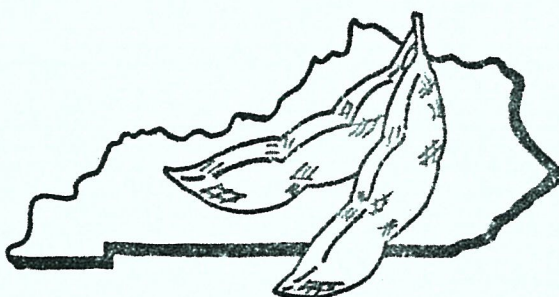


1984

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-CHEMICAL COMPANIES

January 15, 1985

1984 Kentucky Soybean Production Contest

Summary of Award Winners

No. of entries completed - 33
 Kentucky counties represented - 11
 Soybean varieties or blends - 16

I. State Winners

<u>Award</u>	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
Champion	Rod Kuegel	Daviess	Lawrence	65.39
2nd Place	Joe & Randall Stephen	Daviess	Mitchell	64.66
3rd Place	Rob Elliott	Daviess	Fayette	62.45

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	"No Entries Completed"	--	--	--	0
2	Rod Kuegel	Daviess	Lawrence	65.39	15
3	Tim Hendricks	Muhlenberg	J-130	54.77	3
4	Edwin & George Pickerell	Larue	Mitchell	60.06	9
5	Kevin Smith	Franklin	J-130	58.63	2
6	Fall Creek Farm & Cooley	Wayne	Essex	50.07	4

III. 60 Bushel Club

	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
1.	Rod Kuegel	Daviess	Lawrence	65.39
2.	Joe & Randall Stephen	Daviess	Mitchell	64.66
3.	Joe & Randall Stephen	Daviess	Fayette	62.77
4.	Rob Elliott	Daviess	Fayette	62.45
5.	Jerry White	Union	J.W. Special	60.76
6.	Mike Newman	Daviess	Lawrence	60.54
7.	Edwin & George Pickerell	Larue	Mitchell	60.06

IV. Agriculture Agent with Top 3 Entirees

Tom Curtsinger - Daviess County - 64.27 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 7 entries that yielded over 60 bushels per acre.

Contestants

Did you plant certified seed?			What was your plant population at harvest?		
Yes	23	(5)	2-3 plants per ft.	1	
No	10	(2)	4-6 plants per ft.	9	(3)
No response	0		7-9 plants per ft.	15	(2)
Germination of seed planted.			10-12 plants per ft.	6	(2)
90% or more	16	(5)	No response	2	
85-89%	9	(1)	What year was your soil last tested?		
80-84%	1		1979-1980	1	
No response	7	(1)	1981-1982	6	(3)
Did you inoculate your seed?			1983	13	(2)
Yes	26	(7)	1984	9	(2)
No	5		No response or unknown	2	
No response	2		What was the pH of the soil?		
What was your planting date?			Less than 5.5	0	
Late April	0		5.5 - 6.0	2	(1)
May 1-10	1		6.1 - 6.5	13	(4)
May 11-20	8	(2)	6.6 +	10	(2)
May 21-31	9		No response or unknown	8	
June 1-10	12	(5)	Was fertilizer applied this year?		
June 11-20	3		Yes	24	(6)
June 21+	0		No	8	(1)
What row width did you plant?			No response or unknown	1	
6-10"	2		Was nitrogen applied?		
11-15"	3		Yes (less than 30 lbs/ac)	11	(5)
16-20"	1		No	21	(2)
21-27"	0		No response or unknown	1	
28-32"	21	(6)	Was lime applied during last 3 years?		
36-40"	6	(1)	Yes	12	(5)
What was your planting rate?			No	17	(1)
Less than 50 lbs.	13	(1)	No response	4	(1)
50-60 lbs.	15	(5)			
61-70 lbs.	2	(1)			
71-80 lbs.	1				
81-90 lbs.	1				
90+ lbs.	0				
No response	1				

What tillage system was used?

Conventional	16	(3)
Minimum-till	13	(4)
No-tillage	2	
No response	2	

What type of herbicide application did you use?

Preplant-incorp. (PPI)	9	(3)
Preemergence (PRE)	8	
PPI + PRE	2	(1)
PPI + Postemergence	5	(2)
PRE + Postemergence	5	(1)
PPI + PRE + POST	2	
Postemergence	1	
None	1	

Did you use some form of cultivation for weed control?

Yes	21	(6)
No	11	(1)
No response	1	

Did you use an insecticide?

Yes	0	
No	25	(2)
No response	8	(5)

What was your previous crop?

Corn	18	(2)
Soybeans	7	(3)
Fallow	2	
Pasture	1	
Tobacco	2	(2)
Wheat/Soybeans	1	
Wheat/Corn	1	
Barley/Corn	1	

What were the main factors responsible for high yields?

Good weed control	5	(1)
High fertility level	1	(1)
Good productive soil	9	(4)
Good variety	2	
Good stand	2	
Good management	1	
Narrow rows	1	
Good weather	6	(4)
No response	12	

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

Poor weather (too little rain)	11	(1)
Too much rain	1	
Late planting	1	
Poor stand or too thick	3	
Late harvest	3	
Animal damage	1	
Management	1	
No response	12	(6)

What herbicides were used?

Basalin	3	(2)
Basalin + Lorox	1	
Treflan	2	
Treflan + Lexone	3	
Treflan + Sencor	1	
Treflan + Lorox	1	
Treflan + Dyanap	1	(1)
Prowl	3	(2)
Dual	2	
Dual + Lorox	3	
Dual + Modown + CIPC	2	(1)
Lasso	1	(1)
Lasso + Lorox	3	
Lasso + Lexone	1	
Lasso + Sencor	2	
Dyanap + Butyrac	2	(1)
Basagran	2	
Blazer	1	
Poast	1	
Fusilade	2	
Basagran + Blazer	3	(1)
Basagran + Fusilade	1	
Blazer + Butyrac	1	(1)
Bronco + Lorox	1	
None used	1	

Five most commonly used varieties.

Essex	5
Union	3
Mitchell	3
Pioneer 5482	3
DeKalb CX-482	3

Summary of Other Entries

<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
Pat Thompson	Daviess	Essex	56.67
Jim Stout, Jr.	Daviess	Williams	53.21
Hubert Beyke & Sons	Daviess	RA 36	50.39
Jerry White	Union	Essex	59.65
Waller Brothers	Union	Essex	55.61, 45.96
Sprague Brothers	Union	DeKalb CX-482	53.53
Charles O'Nan	Union	Essex	44.37
David Walker	Union	Pioneer 5482	42.56
Charles Gatton, Jr.	Muhlenberg	DeKalb CX-380	46.47
Earl Welborn	Todd	Pella	52.65
Wayne B. Patterson	Larue	J. M. Schultz	43.42
Clifford Perkins	Larue	Union	41.52
Danny Cain	Grayson	Union	52.72
Phil Stuecker	Hardin	DeKalb CX-482	58.15
Phil Stuecker	Hardin	Mitchell	54.41
C. & J. Stuecker	Hardin	DeKalb CX-482	46.62
Jeff Cave	Hardin	J-125	39.49, 36.84
Stephen C. Bailey	Mercer	Pioneer 4280	40.77
Orman Burton	Wayne	Pioneer 5482	40.18
Fall Creek Farm & Cooley	Wayne	Pioneer 5482	37.79
Bill Newell	Mason	Pioneer 4280	40.39

Cooperating Agri-Chemical Companies

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

American Cyanamid	ICI Americas Inc.
BASF	Mobay
Chevron	Monsanto
Ciba-Geigy	Rohm and Haas
Dow	Stauffer
Du Pont	Union Carbide
Elanco	Uniroyal
FMC	