kinnett	Wayne	Pioneer 9451	44.56
Ray Adams	Wayne	Hutchison	43.44

## Cooperating Agri-Business Companies

Appreciation is expressed for the financial support provided by the following Agri-Chemical and Seed Companies which made it possible to provide proper recognition of the winners and participants in this contest.

Agratech Seeds	Miles, Inc.
AgriPro Seeds	Miles Seed
American Cyanamid	Monsanto
Asgrow Seed Co.	Mycogen Plant Sciences
BASF	Northrup King
Biotechnica Agriculture, Inc.	Pioneer Hi-Bred Int.
Ciba	Rhone-Poulenc
Ciba Seed Division	Southern States Coop.
DeKalb Plant Genetics	Valent U.S.A. Corp.
DowElanco	Zeneca Ag Products
DuPont	