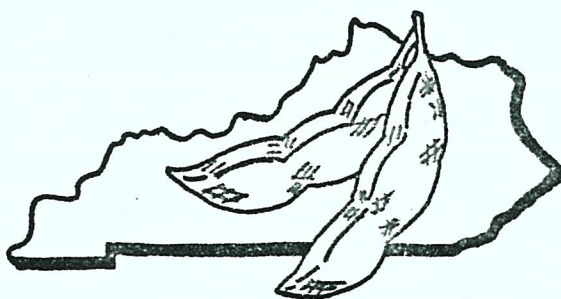


1986

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 28, 1987

# 1986 Kentucky Soybean Production Contest

## Summary of Award Winners

No. of entries completed - 64  
 Kentucky counties represented - 22  
 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     | Gilbert E. Rudd | Union         | Agripro GT1380 | 76.41               |
| 2nd Place    | Ben Dyer, III   | Union         | Pixie          | 74.47               |
| 3rd Place    | Dan Thompson    | Daviess       | Essex          | 73.89               |

### II. District Winners

| <u>District</u> | <u>Name</u>               | <u>County</u> | <u>Variety</u> | <u>Yield (Bu/A)</u> | <u>No. of Entries District</u> |
|-----------------|---------------------------|---------------|----------------|---------------------|--------------------------------|
| 1               | Roger C. Hobbs            | Carlisle      | FFR-561        | 64.64               | 3                              |
| 2               | Gilbert E. Rudd           | Union         | Agripro GT1380 | 76.41               | 37                             |
| 3               | Paul Austin               | Hopkins       | Jacques J-130  | 61.05               | 5                              |
| 4               | Fred Dohn                 | Hardin        | SS-443         | 56.08               | 7                              |
| 5               | Robert & Russell Schwenke | Boone         | Mitchell       | 72.58               | 6                              |
| 6               | Williams Brothers         | Wayne         | Mitchell 450   | 60.22               | 6                              |

### III. 60 Bushel Club

|     | <u>Name</u>               | <u>County</u> | <u>Variety</u> | <u>Yield (Bu/A)</u> |
|-----|---------------------------|---------------|----------------|---------------------|
| 1.  | Gilbert E. Rudd           | Union         | Agripro GT1380 | 76.41               |
| 2.  | Gilbert E. Rudd           | Union         | Asgrow 4595    | 75.29               |
| 3.  | Ben Dyer, III             | Union         | Pixie          | 74.47               |
| 4.  | Dan Thompson              | Daviess       | Essex          | 73.89               |
| 5.  | Eddie Steward             | Union         | Coker 393      | 73.09               |
| 6.  | Robert & Russell Schwenke | Boone         | Mitchell       | 72.58               |
| 7.  | Bill Thomas               | Union         | Asgrow 4595    | 72.36               |
| 8.  | Johnny Royster            | Union         | Coker 425      | 71.14               |
| 9.  | Pat Thompson              | Daviess       | FFR-561        | 69.33               |
| 10. | Raphael Ebelhar           | Daviess       | Essex          | 68.26               |
| 11. | John Mark Brown           | Union         | Essex          | 67.93               |
| 12. | Henshaw Brothers          | Union         | JMS 4982       | 67.83               |
| 13. | Tony McCarty              | Daviess       | Lawrence       | 67.35               |
| 14. | Henshaw Brothers          | Union         | JMS 4982       | 67.08               |

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| <u>Name</u>                     | <u>County</u> | <u>Variety</u> | <u>Yield<br/>(Bu/A)</u> |
|---------------------------------|---------------|----------------|-------------------------|
| 15. Richard Thompson            | Daviess       | FFR-561        | 66.31                   |
| 16. Roger C. Hobbs              | Carlisle      | FFR-561        | 64.64                   |
| 17. Strode Farms                | Daviess       | Williams 82    | 64.35                   |
| 18. Thomas & Denny Hardesty     | Union         | FFR-561        | 63.53                   |
| 19. Mike Ebelhar                | Daviess       | Essex          | 63.06                   |
| 20. Bobby Ayer                  | McLean        | Fayette        | 62.94                   |
| 21. Mike Newman                 | Daviess       | Union          | 62.05                   |
| 22. Lafe Smith, Jr. & Joe Smith | Gallatin      | Callahan 2380  | 61.62                   |
| 23. Paul Austin                 | Hopkins       | Jacques J-130  | 61.05                   |
| 24. Carl Cabbage                | Muhlenberg    | Dekalb CX-482  | 60.93                   |
| 25. David Cecil                 | Daviess       | Asgrow 5149    | 60.63                   |
| 26. Williams Brothers           | Wayne         | Mitchell 450   | 60.22                   |
| 27. Scott Jolly                 | Trigg         | Asgrow 4595    | 60.20                   |
| 28. Bill Thomas                 | Union         | Essex          | 60.09                   |

IV. Agriculture Agent with Top 3 Entries

Gene Brown - Union County - 74.66 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.

|                               |    |      |  |    |      |
|-------------------------------|----|------|--|----|------|
| Did you plant certified seed? |    |      | What was your plant population at harvest? |    |      |
| Yes                           | 49 | (22) |  |    |      |
| No                            | 14 | (5)  | 2-3 plants per ft.                         | 2  | (1)  |
| No response                   | 1  | (1)  | 4-6 plants per ft.                         | 19 | (7)  |
| Germination of seed planted.  |    |      | 7-9 plants per ft.                         | 27 | (16) |
| 90% or more                   | 37 | (16) | 10-12 plants per ft.                       | 1  |      |
| 85-89%                        | 12 | (6)  | No response                                | 15 | (4)  |
| 80-84%                        | 2  | (1)  | What year was your soil last tested?       |    |      |
| No response                   | 13 | (5)  | 1980-1983                                  | 5  | (2)  |
| Did you inoculate your seed?  |    |      | 1984                                       | 5  |      |
| Yes                           | 29 | (9)  | 1985                                       | 27 | (13) |
| No                            | 32 | (16) | 1986                                       | 7  | (3)  |
| No response                   | 3  | (3)  | No response or unknown                     | 20 | (10) |
| What was your planting date?  |    |      | What was the pH of the soil?               |    |      |
| Late April                    | 5  | (4)  | Less than 5.5                              | 0  |      |
| May 1-10                      | 25 | (11) | 5.5 - 6.0                                  | 3  | (2)  |
| May 11-20                     | 16 | (8)  | 6.1 - 6.5                                  | 21 | (7)  |
| May 21-31                     | 2  |      | 6.6 +                                      | 15 | (7)  |
| June 1-10                     | 6  | (3)  | No response or unknown                     | 25 | (12) |
| June 11-20                    | 9  | (2)  | Was fertilizer applied this year?          |    |      |
| June 21+                      | 1  |      | Yes  | 41 | (16) |
| What row width did you plant? |    |      | No   | 20 | (10) |
| < 6"                          | 0  |      | No response or unknown                     | 3  | (2)  |
| 6-10"                         | 10 | (6)  | Was nitrogen applied?                      |    |      |
| 11-15"                        | 6  | (2)  | Yes  | 27 | (10) |
| 16-20"                        | 11 | (2)  | No   | 34 | (16) |
| 21-29"                        | 0  |      | No response or unknown                     | 3  | (2)  |
| 30"                           | 28 | (14) | Was lime applied during last 3 years?      |    |      |
| 31-40"                        | 9  | (4)  | Yes  | 18 | (6)  |
| No response                   | 0  |      | No   | 18 | (9)  |
| What was your planting rate?  |    |      | No response                                | 28 | (13) |
| Less than 50 lbs.             | 24 | (12) |  |    |      |
| 50-60 lbs.                    | 26 | (9)  |  |    |      |
| 61-70 lbs.                    | 5  | (4)  |  |    |      |
| 71-80 lbs.                    | 3  | (1)  |  |    |      |
| 81-90 lbs.                    | 4  | (1)  |  |    |      |
| 90+ lbs.                      | 1  |      |  |    |      |
| No response                   | 1  | (1)  |  |    |      |

What tillage system was used?

|              |    |      |
|--------------|----|------|
| Conventional | 29 | (11) |
| Minimum-till | 27 | (16) |
| No-tillage   | 8  | (1)  |
| No response  | 0  |      |

What type of herbicide application did you use?

|                        |    |      |
|------------------------|----|------|
| Preplant-incorp. (PPI) | 23 | (11) |
| Preemergence (PRE)     | 11 | (2)  |
| PPI + PRE              | 0  |      |
| PPI + Postemergence    | 7  | (3)  |
| PRE + Postemergence    | 19 | (9)  |
| PPI + PRE + POST       | 2  | (2)  |
| Postemergence          | 1  | (1)  |
| None                   | 1  |      |

Did you use some form of cultivation for weed control?

|             |    |      |
|-------------|----|------|
| Yes         | 30 | (17) |
| No          | 32 | (10) |
| No response | 2  | (1)  |

Did you use an insecticide?

|             |    |      |
|-------------|----|------|
| Yes         | 0  |      |
| No          | 40 | (17) |
| No response | 24 | (11) |

What was your previous crop?

|                |    |      |
|----------------|----|------|
| Corn           | 50 | (23) |
| Soybeans       | 9  | (4)  |
| Grain Sorghum  | 1  |      |
| Barley         | 1  |      |
| Soybeans/Wheat | 1  | (1)  |
| Corn/Wheat     | 1  |      |
| No response    | 1  |      |

What were the main factors responsible for high yields?

|                      |    |      |
|----------------------|----|------|
| Good weed control    | 6  | (2)  |
| High fertility level | 4  | (2)  |
| Good productive soil | 7  | (4)  |
| Good variety         | 5  | (3)  |
| Good stand           | 3  |      |
| Good management      | 5  | (2)  |
| Narrow rows          | 2  | (1)  |
| Good weather         | 19 | (14) |
| Early planting       | 6  | (2)  |
| Crop rotation        | 2  | (1)  |
| Manure               | 3  | (3)  |
| No response          | 24 | (6)  |

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

|                      |    |      |
|----------------------|----|------|
| Poor weather         | 16 | (5)  |
| Chemical damage      | 2  | (2)  |
| Late planting        | 1  |      |
| Late harvest or loss | 1  | (1)  |
| No response          | 44 | (20) |

What herbicides were used?

|                               |    |      |
|-------------------------------|----|------|
| Treflan                       | 15 | (10) |
| Treflan + Lexone              | 2  |      |
| Treflan + Sencor              | 2  |      |
| Treflan + Scepter             | 7  | (5)  |
| Treflan + Canopy              | 1  | (1)  |
| Treflan + Lasso               | 1  |      |
| Prowl                         | 3  |      |
| Prowl + Scepter               | 5  | (5)  |
| Basalin                       | 1  | (1)  |
| Dual                          | 1  |      |
| Dual + Lexone                 | 1  |      |
| Lasso                         | 4  | (3)  |
| Lasso + Lorox                 | 1  |      |
| Lasso + Lexone                | 2  |      |
| Lasso + Canopy                | 1  |      |
| Lasso + Sencor                | 1  |      |
| Lasso + Scepter               | 1  |      |
| Scepter                       | 1  |      |
| Command                       | 3  | (2)  |
| Command + Canopy              | 1  |      |
| Command + Gemini              | 1  |      |
| Dyanap                        | 2  | (2)  |
| Basagran                      | 1  |      |
| Blazer                        | 5  | (2)  |
| Classic                       | 1  |      |
| Poast                         | 1  | (1)  |
| Fusilade                      | 14 | (6)  |
| Roundup (wiped)               | 1  | (1)  |
| Basagran + Blazer             | 1  | (1)  |
| Basagran + Fusilade           | 1  |      |
| Blazer + Butyrac              | 2  | (2)  |
| Basagran + Butyrac + Fusilade | 1  |      |
| Blazer + Butyrac + Fusilade   | 2  | (2)  |
| Bronco                        | 1  |      |
| Bronco + Lexone               | 1  |      |
| Bronco + Command              | 1  |      |
| Bronco + Prowl + Lorox        | 1  |      |
| Paraquat + Lasso + Lorox      | 1  |      |
| Paraquat + Dual + Lorox       | 1  |      |
| Paraquat + Lasso + Lexone     | 2  | (1)  |

Four most commonly used varieties.

|             |   |
|-------------|---|
| Essex       | 9 |
| FFR-561     | 9 |
| Asgrow 4595 | 4 |
| Asgrow 5149 | 4 |

Summary of Other Entries

| <u>Name</u>                 | <u>County</u> | <u>Variety</u> | <u>Yield<br/>(Bu/A)</u> |
|-----------------------------|---------------|----------------|-------------------------|
| Steven Terry                | Carlisle      | FFR-561        | 50.29                   |
| Tom Curtsinger              | Graves        | FFR-561        | 42.54                   |
| Mike Moss                   | Daviess       | Asgrow 3966    | 59.42                   |
| James Hagan                 | Daviess       | Essex          | 58.57                   |
| James Gilles, Jr.           | Daviess       | RA 481         | 57.73, 46.99            |
| James Gilles, Jr.           | Daviess       | Asgrow 5149    | 52.09                   |
| Herman Moss                 | Daviess       | Fayette        | 56.30                   |
| James Gilles, Sr.           | Daviess       | Asgrow 5149    | 53.87                   |
| Hugh Cheany                 | Henderson     | Coker 393      | 55.93                   |
| Ashley Mitchell             | Webster       | Dekalb CX-481  | 54.10                   |
| Denny Hardesty              | Union         | RA 452         | 59.13                   |
| David Thomas                | Union         | FFR-561        | 58.52                   |
| Charles O'Nan               | Union         | Asgrow 4595    | 56.96                   |
| Charles O'Nan               | Union         | Asgrow 5149    | 56.38                   |
| Charles O'Nan               | Union         | FFR-561        | 49.95                   |
| Gerald Day                  | Union         | Coker 404      | 53.53                   |
| Waller Brothers             | Union         | RA 452         | 49.39                   |
| Charlie Gatton, Jr.         | Muhlenberg    | JMS 4982       | 56.51                   |
| Earl Welborn                | Todd          | Pella          | 42.85                   |
| A. L. Rosenberger           | Hardin        | Pioneer 9441   | 48.18                   |
| Jack & Steve Wooden         | Hardin        | Union          | 45.64                   |
| David Miller                | Hardin        | Douglas        | 36.59                   |
| Charles Collins             | Logan         | FFR-561        | 50.39                   |
| Homer Lee Richardson        | Meade         | Agripro 350    | 41.31                   |
| Clifford Perkins            | Larue         | Jacques J-130  | 30.29                   |
| Thomas H. Wright, Jr.       | Shelby        | SS-391         | 57.90                   |
| Richard Tipton              | Shelby        | SS-443         | 50.97                   |
| Ronnie Poole & Harold Burge | Shelby        | SS-391         | 45.81                   |
| Fister Brothers             | Scott         | Jacques J-471  | 45.40                   |
| Orman Burton                | Wayne         | Essex          | 50.84                   |
| Max Kinnett                 | Wayne         | Essex          | 49.09                   |
| Fall Creek Farms & Selvidge | Wayne         | Essex          | 42.48                   |
| Bruce Pierce & Sons         | Pulaski       | Agripro 350    | 53.31                   |
| Marion C. Howard            | Taylor        | Asgrow 3966    | 49.17                   |

### 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.

|                   |                        |
|-------------------|------------------------|
| American Cyanamid | Jacques Seed Co.       |
| Asgrow Seed Co.   | J. M. Schultz Seed Co. |
| BASF              | Mobay                  |
| Chevron           | Monsanto               |
| Ciba-Geigy        | Pioneer Hi-Bred Int.   |
| Dow               | Rohm and Haas          |
| Du Pont           | Southern States Coop.  |
| Elanco            | Stauffer               |
| FMC               | Union Carbide          |
| ICI Americas Inc. | Uniroyal               |