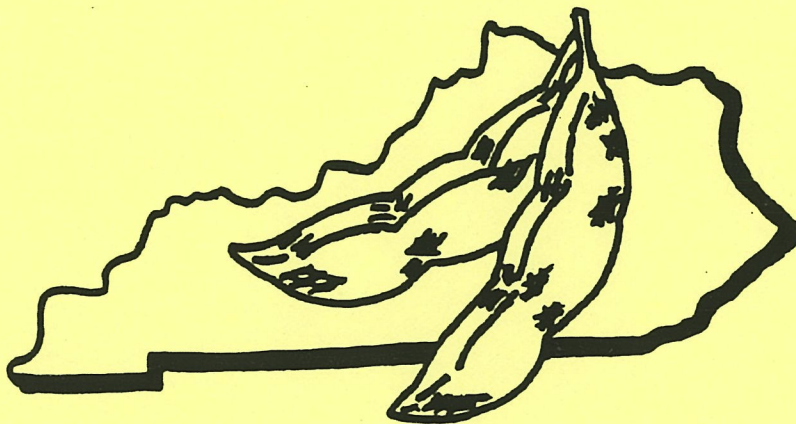


**1993**

**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 17, 1994**

# 1993 Kentucky Soybean Production Contest

## Summary of Award Winners

No. of entries completed - 66  
Kentucky counties represented - 17  
Soybean varieties or blends - 26

### I. State Winners

| <u>Award</u> | <u>Name</u>   | <u>County</u> | <u>Variety</u> | <u>Yield (Bu/A)</u> |
|--------------|---------------|---------------|----------------|---------------------|
| Champion     | Randy Godman  | Harrison      | Asgrow 4715    | 82.54               |
| 2nd Place    | Larry Parrish | Henderson     | N.King NK 4240 | 74.50               |
| 3rd Place    | Ed White      | Union         | Asgrow 4595    | 66.30               |

---

### II. District Winners

| <u>District</u> | <u>Name</u>               | <u>County</u> | <u>Variety</u>    | <u>Yield (Bu/A)</u> |
|-----------------|---------------------------|---------------|-------------------|---------------------|
| 1               | Dan Bowles                | Carlisle      | So.States FFR-500 | 52.54               |
| 2               | Raphael Ebelhar & Sons    | Daviess       | Ciba 3411         | 64.32               |
| 3               | Paul Austin               | Hopkins       | Asgrow 4715       | 54.49               |
| 4               | George Pickerell          | Larue         | Asgrow 4595       | 56.86               |
| 5               | Schwenke Brothers         | Boone         | Pioneer 9461      | 59.40               |
| 6               | Clint Voils & Chris Adams | Russell       | Asgrow 4715       | 61.11               |

---

### III. 60 Bushel Club

|     | <u>Name</u>               | <u>County</u> | <u>Variety</u> | <u>Yield (Bu/A)</u> |
|-----|---------------------------|---------------|----------------|---------------------|
| 1.  | Randy Godman              | Harrison      | Asgrow 4715    | 82.54               |
| 2.  | Larry Parrish             | Henderson     | N.King NK 4240 | 74.50               |
| 3.  | Ed White                  | Union         | Asgrow 4595    | 66.30               |
| 4.  | Raphael Ebelhar & Sons    | Daviess       | Ciba 3411      | 64.32               |
| 5.  | Tony McCarty              | Daviess       | N.King NK 4240 | 64.26               |
| 6.  | Joe Wells                 | Union         | Asgrow 4715    | 62.27               |
| 7.  | Wells Brothers            | Union         | Asgrow 4715    | 61.59               |
| 8.  | Waller Brothers           | Union         | Asgrow 4715    | 61.18               |
| 9.  | Clint Voils & Chris Adams | Russell       | Asgrow 4715    | 61.11               |
| 10. | Wells Brothers            | Union         | N.King NK 4240 | 60.86               |

---

### IV. Agriculture Agent with Top 3 Entries

Gene Brown - Union County - 63.39 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 and a,b,c represent practices of the State Champion, 2nd place, and 3rd place, respectively.

Did you plant certified seed?

|             |              |
|-------------|--------------|
| Yes         | 55 (10)a,b,c |
| No          | 10           |
| No response | 1            |

What year was your soil last tested?

|                        |         |
|------------------------|---------|
| 1989-1990              | 4 (1)c  |
| 1991                   | 6 (2)   |
| 1992                   | 38 (6)b |
| 1993                   | 12 (1)a |
| No response or unknown | 6       |

Germination of seed planted.

|             |           |
|-------------|-----------|
| 90% or more | 40 (5)a,b |
| 85-89%      | 10 (4)c   |
| 80-84%      | 0         |
| No response | 16 (1)    |

What was the pH of the soil?

|                        |           |
|------------------------|-----------|
| Less than 5.5          | 0         |
| 5.5 - 6.0              | 12 (5)b,c |
| 6.1 - 6.5              | 26 (4)    |
| 6.6 +                  | 21 (1)a   |
| No response or unknown | 7         |

Did you inoculate your seed?

|             |           |
|-------------|-----------|
| Yes         | 27 (1)a   |
| No          | 33 (9)b,c |
| No response | 6         |

What rate of P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O were applied?

| <u>Lbs/A</u> | <u>P<sub>2</sub>O<sub>5</sub></u> | <u>K<sub>2</sub>O</u> |
|--------------|-----------------------------------|-----------------------|
| 0            | 41 (5)a,b                         | 38 (5)a,b             |
| 1-40         | 5 (1)                             | 4 (1)                 |
| 41-80        | 12 (3)                            | 11                    |
| 81-120       | 4                                 | 10 (4)c               |
| 120 +        | 1 (1)c                            | 0                     |
| No response  | 3                                 | 3                     |

What was your planting date?

|             |           |
|-------------|-----------|
| Late April  | 0         |
| May 1-10    | 3 (1)     |
| May 11-20   | 15 (5)c   |
| May 21-31   | 34 (4)a,b |
| June 1-10   | 5         |
| June 11-20  | 3         |
| June 21 +   | 1         |
| No response | 5         |

Was nitrogen applied?

|                        |           |
|------------------------|-----------|
| Yes                    | 13 (4)b,c |
| No                     | 50 (6)a   |
| No response or unknown | 3         |

What row width did you plant?

|             |           |
|-------------|-----------|
| Solid       | 1 (1)c    |
| 6-10"       | 15 (4)a,b |
| 11-15"      | 24 (3)    |
| 16-20"      | 9         |
| 21-29"      | 0         |
| 30"         | 12 (2)    |
| 31-40"      | 3         |
| No response | 2         |

What was your previous crop?

|                  |           |
|------------------|-----------|
| Corn             | 57 (9)b,c |
| Soybeans         | 3 (1)a    |
| Grain Sorghum    | 0         |
| Small Grains     | 3         |
| Wheat/Soybeans   | 0         |
| Forage or Sod    | 1         |
| Corn/Wheat Cover | 1         |
| None (idle)      | 0         |
| No response      | 1         |

What was your planting rate?

|             |           |
|-------------|-----------|
| < 50 lbs.   | 6 (1)     |
| 50-60 lbs.  | 27 (3)c   |
| 61-70 lbs.  | 12 (2)    |
| 71-80 lbs.  | 17 (3)a,b |
| 81-90 lbs.  | 1 (1)     |
| 90 + lbs.   | 0         |
| No response | 3         |

What tillage system was used?

|              |         |
|--------------|---------|
| Conventional | 13 (2)c |
| Minimum-till | 38 (5)b |
| No-tillage   | 13 (3)a |
| No response  | 2       |

What type of herbicide application did you use?

|                        |    |      |
|------------------------|----|------|
| Preplant-incorp. (PPI) | 8  | (2)c |
| Preemergence (PRE)     | 3  | (1)a |
| PPI + PRE              | 3  |      |
| PPI + Postemergence    | 26 | (5)b |
| PRE + Postemergence    | 15 | (2)  |
| PPI + PRE + POST       | 2  |      |
| Postemergence          | 7  |      |
| None                   | 0  |      |
| No Response            | 2  |      |

Did you use some form of cultivation for weed control?

|             |    |          |
|-------------|----|----------|
| Yes         | 9  |          |
| No          | 50 | (9)a,b,c |
| No response | 7  | (1)      |

What were the main factors responsible for high yields?

|                      |    |        |
|----------------------|----|--------|
| Good weed control    | 5  | (2)b   |
| High fertility level | 6  | (3)a,b |
| Good productive soil | 6  | (1)b   |
| Good variety         | 5  | (1)a   |
| Good stand           | 0  |        |
| Good management      | 0  |        |
| Narrow rows          | 2  | (2)b,c |
| Good weather         | 4  |        |
| Early planting       | 0  |        |
| Crop rotation        | 0  |        |
| Manure               | 0  |        |
| No-till              | 0  |        |
| No response          | 47 | (6)    |

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

|                      |    |     |
|----------------------|----|-----|
| Poor weather (dry)   | 8  |     |
| Other weather        | 31 | (6) |
| Disease              | 0  |     |
| Late harvest or loss | 0  |     |
| Poor weed control    | 1  |     |
| Fertility            | 0  |     |
| Lodging              | 2  |     |
| Late planting        | 2  |     |
| Insects              | 3  |     |
| No response          | 25 | (4) |

Four most commonly used varieties.

|                    |    |      |
|--------------------|----|------|
| Asgrow 4715        | 20 | (5)a |
| N. King NK 4240    | 4  | (3)b |
| Pioneer 9442       | 4  |      |
| So. States FFR-500 | 4  |      |

What herbicides were used?

|                                    |    |      |
|------------------------------------|----|------|
| Assure                             | 1  |      |
| Basagran + Reflex                  | 1  | (1)  |
| Blazer                             | 1  |      |
| Blazer + Fusilade                  | 1  | (1)  |
| Bronco                             | 1  | (1)  |
| Classic + Butyrac                  | 1  |      |
| Classic + Fusilade                 | 1  |      |
| Cobra + Pursuit                    | 4  |      |
| Dual                               | 3  | (1)b |
| Dual + Canopy                      | 1  |      |
| Dual + Scepter                     | 1  | (1)c |
| Freedom                            | 3  | (3)  |
| Fusilade                           | 7  |      |
| Fusilade + Galaxy                  | 2  |      |
| Fusilade + Reflex                  | 1  |      |
| Fusion                             | 3  |      |
| Fusion + Reflex                    | 1  |      |
| Galaxy                             | 1  | (1)  |
| Gramoxone                          | 1  |      |
| Gramoxone + Squadron               | 1  | (1)a |
| Lasso + Scepter                    | 1  |      |
| Lasso + Sencor                     | 2  |      |
| Poast + Reflex                     | 1  | (1)  |
| Prowl                              | 4  |      |
| Prowl + Scepter + 2,4-D + Butyrac  | 1  | (1)  |
| Pursuit                            | 15 | (3)b |
| Pursuit + Reflex                   | 1  |      |
| Reflex                             | 4  |      |
| Reflex + Tornado                   | 1  |      |
| Roundup + Dual + Lorox             | 1  |      |
| Roundup + Dual + Scepter           | 2  |      |
| Roundup + Squadron                 | 3  |      |
| Roundup + Prowl + 2,4-D            | 1  |      |
| Roundup + Freedom + Canopy + 2,4-D | 1  |      |
| Scepter                            | 6  |      |
| Squadron                           | 4  | (1)  |
| Tornado                            | 2  |      |
| Treflan                            | 17 | (1)  |
| Treflan + Scepter                  | 2  |      |
| Tri-Scept                          | 2  |      |

## Summary of Other Entries

| <u>Name</u>            | <u>County</u> | <u>Variety</u>     | <u>Yield<br/>(Bu/A)</u> |
|------------------------|---------------|--------------------|-------------------------|
| Klint & Steve Kelley   | Carlisle      | Asgrow 5403        | 40.15                   |
| Preston Fulkerson      | Daviess       | Asgrow 4715        | 55.40                   |
| J.C. Wilhoite          | Daviess       | Pharaoh            | 53.66                   |
| Pat Thompson           | Daviess       | Jacob              | 50.68                   |
| Beanland Farms         | Daviess       | Pioneer 9442       | 49.91                   |
| Gene Glenn             | Daviess       | Abel               | 46.95                   |
| Mike Cecil             | Daviess       | Asgrow 4715        | 46.32                   |
| Ricky Hudson           | McLean        | Asgrow 4715        | 52.00                   |
| Elder Farms            | Union         | So. States FFR-500 | 58.08                   |
| Hancock Brothers       | Union         | Pioneer 9442       | 57.70                   |
| Hancock Brothers       | Union         | Asgrow 4715        | 57.44                   |
| Hancock Brothers       | Union         | N.King NK 4644     | 54.15                   |
| Land O'Nan Farms       | Union         | Pioneer 9521       | 56.69                   |
| Land O'Nan Farms       | Union         | Abel               | 56.08,45.60             |
| Land O'Nan Farms       | Union         | Pharaoh            | 55.07                   |
| Land O'Nan Farms       | Union         | Asgrow 4715        | 54.98                   |
| Land O'Nan Farms       | Union         | Cain               | 32.48                   |
| David Walker           | Union         | Asgrow 4715        | 56.36                   |
| David Walker           | Union         | Asgrow 5560        | 53.07                   |
| McElroy Farms          | Union         | Pioneer 9442       | 56.07,53.09             |
| McElroy Farms          | Union         | Pioneer 9521       | 49.50                   |
| McElroy Farms          | Union         | NK Coker 425       | 48.28                   |
| Bill Gough             | Union         | Princ. Farms 4490  | 54.96                   |
| Phillip Henshaw        | Union         | NK Coker 425       | 54.48                   |
| Gough Farms            | Union         | So.States FFR-500  | 53.48                   |
| Paul Henshaw           | Union         | NK Coker 425       | 53.18                   |
| Sprague Brothers       | Union         | Asgrow 5403        | 53.08                   |
| Sprague Brothers       | Union         | Pioneer 9521       | 52.68                   |
| Sprague Brothers       | Union         | Ciba 3482          | 50.10                   |
| Matt Mason             | Union         | Asgrow 4715        | 52.94                   |
| Hardesty & Loxley      | Union         | So.States FFR-561  | 51.68                   |
| Happy Hollow Farms     | Hopkins       | Asgrow 4715        | 52.63,51.86             |
| Paul Austin            | Hopkins       | Asgrow 4715        | 49.40                   |
| Charles Gatton, Jr.    | Muhlenberg    | DeKalb CX 469C     | 42.40                   |
| Grant Walters          | Butler        | Asgrow 4715        | 47.95                   |
| Clark Brothers         | Hardin        | Asgrow 4715        | 53.34                   |
| Clark Farms            | Hardin        | Asgrow 4595        | 51.90                   |
| David Miller           | Hardin        | Asgrow 4715        | 51.49                   |
| David Simcoe           | Hardin        | Asgrow 4715        | 49.97                   |
| Lori Hughes            | Simpson       | N.King NK 4240     | 54.03                   |
| Timothy Hughes         | Simpson       | So.States FFR-500  | 49.82                   |
| Dave Watson            | Fleming       | DeKalb CX 469C     | 55.56                   |
| Dave Watson            | Fleming       | DeKalb CX 415      | 50.12                   |
| Dave Watson            | Fleming       | DeKalb CX 366      | 49.32                   |
| Charles Allison, Sr.   | Mason         | So.States FFR-398  | 52.00                   |
| Don Burton             | Wayne         | Pioneer 9501       | 49.41                   |
| Orman & Douglas Burton | Wayne         | Pennyrile          | 47.57                   |
| Orman & Douglas Burton | Wayne         | Pioneer 9501       | 45.10                   |
| Barton Williams        | Wayne         | Essex              | 40.38                   |

## 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.

AgriPro Seeds

J.M. Schultz Seed Co.

American Cyanamid

Miles, Inc.

Asgrow Seed Co.

Monsanto

BASF

Mycogen Plant Sciences

Callahan Seeds

Pioneer Hi-Bred Int.

Ciba

Rhone-Poulenc

Ciba Seed Division

Southern States Coop.

DeKalb Plant Genetics

The New Northrup King

DowElanco

Valent U.S.A. Corp.

DuPont

Zeneca Ag Products

FMC