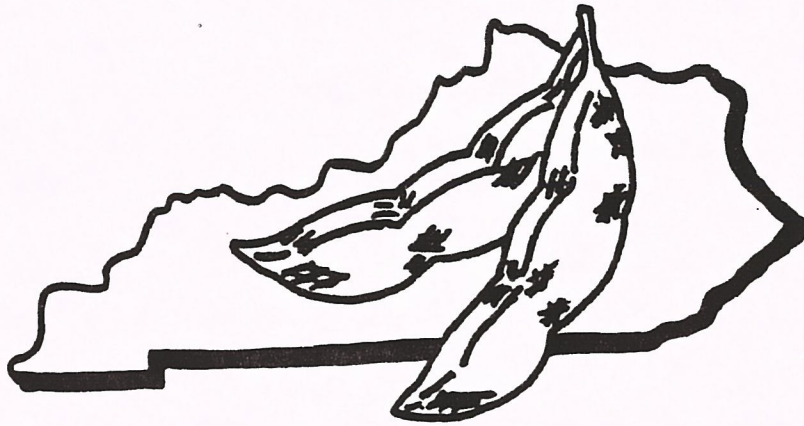


**1996**

**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 28, 1997**

# 1996 Kentucky Soybean Production Contest

## Summary of Award Winners

No. of entries completed - 38  
 Kentucky counties represented - 8  
 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	Dave Watson	Fleming	DeKalb CX 399	67.16
2nd Place	Wells Brothers	Union	Pioneer 9472	65.45
3rd Place	Goetz Brothers	Daviess	Asgrow 4138	64.16

### 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	Jerry White	Union	Asgrow 4595	63.89
3	Greg Crowley	Hopkins	Ciba Seeds 3505	58.24
4	Kent Hagan	Hardin	So. Cross Joshua	53.99
5	"No Entries Eligible for Award"			
6	Douglas & Orman Burton	Wayne	Gutwein 7474	59.57

### III. 60 Bushel Club

	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
1.	Schwenke Brothers*	Boone	Pioneer 9452	71.38
2.	Dave Watson	Fleming	DeKalb CX 399	67.16
3.	Wells Brothers	Union	Pioneer 9472	65.45
4.	Goetz Brothers	Daviess	Asgrow 4138	64.16
5.	Jerry White	Union	Asgrow 4595	63.89
6.	Dave Watson	Fleming	DeKalb CX 434	63.87
7.	Wells Brothers	Union	Pioneer 9482	63.79
8.	Castlen Brothers	Daviess	Pioneer 9481	63.38
9.	Castlen Brothers	Daviess	Pioneer 9481	62.68
10.	White Farms	Union	N. King S42-60	62.57
11.	Charles O'Nan	Union	DeKalb CX 434	61.75
12.	Tony McCarty	Daviess	Callahan 3484	61.26
13.	Sprague Brothers	Union	DeKalb CX 499C	61.16

**60 Bushel Club (Cont'd)**

14.	Harold Ebelhar	Daviess	Ciba Seeds 3411	61.05
15.	Hancock Brothers	Union	Asgrow 4715	60.21

\*Not eligible for an award.

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

Gene Brown - Union County - 64.38 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 15 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	29	(13)a,b
No	6	(2)c
No response	3	

What year was your soil last tested?

1992-1993	1	(1)
1994	8	(5)a,b
1995	11	(4)
1996	3	(2)c
No response or unknown	15	(3)

Germination of seed planted.

90% or more	22	(10)a,b,c
85-89%	1	
80-84%	3	(1)
No response	12	(4)

What was the pH of the soil?

Less than 5.5	0	
5.5 - 6.0	1	
6.1 - 6.5	17	(10)a,b
6.6 +	5	(2)c
No response or unknown	15	(3)

Did you inoculate your seed?

Yes	19	(7)a
No	16	(8)b,c
No response	3	

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	18	(8)b
1-40	8	(2)c
41-80	10	(4)a
81-120	1	(1)
120 +	0	0
No response	1	1

What was your planting date?

Late April	0	
May 1-10	1	
May 11-20	6	(2)
May 21-31	8	(6)c
June 1-10	8	(1)
June 11-20	8	(5)a,b
June 21 +	6	
No response	1	(1)

Was nitrogen applied?

Yes	10	(4)a,c
No	27	(11)b
No response or unknown	1	

What row width did you plant?

Solid	1	(1)
6-10"	12	(6)a,b
11-15"	18	(7)
16-20"	3	
21-29"	1	
30"	1	(1)c
31-40"	0	
No response	2	

What was your previous crop?

Corn	28	(13)a,b,c
Soybeans	1	
Grain Sorghum	0	
Small Grains	7	
Wheat/Soybeans	0	
Forage or Sod	0	
Corn/Wheat Cover	0	
None (idle)	0	
No response	2	(2)

What was your planting rate?

< 50 lbs.	3	(1)
50-60 lbs.	12	(5)
61-70 lbs.	13	(4)c
71-80 lbs.	7	(4)a,b
81-90 lbs.	2	(1)
90 + lbs.	1	
No response	0	

What tillage system was used?

Conventional	3	(2)
Minimum-till	19	(9)a,b,c
No-tillage	16	(4)
No response	0	

What type of herbicide application did you use?

Preplant-incorp. (PPI)	6	(4)
Preemergence (PRE)	5	
PPI + PRE	1	
PPI + Postemergence	8	(4)b,c
PRE + Postemergence	13	(5)a
PPI + PRE + POST	0	
Postemergence	6	(2)
None	0	
No Response	0	

Did you use some form of cultivation for weed control?

Yes	1	(1)
No	33	(14)a,b,c
No response	4	

What were the main factors responsible for high yields?

Good weed control	0	
High fertility level	1	(1)
Good productive soil	4	(3)
Good variety	1	
Good stand	2	(2)b
Good management	0	
Narrow rows	0	
Good weather	7	(4)b,c
Early planting	0	
Crop rotation	0	
No disease	0	
No-till	1	
No response	25	(8)a

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

Poor weather (dry)	2	(1)
Other weather	2	(2)
Disease	1	(1)
Inadequate stand	2	(1)
Poor weed control	1	
Fertility	0	
Lodging	2	(2)c
Late planting	6	(2)a
Chemical injury	2	(2)
No response	24	(6)b

Seven most commonly used varieties.

Ciba Seeds 3505	3	
Ciba Seeds 3474	2	
DeKalb CX 434	2	(2)
Pioneer 9452	2	(1)
Pioneer 9481	2	(2)
Asgrow 4715	2	(1)
Gutwein 7410	2	

What herbicides were used?

Basagran + Conclude Extra	1	(1)
Basagran + Reflex	3	(2)b
Basagran + Storm	1	
Basagran + Storm + Fusilade	1	
Blazer + Fusion	1	
Broadstrike SF/Dual	3	(2)
Canopy	1	(1)
Conclude Extra	1	
Detail	1	
Dual + Sencor	1	
Freedom	2	(2)b
Fusion	3	
Fusion + Reflex	2	
Gramoxone	1	
Gramoxone + Squadron	2	
Gramoxone + Partner + Scepter	1	
Prowl	3	(2)c
Prowl + Treflan	2	
Prestige	1	
Pursuit	1	
Pursuit + Cobra	3	(2)a
Pursuit + Reflex	3	(3)
Reflex	1	(1)
Roundup	4	
Roundup + Canopy	1	
Roundup + Squadron	1	
Roundup + Scepter	2	(2)
Roundup + Scepter + Command	1	
Roundup/Gramoxone + Scepter + Command	1	
Squadron	4	(3)a
Storm	1	(1)
Treflan	4	(1)
Treflan + Squadron	1	(1)
Tornado	1	(1)c



### Summary of Other Entries

<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
Sparks Farms	Daviess	Ciba Seeds 3505	58.80
Sparks Farms	Daviess	Ciba Seeds 3505	55.95
Bucky Walters & John Kuegel	Daviess	Gutwein 7410	58.58
Bucky Walters	Daviess	Gutwein 7410	56.00
Fischer Farms	Daviess	DeKalb CX 394C	58.02
Preston & Eric Fulkerson	Daviess	So. Cross David	57.31
Flatlick Farms	Daviess	Callahan	56.01
Sprague Brothers	Union	Pioneer 9452	56.62
Sprague Brothers	Union	DeKalb CX 313	55.91
White Farms	Union	Ciba Seeds 3474	55.74
Charles O'Nan	Union	Asgrow AG4701	54.55
Charles O'Nan	Union	Asgrow AG4401	40.02
Paul Austin	Hopkins	Ciba Seeds 3474	54.69
Ray Weir	Hopkins	So. States FFR-439	53.26
Jimmy Williams	Caldwell	So. States SS-390/Pion.	50.17
Steve & Jack Wooden	Hardin	Bin Run Seed	53.87
Dave Watson	Fleming	DeKalb CX 411	57.42
Sexton Brothers & Cooley	Wayne	So. States FFR-553	53.49
Williams Brothers	Wayne	Asgrow 4715	47.41
Williams Brothers	Wayne	Mitchell	42.17

## 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

FMC Corp.

AgriPro Seeds

Miles Seed

American Cyanamid

Monsanto

Asgrow Seed Co.

Mycogen Plant Sciences

BASF

Northrup King (Novartis Seeds)

Bayer Corp.

Pioneer Hi-Bred Int.

Caverndale Farms

Rhone-Poulenc

Ciba Crop Protection

Sandoz

Ciba Seeds (Novartis Seeds)

Southern States Coop.

DeKalb Plant Genetics

Valent U.S.A. Corp.

DuPont

Zeneca Ag Products