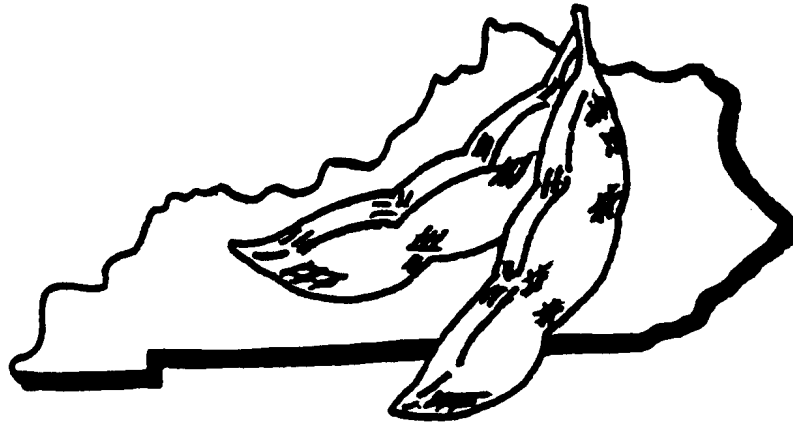


2006

KENTUCKY SOYBEAN PRODUCTION CONTEST

Summary of Awards and Cultural Practices



Sponsored by

**University of Kentucky Cooperative Extension Service
and
Kentucky Soybean Association/Promotion Board**

**With
Cooperating Agri-Business Companies**

January 19, 2007

2006 Kentucky Soybean Production Contest

Summary of Award Winners

Total entries completed - 41
 Div. I (Single-crop) - 34
 Div. II (Double-crop) - 7
 Kentucky counties represented - 16

I. State Awards: Division I (Single-crop) and II (Double-crop)

| <u>Award</u> | <u>Div.</u> | <u>Name</u> | <u>County</u> | <u>Variety</u> | <u>Yield (Bu/A)</u> |
|--------------|-------------|--------------------|---------------|-----------------|---------------------|
| Champion | I | Mose Coblentz | Todd | Crow's C4442R | 82.80 |
| 1st Place | I | Hancock Brothers | Union | DeKalb DKB42-51 | 80.19 |
| 2nd Place | I | Schwenke Brothers | Boone | LG C3851RR | 79.68 |
| 1st Place | II | Greenwell Brothers | Union | Asgrow AG4703 | 54.65 |
| 2nd Place | II | Bobby Clark | Daviess | NK Brand S49-Q9 | 53.01 |

II. District Awards: (Highest entry not a state winner)

| <u>District</u> | <u>Div.</u> | <u>Name</u> | <u>County</u> | <u>Variety</u> | <u>Yield (Bu/A)</u> |
|-----------------|-------------|----------------------|---------------|----------------|---------------------|
| 1 | I | Griffith Farms | Graves | Vigoro V265RR | 77.24 |
| 2 | I | Waller Brothers | Union | CPS 6491NRR | 79.18 |
| 3 | I | Ray Weir | Hopkins | CPS 6452NRR | 70.46 |
| 4 | I | Double M Farms | Logan | Garst 3712RR/N | 68.43 |
| 5 | | "No District Winner" | | | |
| 6 | I | Billy & Roger Morris | Casey | Pioneer 94M80 | 69.50 |

III. 60+ Bushel Club

| | <u>Name</u> | <u>County</u> | <u>Variety</u> | <u>Yield (Bu/A)</u> |
|-----|--------------------------|---------------|----------------------|---------------------|
| A. | Division I - Single-crop | | | |
| 1. | Mose Coblentz | Todd | Crow's C4442R | 82.80 |
| 2. | Hancock Brothers | Union | DeKalb DKB42-51 | 80.19 |
| 3. | Schwenke Brothers | Boone | LG C3851RR | 79.68 |
| 4. | Waller Brothers | Union | CPS 6491NRR | 79.18 |
| 5. | David M. Walker | Union | Pioneer 94M50 | 78.36 |
| 6. | Griffith Farms | Graves | Vigoro V265RR | 77.24 |
| 7. | Leo Mattingly, Jr. | Henderson | Great Lakes GL4009RR | 76.61 |
| 8. | Ebelhar Farms | McLean | Beck's 444NRR | 75.07 |
| 9. | Schwenke Brothers | Boone | Pioneer 94M30 | 72.95 |
| 10. | Waller Brothers | Union | Expt'l. R4452 | 71.69 |

| | | | | |
|-----|------------------------|------------|----------------------|-------|
| 11. | David M. Walker | Union | Asgrow AG4801 | 71.37 |
| 12. | Land-O-Nan Farms | Union | CPS 6471NRR | 70.70 |
| 13. | Ray Weir | Hopkins | CPS 6452NRR | 70.46 |
| 14. | Castlen Brothers Farms | Daviess | NK Brand S35-F9 | 69.83 |
| 15. | Billy & Roger Morris | Casey | Pioneer 94M80 | 69.50 |
| 16. | PPJ Thompson Farms | Daviess | So. Cross Michael-RR | 69.39 |
| 17. | Litzinger/Conway | Mason | NK Brand S43-B1 | 69.26 |
| 18. | Double M Farms | Logan | Garst 3712RR/N | 68.43 |
| 19. | Donald Poore | Cumberland | NK Brand S39-Q4 | 68.35 |
| 20. | Basham Farms | Hopkins | CPS 6491NRR | 68.20 |
| 21. | Land-O-Nan Farms | Union | CPS 6471NRR | 65.58 |
| 22. | Wells Brothers | Union | DeKalb DKB46-51 | 64.76 |
| 23. | Sprague Brothers Farms | Union | Crow's 4415R | 64.61 |
| 24. | Litzinger/Conway | Mason | NK Brand S43-B1 | 63.76 |
| 25. | Goetz Brothers Farms | Daviess | So. Cross Michael-RR | 63.20 |
| 26. | Litzinger/Conway | Mason | NK Brand S43-B1 | 61.88 |
| 27. | Mike Smedley & Cooley | Wayne | DeKalb DKB44-51 | 61.84 |

B. Division II – Double-crop

“No entries above 60 bu/acre in 2006.”

IV. **County Agricultural Agent Awards**

| <u>Award</u> | <u>Agent</u> | <u>County</u> | <u>Yield (Bu/A) or (# Entries)</u> |
|--|---------------|---------------|--|
| 1. Agent with State Champion Entry | Curt Judy | Todd | 82.80 |
| 2. Agent with Top 3 Avg. Yield | Rankin Powell | Union | 79.24 |
| 3. Most Entries Submitted | Rankin Powell | Union | (12) |
| 4. Submitted 3 or more entries (and did not receive one of the above awards) | Clint Hardy | Daviess | (8) |
| | Bill Peterson | Mason | (3) |

Summary of Cultural Practices

The information summarized below is from a questionnaire completed by each of the 41 contestant entries. A no response means the information was not provided by the contestant(s). The number in () represents the 27 entries that yielded over 60 bushels per acre. The letters (a,b,c,d,e) represent practices of the State Winners (Letter codes explained at end of summary).

What kind of seed was used?

| | | |
|-------------|----|---------------|
| New seed | 40 | (27)a,b,c,d,e |
| Saved seed | 0 | |
| No response | 1 | |

Germination of seed planted.

| | | |
|-------------|----|-----------|
| 90% or more | 20 | (13)b,c,d |
| 85-89% | 12 | (9)a,e |
| 80-84% | 7 | (3) |
| <80% | 0 | |
| No response | 2 | (2) |

Did you inoculate your seed?

| | | |
|-------------|----|-----------|
| Yes | 24 | (16)b,c,d |
| No | 13 | (9)a,e |
| No response | 4 | (2) |

What tillage system was used?

| | | |
|-------------------------------|----|---------|
| <u>Div. I (Single-crop):</u> | | |
| Conventional | 0 | |
| Minimum-till | 13 | (9)c |
| No-tillage | 21 | (18)a,b |
| No response | 0 | |
| <u>Div. II (Double-crop):</u> | | |
| Conventional | 0 | |
| Minimum-till | 0 | |
| No-tillage | 7 | d,e |
| No response | 0 | |

What row width did you plant?

| | | |
|-------------------------------|----|-----------|
| <u>Div. I (Single-crop):</u> | | |
| Solid (B'cast) | 0 | |
| 6-10" | 6 | (5) |
| 11-15" | 27 | (21)a,b,c |
| 16-20" | 1 | (1) |
| 21-29" | 0 | |
| 30" | 0 | |
| 31-40" | 0 | |
| No response | 0 | |
| <u>Div. II (Double-crop):</u> | | |
| 6-10" | 2 | e |
| 11-15" | 5 | d |
| 16-20" | 0 | |
| 30" | 0 | |
| No response | 0 | |

What was your planting date?

| | | |
|-------------------------------|----|--------|
| <u>Div. I (Single-crop):</u> | | |
| Before April 20 | 3 | (2) |
| April 20-30 | 0 | |
| May 1-10 | 11 | (9)b |
| May 11-20 | 10 | (10) |
| May 21-31 | 7 | (5)a,c |
| June 1-10 | 1 | |
| June 11-20 | 1 | (1) |
| June 21-30 | 1 | |
| No response | 0 | |
| <u>Div. II (Double-crop):</u> | | |
| June 1-10 | 0 | |
| June 11-20 | 5 | d,e |
| June 21-30 | 1 | |
| July 1+ | 1 | |
| No response | 0 | |

What was your planting rate (seeds/acre)?

| | | |
|-----------------------------------|----|-------|
| <u>Division I (Single-crop):</u> | | |
| <100,000 | 0 | |
| 100,000 - 125,000 | 2 | (1) |
| 126,000 - 150,000 | 5 | (3)b |
| 151,000 - 175,000 | 16 | (13)c |
| 176,000 - 200,000 | 5 | (5)a |
| 201,000 - 225,000 | 5 | (5) |
| 225,000 + | 0 | |
| No response | 1 | |
| <u>Division II (Double-crop):</u> | | |
| < 125,000 | 0 | |
| 126,000 - 150,000 | 0 | |
| 151,000 - 175,000 | 4 | e |
| 176,000 - 200,000 | 3 | d |
| 201,000 - 225,000 | 0 | |
| 225,000 + | 0 | |
| No response | 0 | |

What rate of P₂O₅ and K₂O were applied?

| <u>Lbs/A</u> | <u>P₂O₅</u> | <u>K₂O</u> |
|----------------|-----------------------------------|-----------------------|
| 0 | 20 | (15)a |
| 1-40 | 9 | (7)b,e |
| 41-80 | 7 | (2)c,d |
| 81-120 | 2 | (1) |
| 120 + | 1 | (1) |
| Manure applied | 0 | 0 |
| No response | 2 | (1) |
| | | 17 |
| | | (13)a |
| | | 5 |
| | | (3) |
| | | 8 |
| | | (5)b,c |
| | | 7 |
| | | (4)d,e |
| | | 2 |
| | | (1) |
| | | 0 |
| | | 0 |
| | | 2 |
| | | (1) |

Was nitrogen applied?

| | | |
|------------------------|----|-------------|
| Yes | 10 | (6)e |
| No | 29 | (20)a,b,c,d |
| Manure applied | 0 | |
| No response or unknown | 2 | (1) |

What was your previous crop?Div. I (Single-crop):

| | | |
|------------------------|----|-----------|
| Corn | 33 | (27)a,b,c |
| Soybeans | 1 | |
| Grain Sorghum | 0 | |
| Soybeans Double-crop | 0 | |
| Pasture or Sod (grass) | 0 | |
| None (Fallow) | 0 | |
| No response | 0 | |

Div. II (Double-crop):

| | | |
|-------------|---|-----|
| Wheat | 7 | d,e |
| Barley | 0 | |
| Canola | 0 | |
| No response | 0 | |

Was a foliar fungicide used?

| | | |
|-------------|----|-----------|
| Yes | 20 | (16)b,c |
| No | 21 | (11)a,d,e |
| No response | 0 | |

Products used:

| | | |
|------------|----|---------|
| Headline | 17 | (13)b,c |
| Quadris | 3 | (3) |
| Not listed | 0 | |

Was an insecticide used?

| | | |
|-------------|----|-----------|
| Yes | 12 | (9)c,d |
| No | 29 | (18)a,b,e |
| No response | 0 | |

Products used:

| | | |
|-----------------------|---|------|
| Cruiser + Mustang Max | 1 | |
| Mustang | 2 | (2) |
| Mustang Max | 2 | (1) |
| Pyrethroid Product | 1 | d |
| Warrior | 5 | (5)c |
| Not listed | 1 | (1) |

Most planted variety of 30 used.

| | | |
|-----------------|---|-----|
| NK Brand S43-B1 | 3 | (3) |
|-----------------|---|-----|

What type of herbicide application did you use?

| | | |
|----------------------|----|-----------|
| Preemergence (PRE) | 0 | |
| PRE + Postemergence | 19 | (13)a,b |
| Postemergence (POST) | 21 | (14)c,d,e |
| None | 1 | |
| No Response | 0 | |

What herbicides were used?

| | | |
|---|----|--------|
| Canopy | 1 | (1) |
| Canopy + 2,4-D | 1 | (1) |
| Fusion + Reflex + Basagran | 1 | |
| <u>Glyphosate Products, Pre-mixes and Tank Mixes:</u> | | |
| Buccaneer (POST) | 1 | (1) |
| Extreme (PRE) | 3 | (2)b |
| Extreme (POST) | 2 | (1) |
| Glyphomax (PRE + POST) | 1 | (1) |
| Glyphosate (PRE) | 1 | (1) |
| Glyphosate + 2,4-D (PRE) | 2 | (1) |
| Glyphosate (POST) | 1 | (1) |
| Glyphosate + Select (POST) | 1 | (1) |
| Roundup* + 2,4-D (PRE) | 2 | |
| Roundup* (POST) | 10 | (3)b,d |
| Roundup* + Classic (POST) | 1 | (1) |
| Roundup* + Roundup (POST) | 12 | (10)e |
| Roundup* (PRE + POST) | 7 | (6)a |
| Touchdown* + 2,4-D (PRE) | 1 | |
| Touchdown* (POST) | 3 | (2)c |

*Various formulations used.

Explanation of letter codes (State winners):

a = State Champion
b = Div. I (Single-crop) 1st Place
c = Div. I (Single-crop) 2nd Place
d = Div. II (Double-crop) 1st Place
e = Div. II (Double-crop) 2nd Place

Summary of Other Entries

| <u>Name</u> | <u>County</u> | <u>Variety</u> | <u>Yield (Bu/A)</u> |
|------------------------------|---------------|-----------------|-------------------------|
| A. Division I - Single-crop | | | |
| Jed Clark | Graves | Vigoro V42N3RR | 53.84 |
| Joey Parker | Fulton | DeKalb DKB44-51 | 57.22 |
| Stephen Farms | Daviess | Garst 4512RR/N | 53.59 |
| Wes Yeiser | Daviess | Pioneer 94M30 | 52.19 |
| Double M Farms | Logan | Garst 3712RR/N | 57.73 |
| Kevin Clark | Hardin | Asgrow AG3906 | 58.86 |
| Donald Poore | Cumberland | NK Brand S39-Q4 | 50.14 |
| B. Division II - Double-crop | | | |
| Triple T Farms | Daviess | Asgrow AG4801 | 52.43 |
| Goetz Brothers Farms | Daviess | DynaGro 3484 | 42.95 |
| Running T Farms | Union | CPS 6482NRR | 49.68 |
| Running T Farms | Union | CPS 6482NRR | 48.79 |
| Peterson Farms | Marion | Pioneer 93B87 | 50.53 |

Cooperating Agri-Business Companies and Associations

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

PLATINUM LEVEL

Kentucky Soybean Association/Kentucky Soybean Promotion Board

GOLD LEVEL

Bayer Crop Science

DuPont Crop Protection

Farm Credit Services of Mid-America

Monsanto Co. (Asgrow/DeKalb Brand Seed)

Pioneer Hi-Bred International

Syngenta Crop Protection

SILVER LEVEL

Agri-Chem

Crop Production Services

Southern States Coop.

BRONZE LEVEL

BASF

Crow's Seed Company

Dow AgroSciences

FMC

Miles Farm Supply (Southern Cross Brand Seed)

Syngenta Seeds (NK Brand Seed)