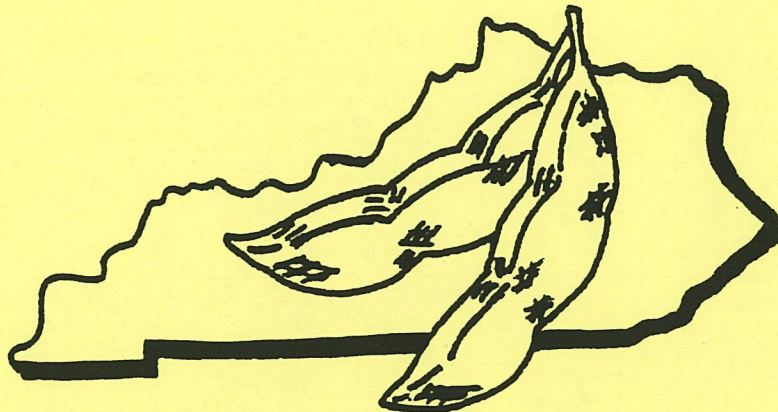


1989

**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 16, 1990**



## 1989 Kentucky Soybean Production Contest

### Summary of Award Winners

No. of entries completed - 90  
 Kentucky counties represented - 24  
 Soybean varieties or blends - 34

#### 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 4906	74.73
2nd Place	Steve Carraway	Calloway	Coker 425	72.74
3rd Place	James McElroy	Union	Pioneer 9531	69.78

#### II. District Winners

<u>District</u>	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>	<u>Entries in District</u>
1	Roger Hobbs	Carlisle	FFR-561	57.52	5
2	Ben Dyer, III	Union	Pixie + S-42-40	68.67	49
3	Charles Gatton, Jr.	Muhlenberg	DeKalb CX458	59.70	7
4	Jack Estes	Warren	DeKalb CX415	58.11	12
5	Douglas Langley	Shelby	SS-391	66.27	5
6	Fall Creek Farms	Wayne	FFR-561	65.55	12

#### III. 60 Bushel Club

	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
1.	Willard Farmer	Marion	Asgrow 4906	74.73
2.	Steve Carraway	Calloway	Coker 425	72.74
3.	James McElroy	Union	Pioneer 9531	69.78
4.	Ben Dyer, III	Union	Pixie + S-42-40	68.67
5.	Pat Thompson	Daviess	Asgrow 4595	68.08
6.	Charles O'Nan	Union	FFR-561	67.80
7.	Caraway Brothers	McLean	Asgrow 4595	67.70
8.	Dan Thompson	Daviess	Asgrow 4595	66.62
9.	Douglas Langley	Shelby	SS-391	66.27
10.	Fall Creek Farms	Wayne	FFR-561	65.55
11.	Wells Brothers	Union	Asgrow 4595	65.24
12.	Sprague Brothers	Union	Asgrow 4595	64.99

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<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
13. David Robinson	Union	Coker 425	64.44
14. Wiley Brown	Knox	Essex	63.93
15. Schwenke Brothers	Boone	Pioneer 9442	63.68
16. Waller Brothers	Union	Coker 425	63.58
17. Sprague Brothers	Union	DeKalb CX415	62.71
18. Tony McCarty	Daviess	Asgrow 4595	62.52
19. Edwin White	Union	Asgrow 4595	61.77
20. James Earl Smith	Taylor	Asgrow 4595	61.74
21. Milligan Farms	Ohio	Stine 3880	61.56
22. Mark Turner	Ohio	Essex	61.53
23. D. A. & Dave Watson	Fleming	Pella	61.46
24. Tom Hardesty	Union	FFR-561	61.34
25. Luttrell Farms	Ohio	Fayette	60.96
26. David Walker	Union	Coker 425	60.31
27. Gough Farms	Union	Callahan 7510N	60.10
28. Johnny Royster	Union	Callahan 7510N	60.03

IV. Agriculture Agent with Top 3 Entries

Gene Brown - Union County - 68.75 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?		What year was your soil last tested?			
Yes	77 (24)a,b,c	1985-1986	4 (2)		
No	13 (4)	1987	23 (4)		
No response	0	1988	37 (16)b		
		1989	16 (4)a,c		
		No response or unknown	10 (2)		
Germination of seed planted.		What was the pH of the soil?			
90% or more	27 (12)a,b,c	Less than 5.5	1		
85-89%	38 (10)	5.5 - 6.0	14 (7)b,c		
80-84%	2	6.1 - 6.5	32 (11)		
No response	23 (6)	6.6 +	26 (5)a		
		No response or unknown	17 (5)		
Did you inoculate your seed?		What rate of P <sub>2</sub> O <sub>5</sub> and K <sub>2</sub> O were applied?			
Yes	48 (14)a,c	<u>Lbs/A</u>	<u>P<sub>2</sub>O<sub>5</sub></u>	<u>K<sub>2</sub>O</u>	
No	38 (14)b	0	38 (10)b,c	36 (10)b,c	
No response	4	1-40	8 (5)	3 (1)	
		41-80	26 (11)a	19 (8)a	
		81-120	11 (2)	24 (8)	
		120 +	3	4 (1)	
		No response	4	4	
What was your planting date?		Was nitrogen applied?			
Late April	4 (3)	Yes	20 (6)		
May 1-10	21 (7)	No	66 (21)a,b,c		
May 11-20	32 (11)a	No response or unknown	4 (1)		
May 21-31	18 (3)b		What was your previous crop?		
June 1-10	9 (4)c	Corn	64 (25)a,b,c		
June 11-20	2	Soybeans	10		
June 21 +	2	Grain Sorghum	0		
No response	2	Small Grains	4		
		Wheat/Soybeans	3 (1)		
		Forage or Sod	6 (2)		
		Tobacco	1		
		None (idle)	0		
		No response	2		
What row width did you plant?		What tillage system was used?			
< 6"	0	Conventional	48 (18)a,c		
6-10"	12 (3)	Minimum-till	32 (8)b		
11-15"	18 (5)c	No-tillage	9 (2)		
16-20"	13 (3)b	No response	1		
21-29"	0				
30"	39 (12)				
31-40"	7 (4)a				
No response	1 (1)				
What was your planting rate?					
< 50 lbs.	34 (14)a,b				
50-60 lbs.	43 (10)c				
61-70 lbs.	3 (1)				
71-80 lbs.	3 (1)				
81-90 lbs.	2 (1)				
90 + lbs.	2				
No response	3 (1)				

What type of herbicide application did you use?

Preplant-incorp. (PPI)	31 (11)c
Preemergence (PRE)	13 (2)
PPI + PRE	3 (1)
PPI + Postemergence	32 (11)a
PRE + Postemergence	8 (2) b
PPI + PRE + POST	0
Postemergence	2
None used	1 (1)

Did you use some form of cultivation for weed control?

Yes	33 (16)a
No	52 (11)b,c
No response	5 (1)

What were the main factors responsible for high yields?

Good weed control	5 (1)
High fertility level	4 (1)b
Good productive soil	10 (4)
Good variety	5 (1)
Good stand	2 (1)
Good management	2
Narrow rows	2 (2)
Good weather	27 (12)c
Early planting	2 (1)
Crop rotation	4 (2)
Manure	1 (1)
Inoculation	1
No response	41 (8)a

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

Poor weather	22 (3)
Plant damage	1
Disease	0
Late harvest or loss	0
Poor weed control	1
Fertility	2 (1)
Lodging	3 (1)
Late planting	3 (1)
No response	60 (22)

Four most commonly used varieties.

Asgrow 4595	14 (8)
FFR-561	11 (3)
Coker 425	7 (4)
Essex	5 (2)

What herbicides were used?

Treflan	16 (7)
Treflan + Canopy	7 (3)
Treflan + Scepter	10 (3)
Tri-Scept	14 (3)c
Treflan + Scepter + Dual	1
Salute	2 (1)
Freedom	6 (3)a
Freedom + Scepter	1 (1)
Freedom + Canopy	2
Command + Canopy	1
Prowl	1
Squadron	6 (1)
Squadron + 2,4-D	1
Dual + Canopy	3 (1)b
Dual + Lexone	1
Dual + Lorox	1
Dual + Scepter	1 (1)
Lasso	1
Lasso + Canopy	1 (1)
Lasso + Scepter	1
Scepter	1
Assure	1
Basagran	3 (2)
Blazer	1
Classic	1
Cobra	1 (1)a
Fusilade	11 (2)
Pursuit	3 (2)
Storm	2
Basagran + Fusilade	1
Basagran + Reflex	1 (1)
Basagran + Storm	1
Blazer + Butyrac	2
Classic + Butyrac	1 (1)b
Classic + Fusilade	3 (1)
Reflex + Fusilade	1 (1)
Reflex + Tornado	1 (1)
Storm + Butyrac	1 (1)
Storm + Fusilade	1
Storm + Poast	1
Basagran + Butyrac + Reflex	1
Basagran + Scepter + Fusilade	1
Classic + Butyrac + Fusilade	1 (1)
Prelude	1 (1)
Bronco	2
Bronco + Canopy	1
Roundup + Dual + Canopy	2
Roundup + Dual + Lexone	1 (1)
Gramoxone + Dual + Lorox	1
Gramoxone + Lasso + Canopy	1



Summary of Other Entries

<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield</u> <u>(Bu/A)</u>
Roger Hobbs	Carlisle	Pioneer Brand 9531	57.51
Klint & Steve Kelley	Carlisle	Asgrow 5403	44.67
Klint & Steve Kelley	Carlisle	Asgrow 5149	43.05
Gerry Hayden	McLean	Asgrow 5474	53.32
Keith Ayer	McLean	Stine 4880	50.91
Castlen Brothers	Daviess	Essex	59.19
Cecil Farms	Daviess	Stine 4880	59.13
J. C. Wilhoite	Daviess	TN 4-86	57.45
Wilhoite Farms	Daviess	TN 4-86	44.49
Flatlick Farms	Daviess	Fayette	56.47
Scott Kuegel	Daviess	Fayette	50.79
Jerry O'Bryan	Daviess	Asgrow 5474	49.82
John Warren	Daviess	Fayette	47.33
Henry & Bernard Hancock	Union	Asgrow 4595	59.73
Bernard Hancock	Union	Asgrow 4595	58.66
Charles O'Nan	Union	Callahan 7510N	58.46, 57.08
James McElroy	Union	Pioneer Brand 9541	58.09, 50.58
James McElroy	Union	Pioneer Brand 9531	45.14
James McElroy	Union	Coker 425	43.35
Scott Henshaw	Union	Coker 425	56.99
Chuck Voss	Union	So. States FFR-561	56.93
Sprague Brothers	Union	DeKalb CX366	56.51
Tommy Elder	Union	So. States FFR-561	56.40
Jerry Day	Union	Pioneer Brand 9531	56.14
Martin Thomas	Union	Coker 425 + DeKalb CX415	55.29
French Brothers	Union	So. States FFR-561	53.73
Rick & Gerald Hunter	Union	Coker 425	52.85
Adam O'Nan	Union	Pixie + Jader 467	49.28
Bill & Jerry Thomas	Union	Asgrow 4595	48.05, 43.72
Charles Gatton, Jr.	Muhlenberg	Asgrow 4595	54.86
Greg Crowley	Hopkins	Pioneer Brand 9442	57.68
Danny Basham	Hopkins	So. States FFR-561	55.01, 49.05
Paul Austin	Hopkins	Asgrow 5403	43.05
Mike Wood	Christian	So. States FFR-544	47.30
Jerry Hudnall	Warren	So. States FFR-561	53.75
John Ballance	Warren	Asgrow 5149	46.89
Joe Neal Ballance	Warren	Asgrow 5149	46.51
Jimmy Follin	Warren	Asgrow 5474	40.42
J. David Miller	Hardin	Pennyrile	57.26
Tommy Smith	Breckinridge	Asgrow 4595	56.67
James Fleming	Butler	Essex	51.77
John Pedigo	Logan	So. States SS-487	50.08
John Pedigo	Logan	So. States FFR-565	47.90
Romea Kummer	Simpson	So. States SS-443	49.43
Lawrence E. Collins	Shelby	So. States SS-487	58.55
Bob Harned	Bullitt	Asgrow 4595	47.50

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<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield</u> <u>(Bu/A)</u>
Bill Harned	Bullitt	Williams 82	47.25
C. J. Muse & Neva Roberts	Wayne	Asgrow 3935	58.78
Fall Creek Farms	Wayne	So. States FFR-561	57.67
Orman Burton	Wayne	Essex	53.75
Williams Brothers	Wayne	Mitchell 450	48.54
Marion Howard	Taylor	So. States SS-487	59.60
D. A. & Dave Watson	Fleming	So. States SS-391	51.26
Everett Montgomery	Montgomery	Pioneer Brand 9391	55.19
Daryl Montgomery	Montgomery	So. States FFR-499	48.60



### 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.

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Mobay

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