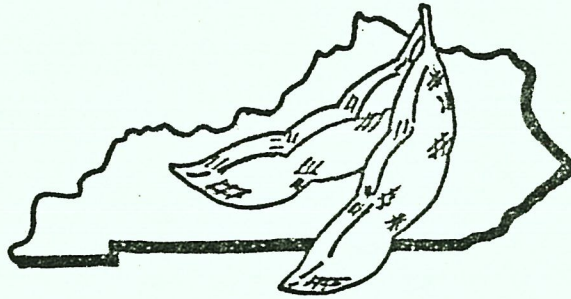


1987

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 26, 1988

1987 Kentucky Soybean Production Contest

Summary of Award Winners

No. of entries completed - 90
 Kentucky counties represented - 25
 Soybean varieties or blends - 30

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 5149	70.02
2nd Place	Eddie Voils	Russell	Essex	69.00
3rd Place	James A. Spinks	Warren	FFR-561	64.72

II. District Winners

<u>District</u>	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>	<u>No. of Entries in District</u>
1	Steven Terry	Carlisle	Asgrow 5474	42.94	2
2	Gilbert Rudd	Union	Asgrow 4595	63.96	57
3	Charles Gatton, Jr.	Muhlenberg	Asgrow 4595	57.65	4
4	Willard Farmer	Marion	Asgrow 5149	70.02	11
5	Bret Kidwell	Trimble	Riverside 3605	58.62	6
6	Eddie Voils	Russell	Essex	69.00	10

III. 60 Bushel Club

	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
1.	Willard Farmer	Marion	Asgrow 5149	70.02
2.	Eddie Voils	Russell	Essex	69.00
3.	James A. Spinks	Warren	FFR-561	64.72
4.	David Miller	Hardin	Bailey 469	64.19
5.	Gilbert Rudd	Union	Asgrow 4595	63.96
6.	David Walker	Union	Asgrow 4595	63.74
7.	Jerry White	Union	Asgrow 4595	63.58
8.	Jerry White	Union	J.W. Special	62.98
9.	Romea Kummer	Simpson	FFR-561	62.02
10.	McKinley & Sexton and Blevins	Wayne	Essex	61.86
11.	Donnie Greenwell	Union	Essex	61.37
12.	Johnny Royster	Union	Coker 425	61.17
13.	Rod Kuegel	Daviess	Fayette	61.08
14.	Orman Burton	Wayne	Essex	60.50
15.	Donnie Greenwell	Union	Essex	60.23

IV. Agriculture Agent with Top 3 Entries

Gene Brown - Union County - 63.76 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.

Did you plant certified seed?		What year was your soil last tested?	
Yes	68 (13)	1982-1984	0
No	21 (2)	1985	12
No response	1	1986	42 (11)
		1987	22 (4)
Germination of seed planted.		No response or unknown	14
90% or more	34 (6)	What was the pH of the soil?	
85-89%	34 (8)	Less than 5.5	0
80-84%	4	5.5 - 6.0	9 (3)
No response	18 (1)	6.1 - 6.5	42 (7)
Did you inoculate your seed?		6.6 +	23 (5)
Yes	47 (9)	No response or unknown	16
No	43 (6)	What rate of P ₂ O ₅ and K ₂ O were applied?	
No response	0		
What was your planting date?		<u>Lbs/A</u>	<u>P₂O₅</u>
Late April	7 (1)	0	36 (6)
May 1-10	31 (7)	1-40	11 (1)
May 11-20	28 (6)	41-80	26 (3)
May 21-31	15 (1)	81-120	9 (2)
June 1-10	7	120 +	5 (3)
June 11-20	1	No response	3
June 21 +	1		3
What row width did you plant?		Was nitrogen applied?	
<6"	0	Yes	28 (4)
6-10"	20 (2)	No	56 (11)
11-15"	14 (4)	No response or unknown	6
16-20"	8 (1)	What was your previous crop?	
21-29"	1	Corn	71 (13)
30"	39 (5)	Soybeans	7 (1)
31-40"	8 (3)	Grain Sorghum	0
No response	0	Small Grains	5
What was your planting rate?		Forage or Sod	3
Less than 50 lbs.	28 (5)	None (idle)	4 (1)
50-60 lbs.	42 (7)	No response	0
61-70 lbs.	8 (2)	What tillage system was used?	
71-80 lbs.	2	Conventional	31 (5)
81-90 lbs.	8 (1)	Minimum-till	46 (8)
90 + lbs.	2	No-tillage	13 (2)
No response	0	No response	0

What type of herbicide application did you use?

Preplant-incorp. (PPI)	21	(3)
Preemergence (PRE)	11	(2)
PPI + PRE	5	
PPI + Postemergence	29	(2)
PRE + Postemergence	17	(6)
PPI + PRE + POST	0	
Postemergence	6	(2)
None	1	

Did you use some form of cultivation for weed control?

Yes	35	(4)
No	47	(8)
No response	8	(3)

What were the main factors responsible for high yields?

Good weed control	10	(2)
High fertility level	7	(1)
Good productive soil	5	(1)
Good variety	1	
Good stand	5	
Good management	6	(2)
Narrow rows	0	
Good weather	10	(2)
Early planting	15	(6)
Crop rotation	3	
Manure	1	(1)
No-till	2	(1)
No response	43	(4)

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

Poor weather	64	(13)
Chemical damage	0	
Late planting	3	
Late harvest or loss	1	
Poor Weed Control	4	
Fertility	1	
Lodging	2	
No response	22	(2)

Five most commonly used varieties.

Asgrow 4595	18	(3)
Essex	13	(5)
Fayette	7	(1)
FFR-561	5	(2)
Coker 425	4	(1)

What herbicides were used?

Treflan	23	
Treflan + Lexone	1	
Treflan + Scepter	10	(1)
Sonalan	3	(1)
Sonalan + Scepter	1	
Command	1	
Command + Squadron	1	
Prowl	2	
Prowl + Scepter	5	(1)
Squadron	4	
Dual	1	
Dual + Lorox	2	(1)
Dual + Canopy	1	
Dual + Scepter	4	(1)
Dual + CIPC + Modown	1	(1)
Lasso	4	(3)
Lasso + Lorox	2	(1)
Lasso + Lexone	1	
Lasso + Sencor	2	(1)
Lasso + Canopy	1	
Surflan	1	(1)
Basagran	1	
Blazer	4	(3)
Classic	3	
Cobra	2	
Reflex	2	(1)
Poast	2	
Fusilade	8	(1)
Basagran + Blazer	11	(3)
Basagran + Cobra	1	
Blazer + Butyrac	1	
Classic + Cobra	1	
Basagran + Blazer + Butyrac	1	
Basagran + Poast	2	(1)
Cobra + Poast	1	(1)
Basagran + Blazer + Poast	4	
Storm + Poast	2	
Basagran + Fusilade	2	
Blazer + Fusilade	1	
Cobra + Fusilade	1	
Reflex + Fusilade	2	
Bronco	2	(1)
Bronco + Canopy	1	
Gramoxone	1	
Gramoxone + Prowl	2	
Gramoxone + Prowl + Scepter	1	
Gramoxone + Squadron + 2,4-D	1	
Gramoxone + Dual + Lorox	1	
Gramoxone + Lasso + Lorox	1	
Gramoxone + Lasso + Canopy	1	
Gramoxone + Lexone	1	

Summary of Other Entries

<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
Steve Kelley	Carlisle	Asgrow 5149	42.29
Keach Farms	Henderson	Coker 393	58.47
Triple E Farms	Henderson	Coker 425	56.11, 55.59
Elliott Farms	Henderson	Asgrow 5474	51.35
Elliott Farms	Henderson	Coker 6463	40.81
Double A Farms	Henderson	Coker 393	48.24
Bobby Ayer	McLean	Fayette	53.28
Bobby & Jonathan Ayer	McLean	Fayette	52.17
Larry Hudson	McLean	Fayette	51.39
Walters Farms	McLean	Fayette	50.97
Robin Rhea	Webster	Asgrow 4595	58.68
Jerry McGill	Webster	Essex	51.23
Louis & Danny Mattingly	Daviess	Union	58.77
Flatlick Farms	Daviess	Lawrence	57.90
Richard Thompson	Daviess	Asgrow 4595	57.43
Richard Kamuf & Sons	Daviess	J. M. Schultz	56.77
James H. Wimsatt	Daviess	Essex	55.91
Pat Thompson	Daviess	Essex	54.40
Tony McCarty	Daviess	Asgrow 4595	53.74
Tony McCarty	Daviess	Lawrence	49.52
Rainbow Farms	Daviess	Essex	50.92
Castlen Brothers	Daviess	Essex	50.70
Burns Farms	Daviess	Asgrow 5474	48.34
Ebelhar Brothers	Daviess	Northrup-King S42-40	47.77, 37.71
Randahl & Joe Stephen	Daviess	Mitchell	44.65
James M. Yeiser	Daviess	Lawrence	35.39
Sprague Brothers	Union	DeKalb-Pfizer CX415	59.71, 58.32
Denny Hardesty	Union	So. States FFR-561	59.69
Ben Dyer, III	Union	Pixie	59.45
Thomas Hardesty	Union	Asgrow 4595	59.35
Hagan Brothers	Union	Asgrow 4595	58.36
Eddie Steward	Union	Asgrow 4595	57.53
Stenger Brothers	Union	Asgrow 4595	56.79
Stenger Brothers	Union	Agripro AP4321	55.04
Ray Wells	Union	Asgrow 4595	56.76
Ray Wells	Union	Coker 6463	49.30
Tommy Rudd	Union	Asgrow 4595	55.29
Bill & Jerry Thomas	Union	Asgrow 4595	54.41
Gough Farms	Union	Princeton Farms 4884	54.11
Gough Farms	Union	Princeton Farms 4686	42.71
Charles O'Nan	Union	Pixie + Douglas	51.21
Charles O'Nan	Union	Asgrow 4595	49.14
Charles O'Nan	Union	Pixie	48.46
Mark Greenwell	Union	Essex	50.70
Scott Henshaw	Union	Asgrow 4595	49.54
Waller Brothers	Union	Coker RA-452	47.77
Bob Beaven	Union	Princeton Farms 4686	45.10
Roger F. Osburn	Hopkins	Lawrence + Douglas	50.63
Yeiser Farms	Hopkins	Fayette	41.15
Scott Jolly	Trigg	Asgrow 5149	48.17

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<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
Jerry Hudnall	Warren	Mitchell 450	59.97
Gary Spinks	Warren	Coker 425	35.41
Fred Dohn	Hardin	So. States SS-443	33.14
Grant Walters	Butler	Fayette	54.89
George & Edwin Pickerell	Larue	Mitchell 450	51.12
Howard Ragland	Larue	J. M. Schultz	47.53, 36.28
John W. Toombs	Lincoln	Asgrow 4595	56.09
Robert & Russel Schwenke	Boone	Mitchell	55.75
Bill Harned	Bullitt	Williams 82	45.32
Smith Brothers	Gallatin	So. States SS-443	44.40
Stephen C. Bailey	Mercer	Union	42.23
Orman Burton	Wayne	Essex	59.14
Murrell Dalen & McCutchen	Wayne	Essex	57.27
Ray Gossage & Gregory	Wayne	So. States FFR-561	54.84
Ray Gossage & Denney	Wayne	So. States FFR-561	51.19
Williams Brothers	Wayne	Mitchell 450	47.29
James E. Smith	Taylor	Asgrow 4595	59.80
Bruce Pierce & Sons	Pulaski	Agripro GT1380	54.70

Cooperating Agri-Business Companies

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AgriPro Seeds	ICI Americas Inc.
American Cyanamid	Jacques Seed Co.
Asgrow Seed Co.	J.M. Schultz Seed Co.
BASF	Mobay
Chevron	Monsanto
Ciba-Geigy	Northrup-King
Coker's Pedigreed Seed	Pioneer Hi-Bred Int.
DeKalb-Pfizer Genetics	Rhone-Poulenc
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Elanco	Union Carbide
FMC	Uniroyal