

2017 Kentucky Extension Soybean Production Contest

Summary of Winners & Cultural Practices



Sponsored by
University of Kentucky
Cooperative Extension Service
 AND
Kentucky Soybean Promotion Board
 with
Cooperating Agricultural Companies

Available online at:
www.KyGrains.info

| 2016 Entry Summary | |
|---------------------------|-----------|
| Yield Entries Submitted | |
| Full-Season (Division I) | 44 |
| Double-Crop (Division II) | 11 |
| Total | 55 |
| Irrigated Entries | 8 |
| Quality Entries | 38 |
| Participating Counties | 10 |



2017 Soybean Yield Contest Results

Available online at: www.KyGrains.info

State Yield Awards

| | Div. | Irrigation | Grower/Farm | County | Company | Brand/ Variety | Yield (bu/A) |
|----------------|------|---------------|-----------------------|-----------|----------|-------------------|-----------------|
| State Champion | I | Irrigated | Meredith Farms | Henderson | Pioneer | P35T58R | 107.76 |
| 1st Place | I | Irrigated | Lea Meredith | Henderson | Pioneer | P35T58R | 104.17 |
| 2nd Place | I | Irrigated | Lyle Waller | Union | Dyna-Gro | S35XT97 | 96.74 |
| 1st Place | I | Non-Irrigated | Goetz Bros Farms | Daviess | Asgrow | 44X6 | 94.04 |
| 2nd Place | I | Non-Irrigated | Jerry Joe Greenwell | Union | Dyna-Gro | 37RS96 | 92.17 |
| 1st Place | II | Irrigated | - | - | - | - | - |
| 2nd Place | II | Irrigated | - | - | - | - | - |
| 1st Place | II | Non-Irrigated | Bruce & Jeremy Benson | Hopkins | LG | C4411R2 | 91.84 |
| 2nd Place | II | Non-Irrigated | Flatlick Farms | Daviess | Asgrow | AG 4440RX | 80.00 |

District Yield Awards

| | Div. | Irrigation | Grower/Farm | County | Company | Brand/ Variety | Yield (bu/A) |
|------------|------|---------------|-----------------|------------|---------|-------------------|-----------------|
| District 1 | I | Irrigated | Griffith Farms | Graves | Asgrow | CX4612 | 74.60 |
| District 2 | I | Non-Irrigated | White Farms | Union | Channel | 3417R2X | 91.62 |
| District 3 | I | Non-Irrigated | Armistead Farms | Logan | Stine | 47RI02 | 81.28 |
| District 4 | I | Non-Irrigated | Poore's | Cumberland | Beck's | 366L4 | 85.73 |

County Agent Awards

| Award | County | Agent | Yield (bu/A) | No. of Entries |
|--|-----------|--------------------------|-----------------|-------------------|
| Agent with State Champion Entry | Henderson | Camille Lambert | 107.76 | |
| Agent with Highest Yield of Top 3 Entries | Henderson | Camille Lambert | 105.05 | |
| Most Entries Submitted | Daviess | Clint Hardy/Brett Carper | | 18 |
| Submitted 3 or more entries (excluding above winners) | Union | Brad Hagan | | 10 |
| | Wayne | Glen Roberts/Danny Adams | | 9 |
| | Graves | Sam Anderson | | 3 |

2017 Soybean Yield Contest Results

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100 Bushel Club

| Div. | Grower/Farm | County | Company | Brand/ Variety | Yield (bu/A) | District |
|------|------------------|-----------|---------|-------------------|-----------------|----------|
| 1. I | Meredith Farms | Henderson | Pioneer | P35T58R | 107.76 | 2 |
| 2. I | Lea Meredith | Henderson | Pioneer | P35T58R | 104.17 | 2 |
| 3. I | Phillip Meredith | Henderson | Pioneer | P35T58R | 103.22 | 2 |

90 Bushel Club

| Div. | Grower/Farm | County | Company | Brand/ Variety | Yield (bu/A) | District |
|-------|-----------------------|-----------|----------|-------------------|-----------------|----------|
| 1. I | Lea Meredith | Henderson | Pioneer | P35T58R | 99.34 | 2 |
| 2. I | Lyle Waller | Union | Dyna-Gro | S35XT97 | 96.74 | 2 |
| 3. I | Goetz Bros Farms | Daviess | Asgrow | 44X6 | 94.04 | 2 |
| 4. I | Jerry Joe Greenwell | Union | Dyna-Gro | 37RS96 | 92.17 | 2 |
| 5. II | Bruce & Jeremy Benson | Hopkins | LG | C4411R2 | 91.84 | 1 |
| 6. I | White Farms | Union | Channel | 3417R2X | 91.62 | 2 |
| 7. I | Knott Farms | Daviess | Beck's | 437R4 | 91.41 | 2 |
| 8. I | Knott Farms | Daviess | Beck's | 437 | 90.91 | 2 |
| 9. I | Ray Wells Farm | Union | Asgrow | 39X7 | 90.82 | 2 |

80 Bushel Club

| Div. | Grower/Farm | County | Company | Brand/ Variety | Yield (bu/A) | District |
|--------|---------------------|------------|------------------|-------------------|-----------------|----------|
| 1. I | Zoglmann Bros Farms | Daviess | Asgrow | 39X7 | 88.69 | 2 |
| 2. I | Sparks Brothers | Daviess | Asgrow | 36X6RR2X | 87.89 | 2 |
| 3. I | Monty Parrish Farms | Henderson | Pioneer | P35T58R | 87.71 | 2 |
| 4. I | PPJ Thompson Farms | Daviess | Pioneer | P35T58 | 87.58 | 2 |
| 5. I | Sparks Brothers | Daviess | Asgrow | 36X6RR2X | 86.90 | 2 |
| 6. I | PPJ Thompson Farms | Daviess | Pioneer | 38T42 | 86.49 | 2 |
| 7. I | Poore's | Cumberland | Beck's | 366L4 | 85.73 | 4 |
| 8. I | Clements Bros | Union | Pioneer | P35T58R | 85.02 | 2 |
| 9. I | Parrish Farms | Henderson | Pioneer | P35T58R | 84.18 | 2 |
| 10. I | PPJ Thompson Farms | Daviess | Pioneer | 46A16R | 83.66 | 2 |
| 11. I | S&P Farms | Union | Remington | 4.1RR2X | 83.11 | 2 |
| 12. I | Sparks Brothers | Daviess | Asgrow | 36X6RR2X | 82.79 | 2 |
| 13. I | PPJ Thompson Farms | Daviess | Pioneer | 41T33 | 82.33 | 2 |
| 14. I | Landry & L.E. Brown | Wayne | Pfisters | 39RS01 | 82.03 | 4 |
| 15. I | PPJ Thompson Farms | Daviess | Pioneer | 32T16 | 81.77 | 2 |
| 16. I | PPJ Thompson Farms | Daviess | Pioneer | 35T58 | 81.35 | 2 |
| 17. I | Armistead Farms | Logan | Stine | 47RI02 | 81.28 | 3 |
| 18. I | Caverndale Farms | Boyle | Caverndale Farms | CF 426 RR2Y/STSn | 80.61 | 4 |
| 19. I | Cates Farm LLC | Henderson | Pioneer | P35T58R | 80.45 | 2 |
| 20. I | Lyle Waller | Union | Dyna-Gro | S43XS27 | 80.05 | 2 |
| 21. II | Flatlick Farms | Daviess | Asgrow | AG 4440RX | 80.00 | 2 |

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70 Bushel Club

| Div. | Grower/Farm | County | Company | Brand/ Variety | Yield (bu/A) | District |
|--------|---------------------|------------|------------------|-------------------|-----------------|----------|
| 1. I | Knott Farms | Daviess | Pioneer | P47T36 | 79.89 | 2 |
| 2. I | Sparks Brothers | Daviess | Asgrow | 36X6RR2X | 79.72 | 2 |
| 3. I | Drew Langley | Hardin | Asgrow | 47X6 | 78.23 | 4 |
| 4. II | KSW Farms | Wayne | Seed Consultants | SC 9456 | 77.41 | 4 |
| 5. I | Bill Gough | Union | Beck's | 493 | 75.13 | 2 |
| 6. I | Griffith Farms | Graves | Asgrow | CX4612 | 74.60 | 1 |
| 7. I | Griffith Farms | Graves | Asgrow | CX4612 | 73.70 | 1 |
| 8. I | Landry & L.E. Brown | Wayne | Pfisters | 41R201 | 73.65 | 4 |
| 9. I | Richard Leslie | Union | Asgrow | AG 4632 | 73.63 | 2 |
| 10. I | K&S Farms | Wayne | CropLand | RX4926 | 72.82 | 4 |
| 11. I | Weir Farms | Hopkins | Channel | 4206 R2 | 72.01 | 1 |
| 12. I | Poore's | Cumberland | Beck's | 424L4 | 70.99 | 4 |
| 13. I | Josh Simpson | Wayne | Beck's | 465L4 | 70.50 | 4 |
| 14. II | Goetz Bros Farms | Daviess | Asgrow | AG 44X6 | 70.13 | 2 |

Participants

| Div. | Grower/Farm | County | Company | Brand/ Variety | Yield (bu/A) | District |
|-------|--------------------|---------|------------------|-------------------|-----------------|----------|
| 1. II | KSW Farms | Wayne | Pioneer | P48T36 | 69.66 | 4 |
| 2. II | KSW Farms | Wayne | Seed Consultants | SC 9456 | 67.30 | 4 |
| 3. II | Jim Hendrickson | Union | Asgrow | AG 48X7 | 67.13 | 2 |
| 4. II | James Sexton | Wayne | Seed Consultants | SC9456SR | 66.75 | 4 |
| 5. I | Mike Smedley | Wayne | Beck's | 453R4 | 66.73 | 4 |
| 6. II | Patty Griffith | Graves | Asgrow | AG 47X6 | 65.26 | 1 |
| 7. II | PPJ Thompson Farms | Daviess | Pioneer | P38T61 | 62.86 | 2 |
| 8. II | Keith Hendrickson | Union | Asgrow | AG 48X7 | 60.12 | 2 |

Overall Contest Average 81.49

Full-Season (Division I) Average 84.17

Double-Crop (Division II) Average 70.77

Cultural Practices of 2017 Soybean Yield Award Winners

| | State Champion | Division I-Irrigated | | Division I-Non-Irrigated | |
|---|---|---|---|--------------------------|--|
| | | 1st Place | 2nd Place | 1st Place | 2nd Place |
| Grower/Farm | Meredith Farms | Lea Meredith | Lyle Waller | Goetz Bros Farms | Jerry Joe Greenwell |
| County | Henderson | Henderson | Union | Daviess | Union |
| Company | Pioneer | Pioneer | Dyna-Gro | Asgrow | Dyna-Gro |
| Brand | P35T58R | P35T58R | S35XT97 | 44X6 | 37RS96 |
| Yield (bu/A) | 107.76 | 104.17 | 96.74 | 94.04 | 92.17 |
| Division | Full-Season (I) | Full-Season (I) | Full-Season (I) | Full-Season (I) | Full-Season (I) |
| Tillage | Conventional Till | Conventional Till | No-Till | Conventional Till | Minimal Tillage |
| Soil Preparation | Chisel 1x Spring 726 Mulch Finisher 1x Spring | Chisel 1x Spring 726 Mulch Finisher 1x Spring | 0 | Turbochopper | Disc 1x Fall Field Cultivator 1x Spring |
| Planting Date | 4/12/2017 | 4/12/2017 | 4/16/2017 | 4/26/2017 | 4/16/2017 |
| Row Width (in.) | 15 | 15 | 15 | 15 | 15 |
| Seeds/A | 155,000 | 155,000 | 156,000 | 140,000 | 145,000 |
| Irrigated | Yes | Yes | Yes | No | No |
| Harvest Date | 9/7/2017 | 9/7/2017 | 9/25/2017 | 10/16/2017 | 9/28/2017 |
| Previous Crop | Corn | Corn | No Response | No Response | Corn |
| Total N (lbs/A) | No Response | No Response | No Response | No Response | 0 |
| Total P ₂ O ₅ (lbs/A) | 0 | 0 | 0 | 0 | 0 |
| Total K ₂ O (lbs/A) | 88 | 88 | 120 | No Response | 0 |
| Total Manure (lbs/A) | 0 | 0 | 0 | 0 | 0 |
| Total Other (lbs/A) | 0 | 0 | Sulfur (22.5) Zinc (2.25) | 0 | CoRoN (25-0-0) Foliar Feed |
| Seed Treatment | Pioneer Premium | Pioneer Premium | Equity VIP | Yes | Equity |
| Seed Inoculant | PPST 120 | PPST 120 | Dyna-Start PBC | No Response | Dyna-Start Max |
| In-Furrow Treatment | None | None | Priaxor (2 oz/A) | No Response | None |
| Insecticide | Endigo ZC | Endigo ZC | Tombstone (2 oz/A) | Hero | Mustang Hero |
| Fungicide | Topguard EQ | Topguard EQ | Priaxor (4 oz/A) | Priaxor | Priaxor Proprastar |
| Herbicide -Pre-Emergence | Authority XL Parallel | Authority XL Parallel | Matador (3 pt/A) Roundup (32 oz/A) Salvo (1.5 pt/A) | Verdict | Authority Roundup Barrage |
| -Post-Emergence | Torment Roundup PowerMAXX II Parallel | Torment Roundup PowerMAXX II Parallel | Roundup (32 oz/A) Anthem Maxx (3.25 oz/A) | Prefix glyphosate | Roundup Anthem |
| Other Inputs | 0 | 0 | 0 | 3-18-18 (4 gal/A) | 0 |

Cultural Practices of 2017 Soybean Yield Award Winners

| | <u>Division II-Non-Irrigated</u> | | <u>District</u> | | | |
|---|---|---------------------------------------|----------------------------|--|---|------------------------------|
| | 1st Place | 2nd Place | 1 | 2 | 3 | 4 |
| Grower/Farm | Bruce & Jeremy Benson | Flatlick Farms | Griffith Farms | White Farms | Armistead Farms | Poore's |
| County | Hopkins | Daviess | Graves | Union | Logan | Cumberland |
| Company | LG | Asgrow | Asgrow | Channel | Stine | Beck's |
| Brand | C4411R2 | AG 4440RX | CX4612 | 3417R2X | 47R102 | 366L4 |
| Yield (bu/A) | 91.84 | 80.00 | 74.60 | 91.62 | 81.28 | 85.73 |
| Division | Double-Crop (II) No Response | Double-Crop (II) No-Till | Full-Season (I) No-Till | Full-Season (I) No-Till | Full-Season (I) No-Till | Full-Season (I) No-Till |
| Tillage | Disc 3x Fall | 0 | 0 | McFarlene Reel Disk Fall | Incorporated rye and fertilizer with vertical tillage tool Fall 2016 | 0 |
| Soil Preparation | | | | | | |
| Planting Date | 6/14/2017 | 6/15/2017 | 5/21/2017 | 5/9/2017 | 5/10/2017 | 5/15/2017 |
| Row Width (in.) | 15 | 15 | 15 | 15 | 7.5 | 15 |
| Seeds/A | 165,000 | 185,000 | 140,000 | 150,600 | 155,000 | 160,000 |
| Irrigated | No | No | Yes | No | No | No |
| Harvest Date | 11/21/2017 | 11/13/2017 | 10/4/2017 | 9/22/2017 | 10/17/2017 | 10/2/2017 |
| Previous Crop | Canola | Wheat | Corn | Corn | Corn/Cereal Rye Cover Crop | Soybean |
| Total N (lbs/A) | 0 | No Response | 0 | No Response | 50 | 0 |
| Total P ₂ O ₅ (lbs/A) | 0 | 0 | 0 | 0 | 0 | 0 |
| Total K ₂ O (lbs/A) | 0 | No Response | 200 | 140 | 150 | 200 |
| Total Manure (lbs/A) | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Other (lbs/A) | 0 | 0 | 0 | 0 | 0 | 200 lbs/A pellitized lime |
| Seed Treatment | Yes | Yes | Equity VP | Acceleron F/I | Cruiser Max ILeVO | Escalate |
| Seed Inoculant | No Response | No Response | None | Graph-Ex | Vigor | GraphEx |
| | Navigate (8 oz/A) LiberateCa (16 oz/A) | None | None | None | None | None |
| Insecticide | Hero | Match-Up (5 oz/A) | Sniper | Baythoid | Lamcap II + Bifen | Proaxis |
| Fungicide | Priaxor (4 oz/A) Propicure (4 oz/A) | Quadris Top SBX | Quadris/Fortix | Stratego YLD | Priaxor + Tilt | Fortix |
| Herbicide -Pre-Emergence | | | | Roundup PowerMax 2,4-D Authority XL Gramozone | Roundup PowerMax 2,4-D Zidua Pro | Roundup Valor Prowl |
| -Post-Emergence | ThunderMaster | None | Roundup Warrant | | | |
| | None | Prefix (2 pts/A) Roundup (28 oz/A) | Roundup Engenia | Roundup Powermax AMS | Roundup PowerMax | Liberty |
| Other Inputs | | | | | | |
| | Borpac (16 oz/A) | 0 | 0 | 0 | 0 | 0 |

2017 Soybean Quality Contest Results

Available online at: www.KyGrains.info

State Quality Awards

| | | | | | Brand/ Variety | Percent | |
|-------------------|------|---------------------|------------|---------|-------------------|--------------|--------------|
| | Div. | Grower/Farm | County | Company | | Oil | Protein |
| Oil 1st Place | I | PPJ Thompson Farms | Daviess | Pioneer | 41T33 | 21.11 | 32.10 |
| Oil 2nd Place | I | Monty Parrish Farms | Henderson | Pioneer | P35T58R | 20.84 | 32.32 |
| Protein 1st Place | I | Poore's | Cumberland | Beck's | 424L4 | 18.25 | 35.82 |
| Protein 2nd Place | I | Clements Bros | Union | Pioneer | P35T58R | 19.23 | 35.76 |

2017 Soybean Quality Entries

Division I (Full-Season Soybeans)

| Grower/Farm | County | Company | Brand/ Variety | Percent | |
|-------------------------|------------|-----------|-------------------|---------|---------|
| | | | | Oil | Protein |
| 1. PPJ Thompson Farms | Daviess | Pioneer | 41T33 | 21.11 | 32.10 |
| 2. PPJ Thompson Farms | Daviess | Pioneer | 32T16 | 20.95 | 31.95 |
| 3. Monty Parrish Farms | Henderson | Pioneer | P35T58R | 20.84 | 32.32 |
| 4. PPJ Thompson Farms | Daviess | Pioneer | 35T58 | 20.76 | 32.57 |
| 5. Lea Meredith | Henderson | Pioneer | P35T58R | 20.73 | 31.98 |
| 6. Meredith Farms | Henderson | Pioneer | P35T58R | 20.65 | 34.11 |
| 7. PPJ Thompson Farms | Daviess | Pioneer | 46A16R | 20.52 | 32.10 |
| 8. Parrish Farms | Henderson | Pioneer | P35T58R | 20.46 | 31.26 |
| 9. Poore's | Cumberland | Beck's | 366L4 | 20.03 | 35.02 |
| 10. Jerry Joe Greenwell | Union | Dyna-Gro | 37RS96 | 19.88 | 32.82 |
| 11. PPJ Thompson Farms | Daviess | Pioneer | 38T42 | 19.85 | 33.02 |
| 12. Bill Gough | Union | Beck's | 493 | 19.72 | 33.02 |
| 13. Goetz Bros Farms | Daviess | Asgrow | 44X6 | 19.58 | 33.82 |
| 14. White Farms | Union | Channel | 3417R2X | 19.51 | 33.09 |
| 15. S&P Farms | Union | Remington | 4.1RR2X | 19.51 | 33.63 |
| 16. Lyle Waller | Union | Dyna-Gro | S43XS27 | 19.51 | 33.35 |
| 17. Griffith Farms | Graves | Asgrow | CX4612 | 19.50 | 33.47 |
| 18. Lyle Waller | Union | Dyna-Gro | S35XT97 | 19.49 | 34.61 |
| 19. Richard Leslie | Union | Asgrow | AG 4632 | 19.28 | 34.32 |
| 20. Griffith Farms | Graves | Asgrow | CX4612 | 19.27 | 32.90 |
| 21. Clements Bros | Union | Pioneer | P35T58R | 19.23 | 35.76 |
| 22. Josh Simpson | Wayne | Beck's | 465L4 | 19.11 | 34.66 |
| 23. Ray Wells Farm | Union | Asgrow | 39X7 | 19.06 | 31.49 |
| 24. Landry & L.E. Brown | Wayne | Pfisters | 41R201 | 19.00 | 34.57 |
| 25. K&S Farms | Wayne | CropLand | RX4926 | 18.67 | 34.25 |
| 26. Poore's | Cumberland | Beck's | 424L4 | 18.25 | 35.82 |
| 27. Landry & L.E. Brown | Wayne | Pfisters | 39RS01 | 18.08 | 35.63 |
| 28. Mike Smedley | Wayne | Beck's | 453R4 | 17.77 | 34.08 |

Full-Season Average 19.65 33.49

2017 Soybean Quality Entries
Division II (Double-Crop Soybeans)

| Grower/Farm | County | Company | Brand/ Variety | Percent | |
|-----------------------|---------------|------------------|---------------------------|----------------|----------------|
| | | | | Oil | Protein |
| 1. Keith Hendrickson | Union | Asgrow | AG 48X7 | 19.88 | 32.82 |
| 2. PPJ Thompson Farms | Daviess | Pioneer | P38T61 | 19.79 | 34.16 |
| 3. Goetz Bros Farms | Daviess | Asgrow | AG 44X6 | 19.41 | 34.41 |
| 4. James Sexton | Wayne | Seed Consultants | SC9456SR | 19.10 | 33.83 |
| 5. Jim Hendrickson | Union | Asgrow | AG 48X7 | 18.97 | 34.05 |
| 6. KSW Farms | Wayne | Seed Consultants | SC 9456 | 18.95 | 35.10 |
| 7. KSW Farms | Wayne | Seed Consultants | SC 9456 | 18.91 | 34.53 |
| 8. KSW Farms | Wayne | Pioneer | P48T36 | 18.77 | 34.56 |
| 9. Flatlick Farms | Daviess | Asgrow | AG 4440RX | 18.55 | 33.97 |
| 10. Patty Griffith | Graves | Asgrow | AG 47X6 | 18.07 | 34.46 |

Double-Crop Average 19.04 34.19

Cultural Practices of 2017 Soybean Quality Award Winners

| | <u>Oil</u> | | <u>Protein</u> | |
|---|--|---|-----------------------------|---|
| | 1st Place | 2nd Place | 1st Place | 2nd Place |
| Grower/Farm | PPJ Thompson Farms | Monty Parrish Farms | Poore's | Clements Bros |
| County | Davies | Henderson | Cumberland | Union |
| Company | Pioneer | Pioneer | Beck's | Pioneer |
| Brand/Variety | 41T33 | P35T58R | 424L4 | P35T58R |
| Oil (%) | 21.11 | 20.84 | 18.25 | 19.227 |
| Protein (%) | 32.1 | 32.32 | 35.82 | 35.76 |
| Yield (bu/A) | 82.33 | 87.71 | 70.99 | 85.02 |
| Division | Full-Season (I) | Full-Season (I) | Full-Season (I) | Full-Season (I) |
| Tillage | No-Till 0 | Minimal Tillage Turbo Till 1x Spring | Conventional Till Ripped | No-Till 0 |
| Soil Preparation | | | | |
| Planting Date | 4/17/2017 | 5/11/2017 | 5/20/2017 | 5/10/2017 |
| Row Width (in.) | 7.5 | 15 | 15 | 15 |
| Seeds/A | 160,000 | 165,000 | 160,000 | 165,000 |
| Irrigated | No | No | No | No |
| Harvest Date | 9/25/2017 | 10/6/2017 | 10/17/2017 | 9/22/2017 |
| Previous Crop | Corn | Corn | Corn | Corn |
| Total N (lbs/A) | 18 | 0 | 0 | 18 |
| Total P ₂ O ₅ (lbs/A) | 46 | 0 | 200 | 60 |
| Total K ₂ O (lbs/A) | 60 | 107 | 200 | 90 |
| Total Manure (lbs/A) | 0 | 0 | 0 | 0 |
| Total Other (lbs/A) | 0 | 0 | 200 lbs/A pellitized lime | Sulfur (15 lbs) |
| Seed Treatment | Pioneer Premium | Premium | Escalate | Yes |
| Seed Inoculant | None | PPST 120 | GraphEx | Graph-Ex |
| In-Furrow Treatment | None | None | None | None |
| Insecticide | None | Endigo ZC | Proaxis | Hero |
| Fungicide | None | Topguard EQ | Fortix | Topguard |
| Herbicide -Pre-Emergence | | Authority XL Parallel Sharpen | Roundup Valor Prowl | Matador (2.5 ps/A) Roundup (32 oz/A) 2,4-D (1 pt/A) |
| -Post-Emergence | Roundup Roundup (1.5 pt/A) Trivence (8 oz/A) | Torment Roundup PowerMAXX II Parallel | Liberty | Roundup (32 oz/A) Warrant (1 qt/A) |
| Other Inputs | 0 | 0 | 0 | 0 |

Cultural Practices of all 2017 Soybean Yield Contest Entries

| | <u>Number of Entries for each Production Practice</u> | | | |
|----------------------|--|--|-----------------------|-----------------------|
| | Division I-Irrigated | | | |
| | 100 Bushel Club | 90 Bushel Club | 80 Bushel Club | 70 Bushel Club |
| Number of Entries | 3 | 2 | 1 | 2 |
| Average Yield (bu/A) | 105.05 | 98.04 | 80.05 | 74.15 |
| Company | | | | 2 |
| Asgrow | | | | |
| Beck's | | | | |
| Caverndale Farms | | | | |
| Channel | | | | |
| Cropland | | | | |
| Dyna-Gro | | 1 | 1 | |
| LG | | | | |
| Pfister Seeds | | | | |
| Pioneer | 3 | 1 | | |
| Remington | | | | |
| Seed Consultants | | | | |
| Stine | | | | |
| Seed Treatment | 3 | 2 | 1 | 2 |
| Products | | | | |
| | Pioneer Premium | Equity VIP Pioneer Premium | Equity VIP | Equity VIP |
| Seed Inoculant | 3 | 1 | 1 | 0 |
| Products | | | | |
| | Pioneer Premium Seed Treatment PPST 120 + (rhizobia inoculant/extender) | Dyna-Start PBC Pioneer Premium Seed Treatment PPST 120 + (rhizobia inoculant/extender) | Dyna-Start PBC | |
| In-Furrow Treatment | 0 | 1 | 1 | 0 |
| Products | | Priaxor | Priaxor | |

Cultural Practices of all 2017 Soybean Yield Contest Entries

| | Number of Entries for each Production Practice | | | |
|--|--|-------------------------------------|------------------------|--------------------------------|
| | Division I-Irrigated | | | |
| | 100 Bushel Club | 90 Bushel Club | 80 Bushel Club | 70 Bushel Club |
| Foliar Insecticide Products | 3 Endigo ZC | 2 Endigo ZC Tombstone | 1 Tombstone | 2 Sniper |
| Foliar Fungicide Products | 3 Topguard EQ | 2 Priaxor Topguard EQ | 1 Priaxor | 2 Fortix Quadris |
| Herbicide Pre-Emergence Only Post-Emergence Only Pre+Post Emergence | 3 | 2 | 1 | 2 |

Cultural Practices of all 2017 Soybean Yield Contest Entries

| | <u>Number of Entries for each Production Practice</u> | | | |
|--------------------|---|--|-----------------------|-----------------------|
| | Division I-Irrigated | | | |
| | 100 Bushel Club | 90 Bushel Club | 80 Bushel Club | 70 Bushel Club |
| Tillage Methods | 0 3 Spring: Chisel | 1 1 Spring: Chisel | 1 | 2 |
| | Spring: John Deere 726 Mulch Finisher | Spring: John Deere 726 Mulch Finisher | | |
| Seeds/A | | | | |
| 100,000 to 125,000 | | | | |
| 126,000 to 150,000 | | | | 2 |
| 151,000 to 175,000 | 3 | 2 | 1 | |
| 176,000 to 200,000 | | | | |
| Planting Date | | | | |
| Before April 20 | 3 | 2 | | |
| Apr 20-30 | | | | |
| May 1-10 | | | | |
| May 11-20 | | | | |
| May 21-31 | | | 1 | 2 |
| June 1-10 | | | | |
| June 11-20 | | | | |
| June 21-30 | | | | |
| Harvest Date | | | | |
| Sept 1-14 | | | | |
| Sept 15-30 | 3 | 2 | 1 | |
| Oct 1-15 | | | | 2 |
| Oct 16-31 | | | | |
| Nov 1-15 | | | | |
| Nov 15+ | | | | |
| Row Width | | | | |
| 7.5 inch | | | | |
| 15 inch | 3 | 2 | 1 | 2 |
| 30 inch | | | | |
| Irrigated | | | | |
| Yes | 3 | 2 | 1 | 2 |
| No | | | | |
| Nitrogen applied | | | | |
| None | | | | 2 |
| 1 to 40 lbs/A | | | | |
| 41 to 80 lbs/A | | | | |
| 81-120 lbs/A | | | | |
| >120 lbs/A | | | | |

Cultural Practices of all 2017 Soybean Yield Contest Entries

| | <u>Number of Entries for each Production Practice</u> | | | |
|---------------------------------------|---|--|-------------------------------------|-----------------------|
| | Division I-Irrigated | | | |
| | 100 Bushel Club | 90 Bushel Club | 80 Bushel Club | 70 Bushel Club |
| P ₂ O ₅ applied | | | | |
| None | | | | |
| 1 to 40 lbs/A | | | | |
| 41 to 80 lbs/A | 3 | 1 | 1 | |
| 81-120 lbs/A | | 1 | | |
| >120 lbs/A | | | | 2 |
| Total K ₂ O (lbs/A) | | | | |
| None | | | | |
| 1 to 40 lbs/A | | | | |
| 41 to 80 lbs/A | | | | |
| 81-120 lbs/A | 3 | 2 | 1 | |
| >120 lbs/A | | | | 2 |
| Manure/Litter Applied | 0 | 0 | 0 | 0 |
| Yes | | | | |
| Product | | | | |
| Product | | | | |
| Product | | | | |
| Other Fertilizer Applied | 0 | | | 0 |
| Yes | | 1 | 1 | |
| Products | | Sulfur (22.5 lbs/A) Zinc (2.25 lbs/A) | Sulfur (20 lbs/A) Zinc (2 lbs/A) | |
| Previous Crop | | | | |
| Corn | 3 | 2 | | 2 |
| Soybean | | | | |
| Tobacco | | | | |
| Wheat | | | | |
| Canola | | | | |
| Barley | | | | |
| Other Inputs | 0 | 0 | 0 | 0 |
| Products | | | | |

Cultural Practices of all 2017 Soybean Yield Contest Entries

| | <u>Number of Entries for each Production Practice</u> | | | |
|----------------------|---|--|-----------------------|---------------------|
| | Division I-Non-Irrigated | | | |
| | 90 Bushel Club | 80 Bushel Club | 70 Bushel Club | Participants |
| Number of Entries | 6 | 19 | 10 | 1 |
| Average Yield (bu/A) | 91.83 | 84.19 | 74.66 | 66.73 |
| Company | | | | |
| Asgrow | 2 | 4 | 3 | 1 |
| Beck's | 2 | 1 | 3 | |
| Caverndale Farms | | 1 | | |
| Channel | 1 | | 1 | |
| Cropland | | | 1 | |
| Dyna-Gro | 1 | | | |
| LG | | | | |
| Pfister Seeds | | 1 | 1 | |
| Pioneer | | 10 | 1 | |
| Remington | 1 | 1 | | |
| Seed Consultants | | | | |
| Stine | | 1 | | |
| Seed Treatment | 6 | 14 | 6 | 1 |
| Products | | | | |
| Acceleron | | | Acceleron | Escalate |
| Escalate | | Cruiser Max | Cruiser Max | |
| Equity | | Eclipse TEN+ | Escalate | |
| Resonate | | EverGol | | |
| | | Gaucho | | |
| | | ILeVO | | |
| | | Pioneer Premium | Pioneer Premium | |
| | | | Resonate | |
| | | Vibrance | Vibrance | |
| | | | | |
| Seed Inoculant | 4 | 6 | 6 | 0 |
| Products | | | | |
| Dyna-Start Max | | | | TerraMax Dry |
| Graph-EX | | | Graph-EX | |
| | | | N-dure | |
| | | | Optimize | |
| | | Pioneer Premium Seed Treatment PPST 120 + (rhizobia inoculant/extender) | | |
| | | TerraMax Vigor | TerraMax | |
| In-Furrow Treatment | 2 | 0 | 2 | 0 |
| Products | Iron | | Iron Riser | |

Cultural Practices of all 2017 Soybean Yield Contest Entries

| | <u>Number of Entries for each Production Practice</u> | | | |
|---------------------------------|---|---|--|---|
| | Division I-Non-Irrigated | | | |
| | 90 Bushel Club | 80 Bushel Club | 70 Bushel Club | Participants |
| Foliar Insecticide Products | 6 Baythoid Hero Mustang Tombstone Tombstone Helios | 9 Bifen Endigo ZC Hero Lambda Lamcap II Proaxis Tombstone Warrior Warrior II | 5 Baythoid XL Lambda Mustang Max Tombstone Warrior II | 1 Leverage |
| Foliar Fungicide Products | 6 Priaxor Proprastar Quadris Top SBX Stratego YLD | 13 Fortix Priaxor Propicure Quadris Top SBX Tilt Topguard Topguard EQ Trivapro | 5 Fortix Quadris Top SBX | 1 Stratego YLD |
| Herbicide Pre-Emergence Only | | | 1 | |
| Post-Emergence Only | 1 | | | |
| Pre+Post Emergence | 5 | 19 | 9 | 1 |

Cultural Practices of all 2017 Soybean Yield Contest Entries

| | <u>Number of Entries for each Production Practice</u> | | | |
|--------------------|---|-----------------------|---|---------------------|
| | Division I-Non-Irrigated | | | |
| | 90 Bushel Club | 80 Bushel Club | 70 Bushel Club | Participants |
| Tillage | | | | |
| No-Till | 3 | 16 | 5 | 1 |
| Tillage | 3 | 2 | 4 | |
| Methods | Fall: Reel Disc Fall: Disc Reel Disk Cultivator Spring: Filed Cultivator Turbochopper | TurboTill | Fall Disc Spring Disc Ripped Spring Cultivator Fall/Spring Vertical Tillage | |
| Seeds/A | | | | |
| 100,000 to 125,000 | | | | |
| 126,000 to 150,000 | 5 | 3 | 5 | 1 |
| 151,000 to 175,000 | 1 | 16 | 5 | |
| 176,000 to 200,000 | | | | |
| Planting Date | | | | |
| Before April 20 | 1 | 6 | | |
| Apr 20-30 | 1 | | | |
| May 1-10 | 1 | 5 | 5 | |
| May 11-20 | 3 | 6 | 4 | |
| May 21-31 | | | | 1 |
| June 1-10 | | 1 | 1 | |
| June 11-20 | | | | |
| June 21-30 | | | | |
| Harvest Date | | | | |
| Sept 1-14 | | | | |
| Sept 15-30 | 3 | 9 | 1 | |
| Oct 1-15 | | 7 | 1 | |
| Oct 16-31 | 2 | 3 | 4 | 1 |
| Nov 1-15 | 1 | | 2 | |
| Nov 15+ | | | | |
| Row Width | | | | |
| 7.5 inch | | 7 | | |
| 15 inch | 6 | 11 | 9 | 1 |
| 30 inch | | 1 | 1 | |
| Irrigated | | | | |
| Yes | | | | |
| No | 6 | 19 | 10 | 1 |
| Nitrogen applied | | | | |
| None | 5 | 7 | 4 | |
| 1 to 40 lbs/A | 1 | 8 | | 1 |
| 41 to 80 lbs/A | | 2 | 1 | |
| 81-120 lbs/A | | | | |
| >120 lbs/A | | | | |

Cultural Practices of all 2017 Soybean Yield Contest Entries

| | Number of Entries for each Production Practice | | | |
|---------------------------------------|--|----------------|--------------------|--------------|
| | Division I-Non-Irrigated | | | |
| | 90 Bushel Club | 80 Bushel Club | 70 Bushel Club | Participants |
| P ₂ O ₅ applied | | | | |
| None | 4 | 6 | 4 | |
| 1 to 40 lbs/A | | 2 | | |
| 41 to 80 lbs/A | 1 | 8 | | 1 |
| 81-120 lbs/A | | 2 | | |
| >120 lbs/A | 1 | 1 | 2 | |
| Total K ₂ O (lbs/A) | | | | |
| None | 4 | 3 | 2 | |
| 1 to 40 lbs/A | | | | |
| 41 to 80 lbs/A | | 9 | 2 | |
| 81-120 lbs/A | | 4 | | 1 |
| >120 lbs/A | 2 | 3 | 3 | |
| Manure/Litter Applied | | | | |
| Yes | 1 | 0 | 2 | |
| Product | 2 T Chicken Litter | | 2 T Chicken Litter | |
| Product | | | | |
| Product | | | | |
| Other Fertilizer Applied | | | | |
| Yes | 1 | 0 | | |
| Products | 3-18-18 (3 gal/A) | | | |
| Previous Crop | | | | |
| Corn | 5 | 14 | 9 | 1 |
| Soybean | | 2 | | |
| Corn/Cereal Rye Cover | | 1 | | |
| Wheat | | | | |
| Corn/Wheat Hay | | | 1 | |
| Hay | | 1 | | |
| Other Inputs | | | | |
| Products | 0 | 0 | | |

Cultural Practices of all 2017 Soybean Yield Contest Entries

| | <u>Number of Entries for each Production Practice</u> | | | |
|----------------------|---|-----------------------|-----------------------|---------------------|
| | Division II-Non-Irrigated | | | |
| | 90 Bushel Club | 80 Bushel Club | 70 Bushel Club | Participants |
| Number of Entries | 1 | 1 | 2 | 7 |
| Average Yield (bu/A) | 91.84 | 80 | 73.77 | 65.58 |
| Company | | | | |
| Asgrow | | 1 | 1 | 3 |
| Beck's | | | | |
| Caverndale Farms | | | | |
| Channel | | | | |
| Cropland | | | | |
| Dyna-Gro | | | | |
| LG | 1 | | | |
| Pfister Seeds | | | | |
| Pioneer | | | | 2 |
| Remington | | | | |
| Seed Consultants | | | 1 | 2 |
| Stine | | | | |
| Seed Treatment | 1 | 1 | | 4 |
| Products | | | | |
| | | | | Equity VIP |
| | | | | Pioneer Premium |
| Seed Inoculant | | | 1 | 3 |
| Products | | | | |
| In-Furrow Treatment | 1 | 0 | 0 | 0 |
| Products | Navigate LiberateCa | | | |

Cultural Practices of all 2017 Soybean Yield Contest Entries

| | Number of Entries for each Production Practice | | | |
|---------------------------------|--|--------------------------|------------------|---------------------------------|
| | Division II-Non-Irrigated | | | |
| | 90 Bushel Club | 80 Bushel Club | 70 Bushel Club | Participants |
| Foliar Insecticide Products | 1 Hero | 1 Matchup | 0 | 4 Declare Sniper |
| Foliar Fungicide Products | 1 Priaxor | 1 Quadris Top SBX | 1 Priaxor | 4 Fitness Quadris |
| Herbicide Pre-Emergence Only | 1 | | | 2 |
| Post-Emergence Only | | 1 | 1 | 3 |
| Pre+Post Emergence | | | 1 | 2 |

Cultural Practices of all 2017 Soybean Yield Contest Entries

| | <u>Number of Entries for each Production Practice</u> | | | |
|--------------------|---|-----------------------|-----------------------|---------------------|
| | Division II-Non-Irrigated | | | |
| | 90 Bushel Club | 80 Bushel Club | 70 Bushel Club | Participants |
| Tillage | | | | |
| No-Till | | 1 | 1 | 7 |
| Tillage | | | | |
| Methods | 1 Fall Disc 3x | | | |
| Seeds/A | | | | |
| 100,000 to 125,000 | | | | |
| 126,000 to 150,000 | | | 1 | 1 |
| 151,000 to 175,000 | 1 | | 1 | 5 |
| 176,000 to 200,000 | | 1 | | 1 |
| Planting Date | | | | |
| Before April 20 | | | | |
| Apr 20-30 | | | | |
| May 1-10 | | | | |
| May 11-20 | | | | |
| May 21-31 | | | | |
| June 1-10 | | | | 2 |
| June 11-20 | 1 | 1 | 2 | 4 |
| June 21-30 | | | | 1 |
| Harvest Date | | | | |
| Sept 1-14 | | | | |
| Sept 15-30 | | | | |
| Oct 1-15 | | | | |
| Oct 16-31 | | | 1 | 3 |
| Nov 1-15 | | 1 | 1 | 2 |
| Nov 15+ | 1 | | | 2 |
| Row Width | | | | |
| 7.5 inch | | | | 1 |
| 15 inch | 1 | 1 | 2 | 6 |
| 30 inch | | | | |
| Irrigated | | | | |
| Yes | | | | |
| No | | 1 | 2 | 7 |
| Nitrogen applied | 0 | 0 | | 0 |
| None | | | 1 | |
| 1 to 40 lbs/A | | | 1 | |
| 41 to 80 lbs/A | | | | |
| 81-120 lbs/A | | | | |
| >120 lbs/A | | | | |

Cultural Practices of all 2017 Soybean Yield Contest Entries

| | Number of Entries for each Production Practice | | | |
|--|--|----------------|----------------|--------------|
| | Division II-Non-Irrigated | | | |
| | 90 Bushel Club | 80 Bushel Club | 70 Bushel Club | Participants |
| P₂O₅ applied None 1 to 40 lbs/A 41 to 80 lbs/A 81-120 lbs/A >120 lbs/A | 0 | 0 | 0 | 0 |
| Total K₂O (lbs/A) None 1 to 40 lbs/A 41 to 80 lbs/A 81-120 lbs/A >120 lbs/A | 0 | 0 | 0 | 0 |
| Manure/Litter Applied Yes Product Product Product | | | | |
| Other Fertilizer Applied Yes Products | | | | |
| Previous Crop Corn Soybean Tobacco Wheat Canola Barley | 1 | 1 | 2 | 7 |
| Other Inputs Products | Borpac | | | |

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As of December 13, 2017

We greatly appreciate all corporations and businesses that support the Soybean Production Contest. Support is used to provide recognition and awards to contest winners and participants.