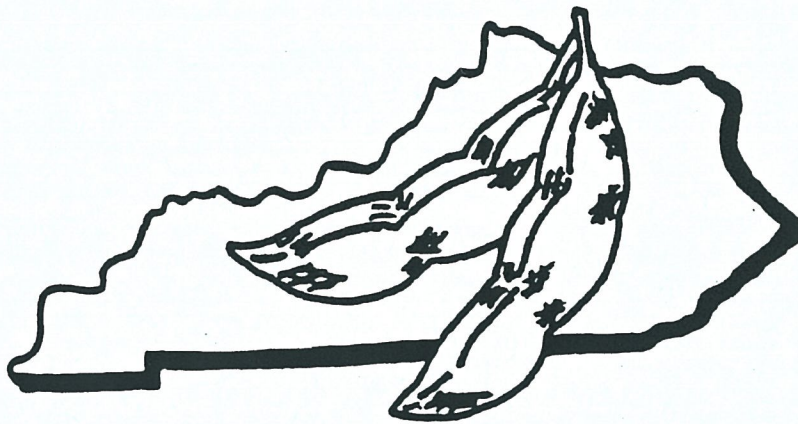


1998

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 19, 1999

1998 Kentucky Soybean Production Contest

Summary of Award Winners

No. of entries completed - 43
 Kentucky counties represented - 13
 Soybean varieties or blends - 25

I. State Winners

<u>Award</u>	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
Champion	Sexton Brothers	Wayne	Pioneer 9492	74.43
2nd Place	Wells Brothers	Union	NK Brand S42-60	73.18
3rd Place	Tony McCarty	Daviess	NK Brand S46-44	68.47

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	P.P.J. Thompson Farms	Daviess	DeKalb CX470C	67.11
3	Ray & Mark Weir	Hopkins	So. States RT-446N	48.92
4	Peterson Farms	Nelson	Asgrow A4341	64.56
5	Schwenke Brothers	Boone	Asgrow AG4701	63.47
6	Vickery Farms	Wayne	Pioneer 9482	54.89

III. 60 Bushel Club

	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
1.	Sexton Brothers	Wayne	Pioneer 9492	74.43
2.	Wells Brothers	Union	NK Brand S42-60	73.18
3.	Tony McCarty	Daviess	NK Brand S46-44	68.47
4.	Wells Brothers	Union	Asgrow A4341	68.01
5.	P.P.J. Thompson Farms	Daviess	DeKalb CX470C	67.11
6.	Peterson Farms	Nelson	Asgrow A4341	64.56
7.	Castlen Brothers	Daviess	Pioneer 94B01	64.27
8.	Schwenke Brothers	Boone	Asgrow AG4701	63.47
9.	Land O'Nan Farms	Union	DeKalb CX450C	62.33
10.	Billy Webb	Warren	Asgrow A4604-ST5	62.16
11.	Mick Ford	Daviess	Callahan 7467RR	60.81
12.	Larry Parrish	Henderson	NK Brand S36-U2	60.81

IV. Agriculture Agent with Top 3 Entries

Rankin Powell - Union County - 67.84 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 12 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	39	(11)a,b,c
No	0	
No response	4	(1)

Germination of seed planted.

90% or more	23	(10)a,b,c
85-89%	8	
80-84%	2	
No response	10	(2)

Did you inoculate your seed?

Yes	25	(3)a
No	13	(7)b,c
No response	5	(2)

What was your planting date?

Late April	0	
May 1-10	0	
May 11-20	25	(11)a,b,c
May 21-31	7	
June 1-10	6	(1)
June 11-20	3	
June 21 +	2	
No response	0	

What row width did you plant?

Solid	0	
6-10"	21	(5)b
11-15"	18	(7)a,c
16-20"	2	
21-29"	1	
30"	0	
31-40"	0	
No response	1	

What was your planting rate?

< 50 lbs.	3	(1)
50-60 lbs.	10	(3)a,c
61-70 lbs.	16	(5)
71-80 lbs.	7	(1)
81-90 lbs.	5	
90 + lbs.	2	(2)b
No response	0	

What year was your soil last tested?

1994-1995	3	(1)c
1996	9	(5)b
1997	14	(1)a
1998	5	(2)
No response or unknown	12	(3)

What was the pH of the soil?

Less than 5.5	0	
5.5 - 6.0	2	
6.1 - 6.5	18	(6)a,b
6.6 +	10	(4)c
No response or unknown	13	(2)

What rate of P₂O₅ and K₂O were applied?

<u>Lbs/A</u>	<u>P₂O₅</u>	<u>K₂O</u>
0	16	14
1-40	5	2
41-80	13	4
81-120	6	20
120 +	1	1
No response	2	2

Was nitrogen applied?

Yes	7	(2)
No	34	(10)a,b,c
No response or unknown	2	

What was your previous crop?

Corn	32	(10)a,b,c
Soybeans	2	
Grain Sorghum	0	
Small Grains	2	(1)
Corn/Wheat Double-crop	1	
Corn/Barley Double-crop	1	
Forage (Hay)	2	
Corn/Wheat Cover crop	1	
No response	2	(1)

What tillage system was used?

Conventional	3	(2)
Minimum-till	22	(5)b
No-tillage	15	(4)a,c
No response	3	(1)

What type of herbicide application did you use?

Preplant-incorp. (PPI)	3	
Preemergence (PRE)	5	(1)
PPI + PRE	0	
PPI + Postemergence	2	(2)b
PRE + Postemergence	17	(4)a,c
PPI + PRE + POST	0	
Postemergence	14	(5)
None	0	
No Response	2	

Did you use some form of cultivation for weed control?

Yes	0	
No	41	(12)a,b,c
No response	2	

What were the main factors responsible for high yields?

Good weed control	4	(2)
High fertility level	3	(2)
Good productive soil	8	(5)c
Good variety	3	(2)b
Good stand	3	(2)b
Good management	0	
Narrow rows	2	(1)
Good weather	0	
Early planting	2	(1)
Crop rotation	0	
Irrigation	0	
Other	0	
No response	30	(4)a

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

Dry weather	11	(6)b
Too wet early	11	(3)c
Late harvest or loss	0	
Disease	0	
Poor weed control	2	(1)
Fertility	1	(1)
Poor Stand	0	
Late planting	1	
Chemical injury	0	
No response	22	(4)a

Five most commonly used varieties.

So. States FFR-439	5	
Pioneer 9492	4	(1)
Pioneer 9482	3	
Asgrow AG4701	3	(1)
DeKalb CX450C	3	(1)

What herbicides were used?

Assure II + Synchrony STS	1	(1)
Blazer + Fusilade	1	
Canopy + Dual II	1	
Command	1	
Conclude	1	(1)
Dual II	2	(2)b
Flexstar	1	
Fusilade	1	
Fusion + Reflex	1	
Gramoxone	1	
Pursuit + Cobra	2	
Raptor	1	
Raptor + Cobra	1	(1)
Raptor + Cobra + Select	3	
Raptor + First Rate + Fusilade	1	
Reflex	1	(1)c
Reflex + First Rate	2	(2)b
Roundup	9	(3)a
Roundup (POE)	15	(5)a
Roundup + Canopy	1	
Roundup + Lasso + Lexone	2	
Roundup + Squadron	2	(1)
Scepter	1	
Squadron	4	
Squadron + Command	2	
Status + Select	1	
Touchdown + Authority + Command	1	(1)c
No response	2	

Summary of Other Entries

<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
Jonathon Ayer	McLean	Great Lakes 2912	56.54
Monty Parrish	Henderson	NK Brand S36-U2	58.85
Jimmy Gilles	Daviess	Callahan 7467RR	59.82
Bucky Walters	Daviess	Gutwein 7410	57.59
Pasture Belt Farms	Daviess	Asgrow A4922	51.74
Pasture Belt Farms	Daviess	Asgrow A3904	45.68
Mike Cecil	Daviess	Hutcheson	50.99
Land O'Nan Farms (Adam)	Union	DeKalb CX450C	58.46
Land O'Nan Farms	Union	NK Brand 3474	50.79
Land O'Nan Farms	Union	Callahan 3484	49.82
Land O'Nan Farms	Union	Callahan 3484	46.78
Hancock Brothers	Union	DeKalb CX450C	58.44
Hancock Brothers	Union	NK Brand 3474	50.29
David Walker	Union	Asgrow AG4701	53.31
Jack Estes	Warren	Pioneer 9492	48.19
David Miller	Hardin	Pioneer 9396	47.93
Larry Thomas	Hardin	NK Brand S39-11	46.86
Kent Hagan	Hardin	So. Cross Micah	45.29
Sexton Brothers	Wayne	Pioneer 9492	54.09
Sexton Brothers	Wayne	Pioneer 9492	54.09
Vickery Farms	Wayne	Pioneer 9482	52.09
Merrell Dolen	Wayne	So. States FFR-439	51.99
Donovan Burton	Wayne	Pioneer 9482	51.70
Burton Farms	Wayne	Asgrow AG4701	42.99
Billy & Roger Morris	Casey	So. States FFR-439	54.81
Mark Litzinger	Mason	So. States FFR-439	52.01
Mark Litzinger	Mason	So. States FFR-439	50.48
Mark Litzinger	Mason	So. States FFR-439	41.80
Dave Watson	Fleming	DeKalb CX400	53.84

Cooperating Agri-Business Companies and Associations

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Caverndale Farms	Novartis Seeds
DeKalb Plant Genetics	Pioneer Hi-Bred Int.
Dow AgroSciences	Rhone-Poulenc
DuPont	Southern States Coop.
FMC Corp.	Valent U.S.A. Corp.
Garst Seeds	Zeneca Ag Products
Gutwein Seeds	