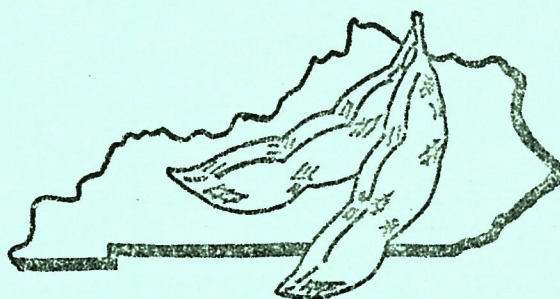


1982

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 25, 1983

1982 Kentucky Soybean Production Contest

Summary of Award Winners

No. of entries completed - 70
 Kentucky counties represented - 18
 Soybean varieties or blends - 18

I. State Winners

<u>Award</u>	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield (Bu/A)</u>
Champion	James H. Rafferty	Daviess	Essex	69.16
2nd Place	Fall Creek Farm & J. C. Cooley	Wayne	Essex	68.94
3rd Place	Mike Ebelhar	Daviess	Essex	64.10

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	Bobby J. Wilson	Hickman	Forrest	53.10	6
2	James H. Rafferty	Daviess	Essex	69.16	28
3	Bobby J. Hendricks	Muhlenberg	J-130	58.47	2
4	Danny Cain	Grayson	GA-8450	60.04	11
5	Howard & Tom Fister	Scott	J-130	54.68	6
6	Fall Creek Farm & J. C. Cooley	Wayne	Essex	68.94	17

III. 60 Bushel Club

	<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Row Width (inches)</u>	<u>Yield (Bu/A)</u>
1.	James H. Rafferty	Daviess	Essex	30	69.16
2.	Fall Creek Farm & J. C. Cooley	Wayne	Essex	30	68.94
3.	Mike Ebelhar	Daviess	Essex	8	64.10
4.	Rob Moorman	Daviess	RA 402	20	63.11
5.	Ken-Maur Farms	Daviess	RA 481	30	62.85
6.	Pat Thompson	Daviess	Mitchell	38	62.65
7.	K & K Farms	Wayne	Essex	38	61.51
8.	Sam Rafferty	Daviess	J-130	30	60.56
9.	John Mark Brown	Union	Essex	30	60.47
10.	Danny Cain	Grayson	GA 8450	10	60.04

IV. Agriculture Agent with Top 3 Entries

Tom Curtsinger - Daviess County - 65.46 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 10 entries that yielded over 60 bushels per acre.

Contestants

Did you plant certified seed?

Yes	56	(9)
No	12	
No response	2	(1)

Germination of seed planted (ranges).

90% or more	30	(4)
85-89%	27	(5)
80-84%	2	
No response	11	(1)

Did you inoculate your seed?

Yes	51	(7)
No	19	(3)
No response	0	

What was your planting date?

Late April	1	
May 1-10	25	(6)
May 11-20	19	(1)
May 21-30	8	(2)
June 1-10	10	
June 10+	6	(1)
No response	1	

What row width did you plant?

7-10"	8	(2)
11-15"	4	
16-20"	8	(1)
21-27"	0	
28-32"	39	(5)
36-40"	11	(2)

What was your planting rate?

Less than 50 lbs.	32	(6)
50-60 lbs.	29	(4)
61-70 lbs.	1	
71-80 lbs.	1	
81-90 lbs.	4	
90+ lbs.	0	
No response	3	

What was your plant population at harvest?

2-3 plants per ft.	1	(1)
4-6 plants per ft.	22	(2)
7-10 plants per ft.	34	(6)
11-12 plants per ft.	3	(1)
No response	10	

What year was your soil last tested?

1977-1978	1	
1979-1980	12	(1)
1981	28	(3)
1982	10	(1)
No response or unknown	19	(5)

What was the pH of the soil?

Less than 5.5	1	
5.5 - 6.0	5	
6.1 - 6.5	14	
6.6 +	13	(4)
No response or unknown	37	(6)

What was P and K level of soil?

Low	2	
Medium	5	(1)
High	21	(3)
No response or unknown	42	(6)

Was fertilizer applied this year?

Yes	32	(4)
No	38	(6)

Was nitrogen applied?

Yes (less than 30 lbs/ac)	9	(4)
No	61	(6)

Was lime applied during last 3 years?

Yes	35	(4)
No	34	(6)
No response	1	

What tillage system was used?

Primary: Plow	35	(5)
Chisel	24	(4)
Secondary	64	(9)
No-Tillage	6	(1)

What type of herbicide application did you use?

Preplant-incorporated	46	(6)
Preemergence	22	(4)
Postemergence	31	(6)

Did you use some form of cultivation for weed control?

Yes	39	(7)
No	30	(3)
No response	1	

Did you use an insecticide?

Yes	3	(0)
No	66	(9)
No response	1	(1)

What was your pervious crop?

Corn	39	(7)
Soybeans	14	(1)
Wheat	8	(1)
Pasture	4	
Tobacco	1	
No response	4	(1)

What were the main factors responsible for high yields?

Good growing season (rain)	33	(7)
Good weed control	13	(1)
High fertility level	16	(1)
Good productive soil	10	(6)
Good variety	9	
Good stand	9	(2)
Narrow rows	3	
Early planting	2	(2)
No response	16	

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

Poor weather (too much or too little rain)	30	(4)
Poor weed control	8	(1)
Late planting	1	
Poor stand or too thick	7	
Late harvest	0	
Disease	7	
Animal or rodent damage	1	
None	5	(2)
No response	15	(4)

What herbicides were used?

Basalin	8	(3)
Tolban + Lexone	1	
Treflan	18	
Treflan + Lexone	6	(1)
Treflan + Sencor	6	
Treflan + Lorox	1	
Treflan + CIPC	1	(1)
Dual	1	
Dual + Lorox	2	(2)
Dual + Lexone	3	
Lasso	4	
Lasso + Lorox	8	
Lasso + Lexone	2	(1)
Lasso + Sencor	2	
Lorox	1	
Dyanap	1	
Basagran	15	(3)
Blazer	5	
Basagran + Blazer	9	(2)
Basagran + Blazer + Butyrac	1	
Basagran + Alanap + Butyrac	1	
Basagran + Dyanap + Butyrac	1	
Poast	1	
Vistar	1	
Roundup (Sel. App. Equip.)	4	(1)
Roundup + Lasso	1	
Roundup + Lasso + Sencor	1	
Paraquat + Dual + Lorox	1	
Paraquat + Lasso + Lorox	2	
Paraquat + Lasso + Lexone	1	(1)
Paraquat - Harvest aid	1	

Five most commonly used varieties.

Essex	27
Mitchell	10
Jacques J-130	6
Ring Around RA 481	4
Union	4

Summary of Other Entries

<u>Name</u>	<u>County</u>	<u>Variety</u>	<u>Yield</u> (Bu/A)
Jim and Albert Moss	Fulton	Bay	44.16
Steve Ward	Hickman	Essex	35.08
Bobby J. Wilson	Hickman	Essex	40.83
Bobby J. Wilson	Hickman	Bay	43.00
J. T. Workman, Jr.	Hickman	Bay	44.44
White Farms	Union	Essex	48.65
Charles O'Nan	Union	Union	51.45
Paul Henshaw & Sons	Union	Mitchell	54.82
Stephen Shouse	Union	RA 480	57.19
Rudd Bros.	Union	Essex	59.43
James Hancock & Sons	Union	Mitchell	59.90
Paul J. Logsdon	McLean	Union	50.36
Bobby Thomas	McLean	J-125	50.44
David Alexander - Double A Farms	Henderson	RA 481	50.58
Keach Brox.	Henderson	Voris 465	59.46
Richard Kamuf	Daviess	Mitchell 450	47.58
Frank Mitchell	Daviess	Mitchell	51.51, 48.51
Hubert Beyke & Sons	Daviess	Essex	48.73
John Beyke & Sons	Daviess	Essex	51.21
Dan Thompson	Daviess	Mitchell	54.41
Raphael Ebelhar	Daviess	Essex	55.05
Charles Hamilton	Daviess	Union	56.33
Jerry O'Bryan	Daviess	Essex	57.86
Green Valley	Daviess	RA 481	58.93
Ken-Maur Farms	Daviess	RA 481	59.50
Dennis Hendricks	Muhlenberg	J-130	48.24
Romea Kummer	Simpson	Essex	53.53
Joe Neal Ballance	Warren	Mitchell 450	49.37
Kenneth Kidd	Warren	Mitchell	53.84
Don Miller	Larue	Mitchell	47.50
George & Edwin Pickerell	Larue	Essex	55.17
A. L. Rosenberger	Hardin	Callahan 1450	47.43
Morris Ray Cave	Hardin	J-130	53.49
Jeff Cave	Hardin	Callahan 1450	53.85
N. C. Stuecker & Sons	Hardin	Mitchell 450	54.45
Sammy Cain	Grayson	Essex	47.69
Clay Berryman	Bourbon	Big "D"-Var. 402	47.80
Stephen Bailey	Mercer	Mitchell	53.06, 52.36
Taylor Cannon	Scott	J-130	45.66
Tommy Ward	Scott	J-125	46.07
Jimmy Pyles	Russell	Essex	59.78
Bill Newell	Mason	N.K. S4044	31.94
Bill Newell	Mason	N.K. S4055	47.49
Steve Humphries	Mason	Williams	40.51
McKinley & Sexton	Wayne	Essex	48.63
Steve Miller	Wayne	Essex	49.84
Orman Burton	Wayne	Union	53.17
Fall Creek Farm & Selvidge	Wayne	Essex	51.74, 48.52
Fall Creek Farm & J. C. Cooley	Wayne	Essex	59.39
Fall Creek Farm	Wayne	Essex	55.36, 54.63
R. E. Corder	Wayne	Essex	59.26, 54.94, 53.87

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	Mobay
BASF	Mobil
Chevron	Monsanto
Ciba-Geigy	Rohm and Haas
Dow	Shell
Du Pont	Stauffer
Elanco	Union Carbide
FMC	Uniroyal